

1967

1967-1968 Bulletin

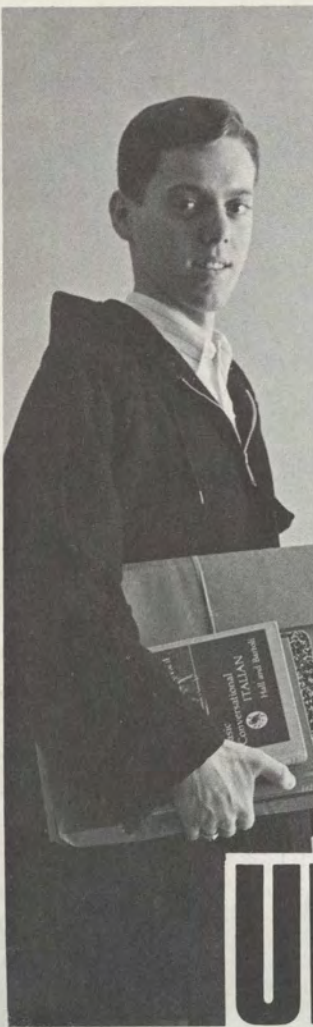
Bowling Green State University - Main Campus

Follow this and additional works at: <http://scholarworks.bgsu.edu/catalogs>

Recommended Citation

Bowling Green State University - Main Campus, "1967-1968 Bulletin" (1967). *Course Catalogs*. Book 29.
<http://scholarworks.bgsu.edu/catalogs/29>

This Catalog is brought to you for free and open access by the Office of the Registrar at ScholarWorks@BGSU. It has been accepted for inclusion in Course Catalogs by an authorized administrator of ScholarWorks@BGSU.



**1967-1968
BULLETIN
BOWLING
GREEN
STATE
UNIVERSITY**

DO NOT REMOVE

OFFICIAL COPY

OFFICE OF THE REGISTRAR

**1967-1968
BULLETIN
BOWLING
GREEN
STATE
UNIVERSITY**





**1967-1968 BULLETIN
BOWLING GREEN
STATE UNIVERSITY
BOWLING GREEN, OHIO**

BOWLING GREEN STATE UNIVERSITY

THE ACADEMIC OBJECTIVES

It is the aim of the University to provide students a climate which will motivate intellectual and moral growth; promote habits of mental and physical health, encourage appreciation of the good and beautiful, and develop powers of judgment and wisdom in handling knowledge and skills. This aim can best be furthered by conscientious search for truth, with respect for the beliefs of all persons, but without prejudice toward any specific doctrine or creed. The extent to which these aims are fulfilled depends largely upon the character of the faculty and the philosophical milieu of the institution. For this reason the University seeks to select and provide highly qualified faculty members who can help achieve these goals.

In addition, the University insists upon the achievement by every student of a reasonable mastery of the skills of reading, writing, speaking, and thinking—including problem-solving, and critical and creative thought.

Further, the University seeks to guide each student to a meaningful experience in American culture as well as in major areas of basic knowledge such as science and mathematics, social and economic studies, and the humanities and the arts.

And, finally, it is the aim of the University to provide for all students significant programs of depth study which are conducive to an understanding of the contemporary world.

BULLETIN OF BOWLING GREEN STATE UNIVERSITY

VOL. LIII

APRIL, 1967

No. 8

Published by Bowling Green State University, Bowling Green, Ohio, nine times a year—once in Jan., Feb., Mar., June, and Sept., twice in Apr. and Aug. Entered at the Post Office at Bowling Green, Ohio, as second class matter under the Act of Congress of August 24, 1912.

THE UNIVERSITY

Bowling Green University is state assisted. Private support is administered through the University Development Council in conjunction with the Bowling Green University Foundation, Inc. The main campus is located in Bowling Green, Ohio, 23 miles south of Toledo and 15 miles south of the Ohio Turnpike. The University also provides the first two years of college in academic centers in Bryan, Fostoria, Fremont and Sandusky.

THE HISTORY

The history of the University began on January 24, 1910, when John Hamilton Lowry, Representative from Henry County, introduced a bill in the Ohio General Assembly "to provide for the appointment of a commission to establish two normal schools and to provide for the maintenance thereof."

The bill was passed on May 10, 1910, and approved by Governor Judson Harmon nine days later. On November 22 of that year, the city of Bowling Green was officially notified that it had been chosen as the site for the normal school to be located in northwest Ohio.

Classwork began in September 1914, but it was not until the following year that the first two buildings—now University Hall and Williams Hall—were ready for use. In the meantime, classes met in the Armory in Bowling Green and the old Central High School in Toledo.

The General Assembly of Ohio in 1929 enacted legislation which brought about a significant expansion in the functions of the institution at Bowling Green, from that of a normal school to a college and then a university, with facilities for a four-year liberal arts education, professional and pre-professional education, and graduate study.

ACCREDITATION AND RECOGNITION

Accreditation is accorded the University by the appropriate regional and national agencies. Each college and many departments are accredited in their respective fields.

The University is recognized by the Ohio State Department of Education for certification in all fields of teaching, school supervision, and administration for which the University conducts programs.

BUILDINGS AND FACILITIES

THE CAMPUS

Bowling Green University is situated on a 1,100-acre campus with 75 academic buildings and residence halls, and recreational facilities to provide for the intellectual, professional, and cultural growth of the students.

CAMPUS EXPANSION

The University has completed an extended study resulting in the adoption of a flexible land-use plan. In this plan, the relationship of the physical plant to the academic needs of a growing student population has been examined and priorities established for orderly growth. The following buildings have been conceived and planned as part of the University's long-range, land-use plan:

the Counseling Center and Health Service. Other services include counseling by head residents and student counselors in residence halls, and counseling on health problems by University physicians.

Diagnostic and short-term psychiatric aid is available through referral by the Health Service.

UNIVERSITY SERVICES

The University coordinates the education of students, wherever possible, with the continual search for solutions to many social problems. It does this through research and training programs, short courses, institutes, workshops, field trips and extension classes. The University also offers students opportunities for travel and study abroad for credit.

As part of their education, students are involved in many services to the public such as those offered by the Reading Center, the Speech and Hearing Therapy Clinic, and the University Theatre.

Placement Office is a coordinated function to assist graduates and alumni in obtaining employment appropriate to their particular ability, interests and ambitions. The office also serves students desiring to attend graduate school. A library of catalogs is maintained and interviews are arranged on campus with graduate school representatives.

ACADEMIC CENTERS

The University has Academic Centers at Bryan, Fostoria, Fremont, and Sandusky, where the first two years of study in the Colleges of Liberal Arts, Education, and Business Administration are offered.

The student living in or near these communities may begin his college work and then transfer to the main campus of the University, or to some other accredited college or university, for the remaining course work required for a degree.

A student planning to enter any of the professions such as law, medicine, engineering, teaching, business, may obtain the first year or two of pre-professional college study at one of the Academic Centers before transferring to a university of his choice, without loss of time or credits. A student is advised, however, to plan his first two years of work with the guidance of the officials of the university to which he expects to transfer his credits.

Instruction in the Academic Centers also is available to the student who does not plan to earn a college degree but desires more education than that provided by high school, and to the student who is beyond the traditional college age but wishes to enroll in individual courses to improve himself professionally or to advance his education for cultural development and personal satisfaction. (See page 17 for fees.)

ADMISSION REQUIREMENTS

The University wishes to admit every qualified student who applies, and is limited only by the availability of academic and residence hall facilities. To serve the largest possible number of qualified students, residence halls are filled to capacity. In temporary emergencies, or during an academic year while major new housing units are under construction, the University may assign three or four students to a typical room.

For admission to Bowling Green University, an applicant must be a graduate of a senior high school approved or accredited by the Department of Education of the state in which it is located.

OHIO RESIDENT

Applications for admission will be accepted and processed for either semester of the academic year until the capacity of the Freshman Class is reached both on campus and in the several Academic Centers of the University. The high school student is encouraged to apply for admission early in his senior year.

An Ohio applicant presenting an academic record (high class rank, cumulative point average, and standardized test results) predicting college success will be considered on the basis of his high school record for six semesters. If accepted for the fall or spring semester, the student will be tentatively admitted to the University pending graduation from high school. If the admission credential is complete, notifications will be mailed to the student before December 15. For others it may be necessary to submit a seventh semester transcript. These students may be considered for the fall or spring semester, if instruction and facilities are available.

Formal admission is possible when evidence of a completed high school program is received by the office of Admissions.

An Ohio applicant who is not admitted under the foregoing will be considered for admission to Summer School. The student who completes 10 or more hours successfully (see *Former Students*, page 10) may continue his studies beginning with the second semester of the academic year, if instruction and facilities are available. The Summer Catalog, describing in detail the summer program for new students, is available in March.

NONRESIDENT

A superior student who does not reside in Ohio may apply for admission by submitting his completed application form, high school academic record for at least six semesters, and the results of his performance in the American College Test.

Admission is based on high scholastic achievement, course of study pursued, standardized test results, and recommendations from high school officials.

RECOMMENDED HIGH SCHOOL SUBJECTS

Since the prospective student frequently asks for a recommended list of subjects, the following is offered as a reasonable minimum distribution of high school credits in preparation for enrolling in one of the undergraduate colleges:

English—4 units

Mathematics—2 units

Algebra—1 unit

Plane Geometry—1 unit

Social Sciences—2 units

(One unit should be United States History and Civics.)

Sciences—2 units

(One unit of a laboratory science should be included.)

Electives—6 units

(At least two units of one foreign language should be included in the electives by the student who plans to enter the College of Liberal Arts.)

ADMISSION PROCEDURE

The form to be used when applying for admission to the University may be obtained by writing to the Director of Admissions.

The *Application for Admission* consists of two parts. One of these is for personal information and the other is an *Application for Residence Hall Accommodations*.

The complete *Application for Admission* form is to be mailed to the Director of Admissions by the applicant. A \$25 Administrative Service Charge must accompany the application of a student who has not previously been enrolled in the University. Upon receipt of the application a high school transcript form will be mailed to the applicant.

The *High School Transcript* is for the applicant's high school record. This form is to be completed by the principal or the guidance director of the high school in which the applicant is a senior or from which he has been graduated. After filling in the applicant's record the principal or guidance director will mail the form to the Director of Admissions.

In May each applicant will receive a *Health Examination* form, requesting an immunization and chest X-ray record. This form must be completed and returned to the University Health Service by the applicant's family physician. Should a question arise concerning the health of the applicant, the Director of the University Health Service, upon further investigation, shall determine whether the applicant may be admitted to the University.

Each applicant is required to submit American College Test (ACT) results. The high school counselor should be consulted for details concerning this testing program.

As soon as the student has been graduated from high school, he should ask his principal or guidance director to send the Director of Admissions a statement confirming his graduation and a supplementary report listing subjects, senior grades, and final class rank. The Director of Admissions will provide a form for this purpose. Final admission is given after this supplementary information has been received by the University.

TRANSFER STUDENTS

A student who has attended another accredited college or university will be considered for admission to Bowling Green University if his scholastic average is equivalent to a 2.5 in a 4 point system. If the transfer applicant's cumulative average is between 2.0 and 2.5, he may be considered for admission only upon petition to the academic dean and only if adequate instructional facilities are available.

The transfer student who wishes to enroll at the University as an undergraduate uses the regular *Application for Admission* form. The *Application for Admission* should be accompanied by a \$25 Administrative Service Charge. The University requires a record of the applicant's high school studies from the principal or guidance director of the high school from which he has been graduated.

An official transcript of credit is required from each college and university the student has attended. This transcript must be mailed to the Director of Admissions by the institution the student has attended. It will not be accepted from the student himself.

FORMER STUDENTS

A student who has not been in continuous attendance during the regular academic semesters (excluding Summer School) must complete the *Application for*

Readmission form. A copy of this form may be obtained by writing to the Registrar. The admission of a former student will be determined by his past academic and personal records at the University and by the availability of facilities. A former student who has transferred to another college or university since his last enrollment at Bowling Green University will be considered for readmission as a transfer student and, as such, must submit a complete transcript of his scholastic record and evidence of his good standing, both personal and academic, at the institution from which he is transferring.

SPECIAL STUDENTS

A student aged 21 or over who has not attended another college or university and cannot meet the specified entrance requirements, including the high school graduation requirement, may be admitted as a special student for one year, upon presenting evidence that he is capable of doing satisfactory work in the University. In order to continue as a student in the University, he must either (a) secure credit for 15 acceptable units of high school work, or (b) remove by examination his deficiencies in entrance units, or (c) earn such additional college credits beyond the number required for a degree as may be determined by the dean of his college.

TRANSIENT STUDENTS

A student of another college or university who wishes to earn credits to transfer to that institution may be admitted as a transient student. He must present an official statement from the institution he has been attending in which it is certified that he is in good standing and that the credits he earns at Bowling Green University will be accepted as part of his program there. Such a student is not required to file a transcript of his previous college credits, but he is limited to one course per semester during the academic year.

ADVANCED PLACEMENT

A student entering the University with a particularly thorough background from high school may apply for advanced placement in one or more subjects in which his preparation is superior.

Advanced placement may be achieved in three ways: (1) by superior achievement on placement tests; (2) by passing a proficiency examination administered by an academic department of the University; and/or (3) by completing a college-level course in high school and earning a prescribed grade on an Advanced Placement Program examination administered by the College Entrance Examination Board.

Application for advanced placement should be made with the dean of the college prior to or during the first registration for classes.

EARLY ADMISSION

A superior student or one with exceptional talent may, upon recommendation of his high school and with evidence of outstanding scholastic achievement, be granted permission to take courses in the University. College credit will be granted for satisfactory completion of such courses regardless of whether or not they are used toward completion of his high school requirements.

A student seeking early admission to the University should submit a letter of application to the chairman of the Committee on Early Admission explaining specifically his aims and how the University course work is to be coordinated with his high school work. In addition, there should be submitted a transcript of high school work to date and a letter from the high school principal or school superintendent recommending the student and approving his specific plan of action.

UNIVERSITY HONORS PROGRAM

The University offers to some five per cent of entering freshmen the opportunity to participate in a University Honors Program providing an educational experience of considerable breadth and depth. The student is admitted to the program by invitation. Inquiries should be addressed to the Director of the Honors Program.

CREDIT BY EXAMINATION

A student may, upon formal approval of a petition to the dean of his college, be granted permission to earn credit by examination. Approval will be given when it is clearly evident that previous study or experience warrants such privilege. A student may not ordinarily take an examination for credit in any course which (1) has significant similarity of content with, or (2) has a lower level of required knowledge or proficiency than, or (3) is a prerequisite for other courses which he has completed. A detailed statement of policy governing credit by examination is available in the offices of the deans of the colleges.

CREDIT FOR COURSES BY TELEVISION

Certain courses televised from outside the University are of sufficiently high academic caliber to warrant college credit under appropriate conditions. Individuals desiring information concerning college credit for such courses should direct inquiries to the Director of Off-Campus Programs.

ADVANCED STANDING

The University will give advanced standing for credits from other accredited institutions, insofar as such credits may apply to curricula offered by Bowling Green University. If the student has not received a grade of C or higher in all courses taken at the institution previously attended, final evaluation and acceptance of credits will be deferred until after he has been in residence for at least one year. Credits from nonaccredited colleges and universities will not ordinarily be evaluated until the student has been in residence for at least one year.

GRADUATE STUDY

In general, a student holding the bachelor's degree from Bowling Green, or from any other college or university on the approved list of a regional accrediting agency, may be admitted to graduate study. However, the possession of an undergraduate degree is not the only determinant. The student must have a purpose which the Graduate School may promote; and he must present evidence not merely of interest, but also of a broad and thorough undergraduate preparation in which he has achieved a better than average scholastic record. A student who plans to enter the Graduate School will find a complete statement of admission requirements and listing of graduate courses in the Graduate School Catalog.

INTERNATIONAL STUDENTS

Students from 50 foreign countries are enrolled at the University. Well-qualified international students are welcome at the University, where their participation is recognized as an enrichment of educational opportunities for all students. Persons interested in admission procedures for international students should write the Director of International Programs, Bowling Green University.

CORRESPONDENCE REGARDING ADMISSION

Correspondence pertaining to the admission of undergraduate students to Bowling Green University should be addressed to the Director of Admissions. A student who is interested in graduate study should address his correspondence to the Dean of the Graduate School.

APPROVAL FOR ADMISSION

Approval of application by the Director of Admissions constitutes authorization for official admission to the University. Such approval is issued to an applicant only upon fulfillment of the requirements set forth in the foregoing paragraphs, clearance by the University Health Service, and acceptance by the applicant of the conditions of admission and enrollment as set forth in this Catalog.

CLASSIFICATION OF STUDENTS

Classification of a student as a freshman, sophomore, junior or senior is determined on the basis of credit hours earned.

A student is classified as a freshman until he has earned 25 per cent of the total credit hours required in his baccalaureate degree program.

A student is classified as a sophomore when he has earned 25 per cent but less than 50 per cent of the total credit hours required in his degree program.

A student is classified as a junior when he has earned 50 per cent but less than 75 per cent of the total credit hours required in his degree program.

A student is classified as a senior when he has earned at least 75 per cent of the total credit hours required in his degree program but has not yet qualified for graduation.

A student who is enrolled for undergraduate course work but who does not have a degree goal is an unclassified undergraduate student. A student who has earned a degree and desires to register for undergraduate courses without pursuing another degree enrolls as an unclassified undergraduate student.

A student is classified as follows in baccalaureate degree programs requiring a total of 124 semester hours: Freshman, 20-30 hours; Sophomore, 31-61 hours; Junior, 62-92 hours; Senior, 93 hours to graduation.

REGISTRATION FOR CLASSES

Although most freshmen enter in September, the University provides the opportunity for a number to enter each year in February and in June.

SUMMER PREREGISTRATION

Each freshman and transfer student is invited to the campus, with his parents, during the summer preceding the fall term in which he enters the University. During the two days he is on the campus, the student takes placement, speech and hearing, and academic aptitude tests, and attends various meetings with the dean of his college or his faculty adviser. Each student also completes his fall schedule of classes, with the aid of the dean. He may purchase his textbooks at this time.

A schedule of events is also planned for the parents, who attend meetings with the academic and personnel deans, meet with faculty members, and are afforded a tour of the campus.

ORIENTATION

The orientation program includes a convocation for all new students, meetings to assist in the cultural and academic adjustment to the University, and various social events. During the orientation period, the student completes his registration for classes, learns the procedures for using the Library, and is informed about campus organizations and student activities. Much of the program is carried on in small groups, with faculty, administrative staff members, and upperclass students serving as discussion leaders.

Orientation begins on Sunday and continues through Tuesday, preceding the start of fall classes. Orientation activities constitute a regular part of the semester and attendance is required of all new students.

TIME OF REGISTRATION

Since late entrance is a handicap to academic achievement, every student is expected to register for classes during the time announced for registration. (See Calendar inside back cover.)

No student entering after the close of the first week of a semester is permitted to carry a full program of courses without the permission of the dean of the college in which he is enrolled.

CHANGES IN REGISTRATION

After the registration period is completed, all changes must be approved by the dean of the college in which the student is enrolled. No undergraduate may enroll in a course after seven calendar days from the beginning of classes in any semester.

An undergraduate who drops a course later than 21 calendar days following the first day of classes in any semester will receive a grade of WF except that a freshman in his first semester may have the period extended to 42 calendar days.

ACADEMIC ADVISING

Counseling and testing services, conducted by the University Counseling Center, are available without cost to the student. The student is assisted by his college dean and faculty adviser in planning his schedule of classes. All faculty members and administrative officers, as well as the Student Personnel staff, welcome the opportunity of talking with the student who has a problem or needs assistance.

A student entering the University is required to present results of the American College Test (ACT) and may be required to take additional tests on the campus. The results of these tests are used in advising him concerning his course of study, vocational goals, and scholastic progress.

COURSES REQUIRED OF ALL STUDENTS

Every freshman is required to take English composition and to give evidence of proficiency in written expression. No student can be excused from meeting this requirement, nor can the requirement be postponed.

Every student who is a candidate for an undergraduate degree, except as noted below, must take Health and Physical Education 101-102 and 201-202 in the four semesters of the freshman and sophomore years.

A student who is enrolled in the Air Force or Army ROTC, or one who is allowed credit for educational experiences in the Armed Forces, is required to take only two semesters of health and physical education. These semesters must be in the freshman year.

A student who is physically handicapped may be excused from the required courses in health and physical education by a certificate from the University physician, approved by the dean of the college in which he is enrolled.

CHANGE OF COLLEGE

A student who wishes to change his enrollment from one college to another within the University must first obtain permission from the dean of the college in which he is enrolled. He then obtains approval from the dean of the college in which he wishes to enroll.

ACADEMIC LOAD

The academic load of a regular undergraduate student shall not be less than 12 hours at any time, nor more than 18 hours, unless authorized by the dean of the college in which the student is enrolled.

UNIT OF CREDIT

The unit of credit is the semester hour, which is ordinarily earned by one recitation or lecture a week for a semester, although there are exceptions to this rule. Two or three hours of laboratory work a week, depending upon the amount of outside preparation required, carry the same credit as one hour of recitation or lecture, although there are exceptions to this rule as well.

TIME OF TAKING COURSES

A student should register for courses as nearly as possible in the order and at the time listed in the *Curricula* and the *Sequence of Courses* outlined in this Catalog. Courses not included in those listings should be taken at the time specified in the *Description of Courses*.

COURSES IN THIRD AND FOURTH YEARS

At least 40 hours of work taken in the third and fourth years must be courses numbered 300 or above, except by special permission of the dean of the college in which the student is enrolled. If a senior takes a course numbered from 100 to 199 (except in the case of foreign language), he must take an additional hour as a graduation requirement.

REPEATING A COURSE

A student may repeat a course in which he has received an F (failing grade) or a low grade, with the approval of the dean of the college in which he is enrolled. For all courses that are repeated, the grades and credit hours for both the first and subsequent registrations will be counted in computing the student's point average.

WITHDRAWAL OF COURSE FROM SCHEDULE

The University will make every reasonable effort to offer courses as announced, but it reserves the right to withdraw a course from the schedule if it regards the enrollment to be insufficient.

TRANSCRIPTS OF CREDIT

An official transcript of a student's record is issued only for transferring credits to other colleges and universities, and for the information of certifying agencies and employers. Official transcripts are not issued directly to students; they are sent to other institutions or agencies at the student's request. A student may, however, obtain an unofficial photostatic copy of the transcript of his record if he so desires. No charge is made for the first transcript. A charge of \$1 is made for each additional transcript. Transcripts will not be released for students who are delinquent on any financial obligation to the University.

GRADES AND HONORS

GRADING SYSTEM

The following system of marks is used in reporting and recording a student's proficiency in his courses: A—Excellent; B—Good; C—Acceptable; D—Poor, but passing; F—Failure.

In a few courses, such as the required courses in health and physical education, and in student teaching, the only marks given are S—Satisfactory and F—Failure.

In Honors Seminars the marks used are S and U, the S indicating course credit and the U no credit.

A junior or senior may elect one course each semester for which he is willing to be graded *Satisfactory* or *Unsatisfactory*. The only exceptions are for those courses in the student's major or minor field, and those which meet group requirements. The student electing this option must declare his intention when he registers and he cannot change his mind later.

A grade of *Satisfactory* will be interpreted as falling within the range of A to C, and will carry full credit. A grade of *Unsatisfactory* will be interpreted as D to F, and will carry no credit. Neither grade will be considered in the cumulative point average.

When a student withdraws from a course with the permission of the dean of the college, the course is marked W—Withdrawn, WP—Withdrawn Passing, or WF—Withdrawn Failing. (See pages 14 and 32.)

INCOMPLETE MARKS

The mark of I—Incomplete is given when, for some acceptable reason, a student fails to take the final examination or to meet some other definite requirement in a course.

The mark of I may be removed, and a grade substituted, by making up the deficiencies to the satisfaction of the instructor. Unless an extension of time is granted by the academic dean, a mark of I for the first semester must be removed before May 1 of the same year. Second semester and summer session incomplete grades must be removed by December 1 of the same year.

POINTS AND POINT AVERAGES

To facilitate the averaging of grades, the following quality points are assigned to each mark:

- For each hour of A—4 points
- For each hour of B—3 points
- For each hour of C—2 points
- For each hour of D—1 point
- For each hour of F or WF—0 points
- For each hour of I—0 points until removed

A student's point average is obtained by dividing the total number of points earned by the total number of hours undertaken, excluding courses in which the marks S, U, W, or WP are recorded.

UNIVERSITY HONORS

A full-time undergraduate student who demonstrates a high level of excellence in his academic work will have his name placed on the University Honors List. The requirement for achieving the University Honors List is a point average of 3.5 or above in the preceding semester.

A student whose name has been on the University Honors List for two immediately preceding semesters may enroll for courses up to a total of 20 hours during the semester. The honors student is eligible to enroll for honors courses in instructional departments in which such courses are offered, provided that he has completed the necessary prerequisite courses. The honors student is eligible to enroll in such special courses and seminars as may be provided exclusively for students named on the University Honors List.

The records of all seniors with very high point averages are carefully studied by the University Committee on Honors and Awards, in order that appropriate recognition and honor may be accorded those students who have achieved outstanding academic success throughout four years of college.

Cum laude signifies a high level of academic achievement, 3.5 cumulative grade average or better—graduation with praise.

Magna cum laude signifies very high level of academic achievement, 3.7 cumulative grade average or better—graduation with great praise.

Summa cum laude indicates the highest level of academic achievement, 3.9 cumulative grade average or better—graduation with highest praise.

In the case of transfer credit each record is studied and evaluated individually. In general, the following principles serve as guides: (a) a student entering the University with up to 65 hours of transferred credit must meet the point average standard for honors in all hours completed, transferred and otherwise, considered jointly, with the added stipulation that the point average of all work taken at Bowling Green University be of honors quality; (b) a student who transfers more than 65 hours of credit is not usually considered for honors; (c) to be considered for honors, a candidate should have residence of at least one academic year or 30 hours in consecutive summers (attending either one or both of the sessions each summer) immediately preceding graduation, except that a student with written permission to participate in approved combination curricula in cooperation with a professional school or college of another institution may be reviewed for honors.

In reviewing records of candidates for honors, each case is judged on its merits to insure that awards reflect outstanding achievement.

FEES AND CHARGES

The cost of attending the University depends somewhat on the desires and spending habits of the student.

State appropriations currently provide approximately 45 per cent of the cost of instruction. The remainder is financed by student fees and other charges, and contributions. The General Assembly appropriates no funds for board and room or for various student services and activities provided by the University. Such services and activities are financed from student fees and charges.

FEES

Although Bowling Green University has no tuition fee, a student enrolled for 9 or more hours pays a Registration Fee of \$160 per semester and an Incidental Fee of \$100 per semester.

The Registration Fee, supplemented with state appropriations, finances instructional programs of the University.

The Incidental Fee finances the many student services and activities, and also supplements state-appropriated funds for providing educational equipment,

supplies, library books, and periodicals. A part of the fee is allocated for capital improvements for which funds from other sources are not available.

The Board of Trustees reserves the right to make any changes or adjustments in fees or charges when such changes are deemed necessary.

A previously enrolled student may be denied readmission after prepayment of fees for several reasons, one of which would be the failure to maintain a satisfactory academic standing. In such cases, a full refund will be made of all fees paid.

A student who enrolls for less than 9 hours of credit during any semester pays a single fee of \$32.50 per hour of credit.

A nonresident of Ohio who enrolls for less than 9 hours of credit pays a Nonresident Fee of \$35 per hour (not to exceed the Nonresident Fee for a full-time student), in addition to the \$32.50 per hour listed above.

NONRESIDENT FEE

A student considered by the University to be a nonresident of Ohio is required to pay a Nonresident Fee of \$275 per semester (\$550 per year) in addition to the Registration Fee and the Incidental Fee, which are described above.

The nonresident student enrolled prior to September, 1964, will pay the Nonresident Fee which was in effect at the time of his original registration as long as enrollment is not interrupted. Beginning with September, 1964, all other nonresident students will be subject to any increase in the Nonresident Fee.

The responsibility of indicating proper residence at the time of registration is placed upon the student. If there should be any question on the part of the student regarding residence, he should bring the case to the attention of the University Treasurer, who may refer the matter to an appropriate committee for review. Any student who registers improperly with respect to legal residence under the rules shall be required to pay the Nonresident Fee, and may also be assessed a penalty of \$10. A student who does not pay this fee and/or penalty within 30 days after having been notified of its assessment will automatically cancel and nullify his registration in the University.

The University reserves the right of its officials to make a final decision in any case of disputed residence of a student, as a condition of the student's admission. In determining the student's proper residence, University officials will consider the following principles as a guide:

1. A student will be considered an Ohio resident, entitled to admission without the Nonresident Fee, provided both of the following conditions are met:
 - a. The student is a graduate of a secondary school located in the state of Ohio; or there is documentary proof that his parents or guardian were legal residents of Ohio and chose to send him outside the state to complete his secondary schooling.
 - b. Also, his parents have been legal residents of the state of Ohio for a period of at least 12 months immediately prior to the beginning of his first term in the University.
2. A student classified as a nonresident during his first year in the University is considered a nonresident student, for fee purposes, throughout his years as a student in the University, unless he qualifies under paragraphs a, b and/or c which follow.

A nonresident student may become a resident, entitled to enrollment without the Nonresident Fee, only under the following conditions:

- a. His parents or legal guardian have moved their permanent legal residence to Ohio and have been continuously in such Ohio residence for at least 12 months prior to the beginning of a semester or summer term, before the Nonresident fee is discontinued.

- b. or, if the student is 22 years of age or older, he has been continuously in full-time employment in Ohio for at least 12 months immediately before enrollment or re-enrollment, has not been enrolled as a full-time student at a college or university (anywhere for college work) during such 12 months' period, and evidences intent to remain in the state of Ohio.
- c. A female student who marries an Ohio resident will be considered an Ohio resident if she is married prior to the commencement of the semester in question; a female student who marries a nonresident of Ohio shall be considered a nonresident if she is married prior to the commencement of the semester in question. A female student who has enrolled as an Ohio resident may continue to be considered an Ohio resident upon marrying a nonresident, provided that her enrollment is continuous and she continues to live in the State of Ohio.
3. An Ohio student whose parents or guardian move out of Ohio after his original enrollment as a bona fide resident of the state will be assessed for the Nonresident Fee 12 months following their departure.
4. The residence of a minor student assigned to a guardian shall be considered affected by such assignment, beginning 12 months after the appointment of the guardian; the provisions stated above with respect to parents' residence shall then apply to guardian's residence.
5. An alien who has taken out his citizenship papers and has been a resident of Ohio for 12 months immediately preceding the date of his enrollment in the University shall be regarded as eligible for registration as a resident of Ohio.

SUMMER SCHOOL FEES

The Registration Fee per regular session in Summer School is \$80. The Incidental Fee per regular session is \$50. For a former or continuing student, the Administrative Service Charge is \$5 per summer session. This charge will be refunded only if the applicant is denied admission or readmission to the University.

A student whose home is not in Ohio pays a Nonresident Fee of \$137.50 per session, which is in addition to the Registration and Incidental Fees.

A student who registers for 4 or more hours in a regular summer session pays the full Registration Fee and the full amount of other fees. A student who registers for 3 hours of credit or less pays \$32.50 per hour. A nonresident of Ohio pays an additional Nonresident Fee of \$35 per hour.

Conferences and workshops on the campus require a fee of \$32.50 per hour. A nonresident of Ohio pays an additional Nonresident Fee of \$35 per hour.

GRADUATE SCHOOL FEES

The Registration and Incidental Fees for graduate study are the same as are listed above for undergraduate study. For additional fees, refer to the Graduate School Catalog.

EXTENSION COURSE FEES

A fee of \$32.50 is charged for each credit hour of extension work taken by a resident of Ohio. A Library Fee of \$5 is also charged for each extension course taken for graduate credit.

ACADEMIC CENTER INSTRUCTION

The student who attends the University at any one of the Academic Centers pays the same amount of fees as the student who attends classes at Bowling Green. (See page 17 for fee information.)

SPECIAL FEES, CHARGES, AND DEPOSITS

An *Administrative Service Charge* of \$25 must be paid at the time application for admission is submitted by a new student. For a former or continuing student, the *Administrative Service Charge* is \$10 per semester payable in advance of registration, and \$5 per summer session. This charge will be refunded only if the applicant is denied admission or readmission by the University.

A *Change of Registration Charge* of \$3 is made for any change in registration after a schedule of courses is submitted to the office of the Registrar, unless waived by the dean of the college in which the student is enrolled.

A *Late Registration Charge* of \$5 is made for each day (including Saturdays and Sundays) a student is late in registering at the opening of a semester or summer session.

An *Automobile Registration Charge* of \$10 a year (September through August) is required of all students enrolled for 9 or more hours to register an automobile with the Campus Security office. The special registration permit for a two-week period is \$1; the second special registration permit is \$2; the third special registration permit is \$3. Regular registration after the spring recess is \$5.

A *Credit by Examination Charge* of \$15 is assessed for each special examination.

A *Proficiency Examination Charge* of \$5 is made for special examinations in typing and shorthand administered by members of the business education staff for persons seeking to qualify for civil service or other positions.

A *Transcript Charge* of \$1 is made for each transcript of credits after the first one.

The student is held responsible for apparatus he loses or damages and for materials he wastes in laboratory classes. The student pays for all materials used in making articles or items that become his personal property.

Fees are charged for student teaching, for private lessons in music, and for remedial instruction in reading, written expression, and speech.

WHEN TO PAY FEES

All fees and charges are payable in advance of the semester or session for which the student enrolls. The final dates for payment of fees for each semester are given in the Calendar on the inside back cover. A student who pays his fees after the last day designated for this purpose at the opening of a semester or after classes begin in a summer session is assessed a *Late Registration Charge* of \$5 for each day that he is late, including Saturdays and Sundays.

Fees are payable at the Bursar's Office on the first floor of the Administration Building between 8 a.m. and noon and 1 and 5 p.m. Checks and money orders will be accepted if they are made payable to Bowling Green State University for the exact amount required for the payment of all fees.

REFUND OF FEES

In case of voluntary withdrawal from the University in either semester, fees, except for the *Administrative Service Charge*, will be refunded on the following basis: during the calendar week in which classes begin, 90 per cent; during the second calendar week, 80 per cent; during the third calendar week, 60 per cent; during the fourth calendar week, 40 per cent; after the fourth week, no refund. A student withdrawing under discipline (see page 33) forfeits all rights to the return of any portion of his fees. No deduction is granted because of late entrance.

In a change of program involving the dropping of a course in which a *Special Course Fee* has been paid, such fee will be refunded in accordance with the schedule given in the preceding paragraph, unless the dean of the college in which the student is enrolled authorizes different action.

RESIDENCE HALLS

PURPOSE AND PROGRAM

University residence halls provide a physical environment designed to further the academic, cultural, and personal development of their resident students. Informal discussions are arranged among students and with University faculty members and community leaders. Recorded and live musical programs are offered, and international wings are maintained for bi-lingual students in certain residence halls.

Bowling Green is primarily a residential university, and 8,000 undergraduate students live in residence halls. Undergraduate women and freshman and sophomore men are expected to live in University residence halls unless they are 21 years of age or commute from the homes of their parents, guardians or spouses. Any student who is 21 years of age on or before the opening of the fall term may, if he desires, live off campus. Junior and senior men, under the age of 21, may live off campus in homes approved by the University.

The Housing Office maintains a list of rooms and apartments which the University recognizes as adequate housing. Students who live off campus, however, do so on their own responsibility, and the University does not undertake to provide social and educational opportunities or the supervision furnished in University residence halls. A contractual arrangement exists between the student and the landlord, exclusive of the University.

As a condition of enrollment, off-campus students are expected to register their correct community addresses with the Housing Office before the payment of fees. Failure to submit the local address, or the recording of a fraudulent one, will result in disciplinary action and/or nullification of registration. Students living in housing for which they are not eligible will be subject to the same penalties.

RESIDENCE HALL EXPENSES

Students who live on campus will receive a contract before the opening of the fall term, which will give the dates and procedures for payments. The present cost is \$425 per semester, which includes 21 meals per week as well as the residence facilities. For students who live in the residence halls but take their meals in sorority or fraternity houses, the room rental is \$225 per semester. Students who live off campus but wish to take their meals on campus will pay \$225 per semester.

PAYMENT SCHEDULE

Since arrangements for residence on campus must be made prior to the opening of the semester and the University wishes to accommodate as many students as possible, a forfeiture schedule for late cancellations is maintained. This schedule appears in the *Acceptance Agreement*, which is provided when the residence hall application is accepted. The *Acceptance Agreement* should be read thoroughly by both student and parent or guardian and retained for future reference. A *Residential Contract Card* will accompany the Agreement. It must be signed and returned with the initial payment, indicating acceptance of the provisions of the Agreement. Payment may be made in full for the entire semester or in accordance with a deferred plan described in the *Acceptance Agreement*. The initial payment date appears on the *Residential Contract Card*.

REFUNDS

Adherence to this payment schedule is a prerequisite for admission. Should it be necessary to withdraw from the University after the *Acceptance Agreement* has been executed, the refund schedule outlined in the Agreement is followed.

VACATION PERIODS

During the vacation periods, the residence halls ordinarily are not open to students because it is at such times that the Maintenance Department can best provide the services to maintain and improve the facilities.* Students remaining over the Thanksgiving or Christmas recesses, between terms, or spring vacation will have to make special arrangements for off-campus housing during these periods. The Director of Residence Services will assist in making these arrangements.

RESPONSIBILITY FOR PERSONAL EFFECTS

During a student's residence in the halls, every effort is made to provide adequate supervision. However, the University cannot assume responsibility for loss or damage to personal effects of the students or other guests of the University. Most students have their own personal effects listed in the blanket homeowner's insurance policy provided by their parents.

Generally, each room is completely furnished except for linens, pillows, blankets, and personal toiletries. A linen rental service is available to students if they wish to use it. This service is provided by a private laundry.

CHANGE OF UNIVERSITY ADDRESS

If for some reason a student should find it necessary to change his address from a residence hall, room, or an apartment, such change must be registered and approved by the Dean of Men or Dean of Women, and the Director of Residence Services, in advance of the proposed move.

OCCUPANCY OF ROOMS

The University calendar on the back cover lists the dates on which residence halls are available for occupancy. This applies to both on-campus and off-campus residents.

Every student is required to vacate and have his belongings removed from the residence hall within 24 hours after the close of final examinations for the second semester, except for the student who will receive a degree at the June Commencement. Such a student may occupy his room up to 6 p.m. of Commencement Day.

The University undertakes at all times to maintain wholesome and pleasant living conditions in all its residence halls, and the right is reserved to remove an occupant at any time by order of the Dean of Men or the Dean of Women.

FOOD SERVICES

Only by special arrangement, based on compelling individual circumstances, is a student permitted to live in a University residence hall without taking his meals on the campus. A student living off campus may purchase a meal ticket for the semester for meals in a University dining hall.

No deductions or refunds are made for meals missed over weekends or at other times.

*The University reserves the right to assign, inspect, maintain, and make repairs in residences anytime during the school year.

STUDENT FINANCIAL AID

A limited amount of aid for highly qualified students who need financial assistance in order to attend college is available each year at Bowling Green University through scholarships, grants-in-aid, loans, and part-time employment.

Every student should have a sound plan for acquiring a college education, including financial arrangements, worked out well in advance. It is advisable for a student who must earn a part of his expenses to discuss his situation personally with the Director of Student Financial Aid as early as possible. The prospective student should communicate first with the Director of Admissions. After his application for admission to the University has been approved, he may discuss his problems with the Director of Student Financial Aid.

Aid which the University can provide is limited in the amount of money the University has available for this purpose and the number of part-time positions it can provide or find for students.

The University is participating in the college-related financial aid programs of the Economic Opportunity Act of 1964 and the Higher Education Act of 1965.

A freshman should not attempt part-time work during the first semester, and preferably not in the first year.

UNIVERSITY SCHOLARSHIPS

Scholarships are awarded on the basis of very high scholastic achievements and other evidence of probable excellence in college work. Only the student who ranks very high in his high school studies has any chance of being granted a scholarship. A record of having been a superior participant in school activities is helpful, and evidence of good character is essential to obtaining a scholarship.

The American College Test (ACT) is required of every entering student, but any additional standard test scores, such as College Entrance Examination Board Tests or the Ohio Senior Scholarship Test (for Ohio residents only), will further assist the Scholarship Committee in evaluating a scholarship application.

A limited number of scholarships are available on the basis of scholarship alone, without reference to need. The recipients of these scholarships are selected from the applicants for University scholarships by the Scholarship Committee, usually by June 1. A recommendation from a high school principal or counselor concerning an outstanding student will assist the committee in making its selections.

Scholarship stipends vary according to financial need, ranging up to an amount equivalent to the student's fees for a student with little or no financial resources available. A scholarship is for one year only, but recipients may apply for scholarship aid in succeeding years.

No student is considered for a scholarship until he has been admitted to the University. An *Application for Scholarship* and an *Application for Admission* may be filed at the same time. A transfer student is not eligible for a University scholarship, grant-in-aid, or loan during his first semester at the University.

For the college year beginning in September, the closing date for filing applications for scholarships is the previous February 1, but earlier application is encouraged. A student who applies after this date will be considered only for a scholarship that has not already been assigned. A student applying for admission to the University may obtain scholarship information and application blanks from the Director of Admissions; a student already enrolled in the University should see the Director of Student Financial Aid and file his application by April 15.

A scholarship (or grant-in-aid) awarded by Bowling Green University is not available to a student who has been awarded a scholarship from another source.

GRANTS-IN-AID

The University awards a number of grants-in-aid each year to worthy students, upon recommendation of the Faculty Committee on Grants-in-Aid. The principal determining factor in awarding a grant-in-aid is financial need, although character, motivation, special aptitude, and demonstrated ability of the student to succeed in college are also important considerations. Applications for grants-in-aid are made in the same manner as are applications for scholarships. These awards are not generally available to the freshman or transfer student in his first semester.

STUDENT ASSISTANTSHIPS

Assistantships which pay varying amounts of compensation up to an amount sufficient to cover the cost of room and board at the University are available to a number of qualified upperclass students in various departments and in residence hall counseling. For information regarding departmental assistantships, the student should see the dean of the college in which he is enrolled. Information regarding residence hall counseling may be obtained in the office of the Dean of Students. For information about graduate assistantships, see page 149.

LOANS

Loans are available from the University and from various other sources for students who qualify.

Under the provisions of the National Defense Student Loan Program, which was established under the National Defense Education Act of 1958 and amended in successive legislation, loans are available from the University to veterans who qualify.

PART-TIME WORK

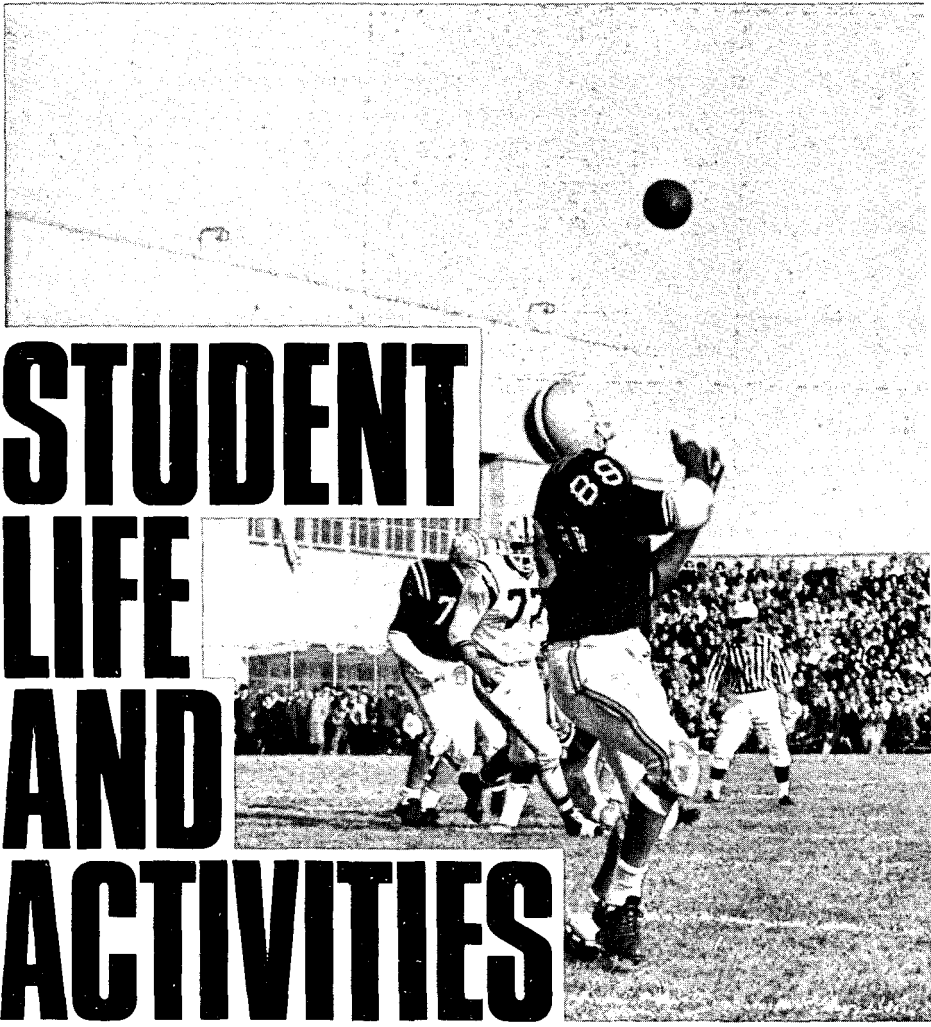
A student may earn part of his expenses through part-time work on the campus. Assignments are made by the Director of Student Financial Aid. A number of part-time positions for students are also available in the city of Bowling Green, through the office of the Director of Student Financial Aid.

A student who is carrying a full load of studies is not permitted to work more than 20 hours a week, without written approval of the dean of the college in which he is enrolled. A student whose point average is less than 3.0 is strongly advised to limit his outside employment to a maximum of 12 hours a week. A student whose average is less than 2.0 is advised to avoid outside employment completely and to devote full time to his studies.

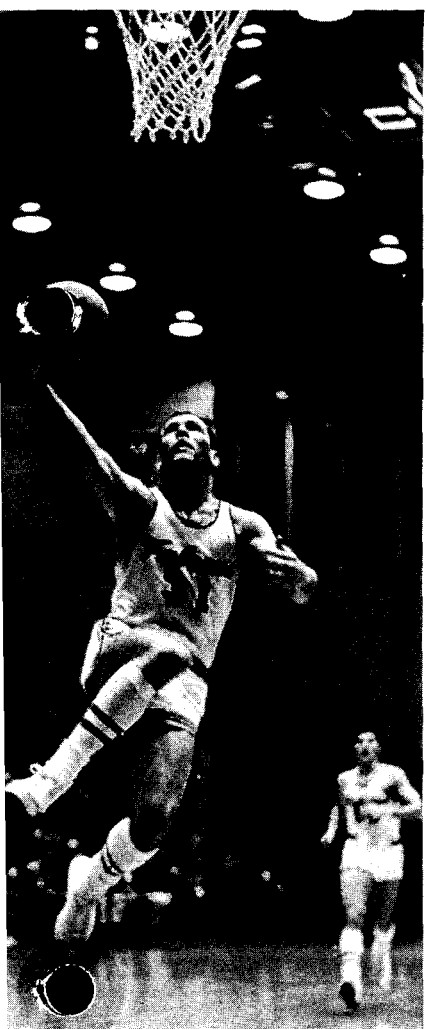
VETERANS AND WAR ORPHANS

The University is approved by the U.S. Veterans Administration for the education and training of veterans and war orphans under Public Laws 634, 894, and 89-358.

**STUDENT
LIFE
AND
ACTIVITIES**







STUDENT LIFE AND ACTIVITIES

Social, cultural and athletic programs are sponsored by various student organizations and academic departments of the University to round out the education of the student. An opportunity for self-government is afforded each student through his elected representative or by his own election to office. Many academic departments and student groups provide additional opportunities for learning through lectures, seminars, and activity programs.

Each voluntary student organization is considered to be a representative agency of student life in its area of interest and activity.

STUDENT BODY ORGANIZATION

The major agency through which a student may participate in University administration and government is the Student Body Organization, which includes executive officers and a Student Cabinet, Student Council, and Student Court. These bodies function under a definite set of responsibilities and authority delegated by the President of the University, and outlined in a constitution adopted by a majority vote of the student body.

Purposes of the Student Body Organization are to provide the student with a wide range of opportunity for responsible participation in the government of the University community, and to give the University the advantage of student deliberation and experience in arriving at the soundest possible policies and practices with respect to matters which relate directly and uniformly to all students enrolled in the University. All councils and boards of the Student Body Organization have available the advice of faculty members or administrative officers of the University.

UNIVERSITY COUNCILS AND COMMITTEES

In addition to the Student Body Organizations, the qualified student may serve on other policy-determining and administrative bodies of the University.

HONOR SOCIETIES

Student organizations sponsor programs to serve many interests. Heading the list of such groups are honor societies, through which the student with a distinguished record in an academic field receives recognition and stimulation.

RELIGIOUS LIFE

Student religious organizations serve students of all major faiths through programs planned and directed by their respective members.

The Religious Council, composed of representatives of recognized campus religious organizations, coordinates and stimulates activities that can be supported by all faiths.

FRATERNITIES AND SORORITIES

The University administration extends self-governing powers and privileges to social fraternities and sororities. Membership in student organizations that are recognized and approved by the University must be on the basis of individual

merit, as provided in a ruling of the Board of Trustees passed March 8, 1963. Any student organization selecting members on the basis of restrictive clauses dealing with race, religion, or national origin will be operating in conflict with University policy. Organizations persisting in such practice will be denied recognition and such rights and privileges enjoyed by them will be restricted.

A freshman is ineligible to pledge membership in a fraternity or sorority until his or her second semester, and then only with a satisfactory academic average.

UNIVERSITY THEATRE

The University Theatre, a division of the Department of Speech, serves as a laboratory for the theatre and speech student, and through its presentations enriches the cultural experience of the student body and community.

The University Theatre program is staged in two theatres. The Main Auditorium has a large stage and seating capacity of 1,200. Joe E. Brown Theatre is a speech laboratory and little theatre of advanced and flexible design with a seating capacity of 275, a deep and flexible stage, scene shop, costume room, workroom, and storage facilities. It is named in honor of the veteran actor who is an honorary alumnus of the University.

WBGU-FM RADIO

The University's educational FM station, WBGU, provides a laboratory for the student whose academic work calls for preparation and presentation of radio programs as well as for the student who wishes to participate on a talent or resource basis. Radio Station WBGU carries a regular daily schedule of local and NAEB network programs, and is licensed by the Federal Communications Commission to broadcast on a frequency of 88.1 megacycles at a radiated power of 1,350 watts.

WBGU-TV

WBGU-TV, University television broadcasting station, operates on channel 70 with a power of 10,000 watts. Programs are produced under the direction of a professional staff with student crews operating cameras, lights, and sound and film projection equipment.

WBGU-TV offers telecourses for University credit, in addition to cultural, educational, and informational programs. Campus-produced programs are supplemented with telecasts from the National Educational Television network and Ohio ETV network, with which WBGU-TV is affiliated.

TELEVISION INSTRUCTION

Television instruction is conducted in a studio adjoining the radio station, where facilities and equipment for closed-circuit telecasting include film projection; professional studio cameras, slide and movie projectors; a full complement of studio lights operated from a master control panel; and additional control equipment necessary for producing programs of high telecasting quality. Both conventional and experimental television programs are presented to audiences by undergraduates and graduates in television production classes. The best programs are considered for telecast over WBGU-TV.

FORENSICS

A broad program in forensics, including debate, discussion, extempore speaking, interpretative reading, and public address, is sponsored by the Department of Speech. Experienced and beginning debate teams travel throughout the nation debating the national collegiate proposition against the teams of other colleges and universities.

MUSIC ORGANIZATIONS

Membership in music organizations is open to every student whether he is majoring in music or not, with selection made on the basis of tryouts. These organizations include the *A Capella Choir* and *Collegiate Chorale*; *Concert, Marching* and *Symphonic Bands*; *Chamber* and *Symphonic Orchestras*; the *University Chorus*; and a number of other vocal and instrumental ensembles.

STUDENT PUBLICATIONS

The two major campus publications, *B-G News*, the newspaper, and *Key*, the yearbook, are published under supervision of a student-faculty committee. The *B-G News* serves as a laboratory for the School of Journalism, but any student is eligible for a staff position on either the *B-G News* or the *Key*.

INTRAMURAL SPORTS

The intramural program includes approximately 40 different sports. Among these are archery, badminton, basketball, golf, handball, field hockey, horseshoes, softball, swimming, platform tennis, table tennis, touch football, ice hockey, track, and volleyball.

INTERCOLLEGIATE ATHLETICS

Intercollegiate athletic teams at Bowling Green are named the Falcons, and compete in football, basketball, baseball, golf, tennis, swimming, track, cross-country, wrestling, soccer, and lacrosse. Women's hockey, swimming, and golf teams compete with teams from other colleges and universities.

The University is a member of the Mid-American Conference, which includes Kent, Miami, and Ohio Universities, and the University of Toledo, in Ohio; Marshall University in West Virginia; and Western Michigan University in Michigan.

A student who is in good scholastic standing is eligible to compete in intercollegiate contests. When a student becomes a candidate for a position on any of the teams that compete in intercollegiate contests, it is presumed that he does so with the knowledge and consent of his parents or guardian. Every precaution is taken to safeguard the health of the student who participates in an intercollegiate sport. A physician is always present at intercollegiate contests in the more rigorous sports. Although the University carries a restricted type of insurance on team members, it can guarantee to pay only the cost of first-aid treatment in the event of injury.

UNIVERSITY REGULATIONS

INTRODUCTION

The increasingly complex organization of a growing University dictates that student regulations must be broadly conceived and must vary from college to college. As the academic programs of the colleges change, the regulations that govern the student have to be modified.

The student should be prepared to accept responsibility for his own conduct and the consequences of his success or failure. The University as an institution cannot act in *loco parentis*, nor will it attempt to do so. For the student who needs it, the University provides a comprehensive counseling program including a Health Service; Counseling and Testing Center; counseling by the Dean of Students, Dean of Men, and Dean of Women; Vocational Counseling Service; and other counseling services. Each student can, on his own initiative, secure the counseling he needs by communicating with the appropriate office.

CLASS ATTENDANCE

The faculty believes that the activities of the classroom have an essential relationship to learning and to the application of knowledge. It further believes that the serious student will seek to maximize his opportunities to work toward achieving his academic goals by attending classes regularly.

The development of effective student-teacher relationships requires, however, an attendance policy which will recognize the rights and responsibilities of students and instructors and which will be flexible and responsive to the wishes of many. On this principle, regulations have been established for the guidance of students and instructors in working out arrangements which best meet the needs of the effective classroom experience.

A student in 100- and 200-level courses is permitted to be absent without authorization the equivalence of the meetings of each course in one week. The instructor may permit double this number of unauthorized absences for all students in 100- and 200-level courses. A student in 300- and 400-level courses is permitted unlimited absences subject, however, to the qualifying provisions given in the following paragraphs.

In all courses at all levels the instructor has no obligation to give make-up examinations or to review other class work missed by a student because of an unauthorized absence. The student has the obligation to ascertain when tests may be given and when assignments may be due. It is the responsibility of an instructor to make his attendance policy for the course known at the beginning of each semester, and each instructor shall indicate what class participation will be involved in the determination of the course grade. The instructor may warn a student that absences are jeopardizing his standing, so inform the student's academic dean and may recommend that the student be withdrawn from the course. Exceptions to these policies may be made only by departmental action and exceptions shall apply to all sections of a course.

A student may be authorized to be absent from classes for reasons of University-sponsored activities, personal illness when attended by a University physician, death in the immediate family, and other genuine emergencies. Absences for illness shall be authorized by the Health Service when a student is hospitalized in the Health

Service or under treatment at home and presents a certificate to this effect when he returns to school. Absences for University-sponsored activities shall be authorized by the office of the appropriate dean; absences for other just causes shall be authorized by the Dean of Students. The authorization will be certified by the Registrar, and the student is expected to obtain such certification to show instructors upon returning to class. A student is permitted to arrange to make up major tests and examinations when absences are authorized. The responsibility, however, for making up work missed during absences rests with the student.

A full-time student whose total academic load falls below the minimum credit hours set by the Catalog for full-time registration shall be subject to dismissal from the University, whether the reduction is by the student's choice or for excessive absences.

Each instructor shall maintain attendance records and shall report the total number of absences incurred by each student when reporting final grades.

The student is expected to do his own work. This applies to work done outside of class as well as to examinations in class. Plagiarism, whether on written assignments or term papers, also is a form of intellectual dishonesty.

The University not only encourages each student to exercise freely the rights but also to assume the responsibilities of academic citizenship.

ACADEMIC STANDING

Mid-term estimates are given in all courses at the end of the ninth week of each semester, and each student who is doing unsatisfactory work should seek counsel through the office of the dean of the college in which he is enrolled.

A student's academic standing is considered unsatisfactory if his semester point average is below 1.5 for the first semester; 1.6 for the second semester; 1.7 for the third semester; 1.8 for the fourth semester; 1.9 for the fifth semester; or 2.0 for the sixth semester or any succeeding semester.

A student's academic standing also is considered unsatisfactory if his cumulative point average falls below 1.5 at the end of his first semester; 1.6 at the end of his second semester; 1.7 at the end of his third semester; 1.8 at the end of his fourth semester; 1.9 at the end of his fifth semester; and 2.0 at the end of his sixth or succeeding semesters. However, a student may be continued on warning if his semester point average is 2.0 or above even though he does not obtain good standing.

A student will receive a warning at the end of the first semester in which his academic standing is unsatisfactory; he will be dismissed from the University at the end of the second successive semester in which his academic standing is unsatisfactory. A beginning freshman whose point average for his first semester or for 10 or more hours in one summer is less than 1.5 will be considered in unsatisfactory academic standing; if his point average is 1.4 to 1.49, he will be placed on warning; if his point average is below 1.4, he will be dismissed from the University at the end of his first semester or summer session. A notice of warning or of dismissal is sent by the University both to the student and to his parent or guardian.

WARNING STATUS

A student on warning because of unsatisfactory academic standing must follow a restricted program as follows: (1) his course load shall not exceed 16 hours, and

may be less if so determined by his college dean; (2) he shall not take part as a performer, an officer, or an active participant in any intercollegiate activity, meeting, or conference, except that an activity begun in the first semester may be completed in the second semester.

READMISSION

To regain good standing a student who is dismissed because of unsatisfactory academic standing must enroll in Summer School at this University and meet the academic requirements, as stated above for his class.

After he has successfully completed 10 or more hours of courses required for his degree program in one summer and has thereby raised his point average to meet the academic requirements as stated above, the student will become eligible to apply for readmission during the regular academic year.

A student who has not raised his point average in one summer sufficiently to meet the academic requirements above may be readmitted on warning during any semester if he has achieved a point average of 2.5 or better while carrying the prescribed load, provided that appropriate housing is available. If the fall enrollment capacity of the University, as determined by University officials, has already been reached when his application for readmission has been completed, he may apply for readmission at the beginning of a later semester.

Under unusual circumstances the student may be permitted to attend another college or university while under suspension, provided that the dean of his college approves his schedule of academic courses in advance of his enrollment at the other institution. Acceptance of credit earned at another institution by the student will be deferred until he has satisfactorily completed one additional semester at Bowling Green University.

WITHDRAWAL FROM THE UNIVERSITY

A student who wishes to withdraw from the University in good standing must obtain the permission of the dean of the college in which he is enrolled. If he leaves the University without proper notice and permission, he will receive a mark of WF in all courses. He will not be entitled to any refund of fees, nor to a certificate of honorable dismissal.

A student who withdraws with permission from the University will have a mark of W recorded in all courses, unless he has previously withdrawn from a course with WF. After the date for reporting midterm grades, he will have WP or WF recorded in each course in accordance with his midterm grade.

CAUSE FOR SUSPENSION

The University reserves the right to suspend or dismiss a student whenever he fails to observe and support basic University regulations and policies.

Use or possession of intoxicating liquors and/or beer (including 3.2 per cent of alcohol by weight) is not permitted on the campus.

Regulations regarding suspension or dismissal for unsatisfactory scholarship are described in the section on Academic Standing. (See page 32.)

STUDENT USE OF AUTOMOBILES

The University recognizes that the use of automobiles is a part of the daily living of most Americans, and considers it a part of a student's education that he

develop habits of responsible citizenship in this respect. However, present congested conditions on campus, limited parking facilities, and the proximity of freshman residence halls to classroom buildings dictate that parking for cars registered by freshmen be limited to designated spaces some distance from the center of the campus. Unless use of a car is necessary to avoid severe hardship, a freshman should not plan to bring one to the campus.

MARRIAGE OF STUDENTS

A student who marries while enrolled in the University is requested to inform the Dean of Men or the Dean of Women immediately, unless he lives at home with his parent or guardian. Only in this way will the University know of address changes.

POSSESSION OF FIREARMS

Only those firearms which are owned by the United States government and issued by the military departments, and firearms owned and issued by the University, are permitted on campus.

UNIVERSITY HEALTH SERVICE

Every effort is made by the University to safeguard the health of each student. The Health Service has clinical facilities and beds, a staff of resident physicians, registered nurses, and X-ray and laboratory technicians.

The Health Service maintains a health record of each student throughout his college career, including the family physician's physical examination report, and complete records of observation and treatments by University physicians. Each student entering the University is required to be vaccinated for smallpox and have a chest X-ray or tuberculin skin test. Other immunizations are recommended. Each student is urged to report promptly to the Health Service for attention to all illnesses and injuries.

A student may obtain Health and Accident Insurance to cover most costs not borne by the Health Service by contacting the University Business office. The policy is written at a reasonable cost for the calendar year, and provides coverage both on and off campus. Blue Cross and Blue Shield insurance or other health and accident insurance carried by parents or by students may also cover such medical costs.

Absences from classes because of illness can be excused when certified by the University Health Service in accordance with University regulations. (See page 31.)

WITHDRAWAL FOR ILLNESS

When, in the judgment of the Director of the University Health Service, the physical or nervous condition of a student is such that his continuation in the University might be disadvantageous to the health or welfare of himself or others on the campus, the Dean of Students may require the withdrawal of that student from the University.

A student who withdraws from the University for reasons of mental health shall not be considered for readmission for a period of six months or more after the end of treatment.

ARMY AND AIR FORCE ROTC

A qualified student may earn a commission as a second lieutenant while studying for a college degree by enrolling in the Reserve Officers Training Corps (ROTC). He may choose either the Air Force or Army ROTC at Bowling Green University. Both Army and Air Force ROTC enroll approximately 500 cadets each.

Under the provisions of the 1964 ROTC Vitalization Act, two programs are offered for both the Air Force and Army:

1. A four-year voluntary program (basic and advanced courses) with ROTC books and uniforms furnished at no cost to the student, plus \$40 per month paid to the student during the advanced course (junior and senior years).

The student of high academic ability may apply for the financial assistance program, which will cover his University expenses, including fees, room and board, books, and uniforms, plus \$50 per month. The student will compete for this financial assistance on a national basis while in high school or in a college having an ROTC program.

2. A two-year voluntary program (advanced course) during the junior and senior years with ROTC books and uniforms furnished at no cost to the student, plus \$40 per month paid to the student.

Prior to starting the two-year program, the student will complete a six-weeks' summer field training period at an active military base. This is a substitute for the ROTC basic course. The student also will be paid \$91 per month during summer field training.

An advanced course summer field training will be taken by the student in the four-year program following the junior year or after graduation. This will be four weeks for the Air Force ROTC and six weeks for the Army ROTC. The student will be paid \$152 per month during this training period.

The student attending summer field training will be furnished food, housing, uniforms, medical care, and travel expenses to and from camp.

Following successful completion of the ROTC program, the student will be commissioned as a second lieutenant in the U.S. Air Force or Army Reserves. He also will receive a \$300 uniform allowance.

A student attending a nearby college or university which does not have an ROTC unit may enroll in the advanced ROTC program, provided the officials of both institutions concur.

Enrollment in ROTC is elective, but while enrolled, the student must remain a full-time student studying toward a degree. After completing the basic course, the student may withdraw from ROTC and will receive academic credit for that portion of the program which he has successfully completed. The student who is out of phase with his normal class progression may enroll in the ROTC program, provided he is in good academic standing. A former serviceman may, during his sophomore year, apply for entry directly into the advanced program.

A candidate for the optional two-year Air Force or Army ROTC advanced course should apply for admission in December, normally in his sophomore year. However, any student with four semesters remaining toward the bachelor or master's degree at Bowling Green may apply. Selection will be based on the results of the physical and mental examinations, academic standing, and successful completion of the summer field training period prior to enrolling in the advanced course.

Most undergraduate programs allow the student at least 20 hours of electives. At least 16 hours are allowed for the four-year program—4 for the basic course and 12 for the advanced course. In addition, the University requirements in Health and Physical Education are reduced by one-half for the ROTC student if he completes the basic course of the four-year program. All credits earned in ROTC apply toward graduation.

To help finance Cadet Corps social activities, the Air Force and Army ROTC cadet councils, at the request of their members, have established an annual activity charge of \$5 per ROTC student, payable in September.

ARMY ROTC

Both the four- and two-year ROTC programs are available at the University, but the primary Army ROTC program will remain a voluntary four-year course of instruction. The student who elects Army ROTC will prepare for leadership positions to which he will be assigned soon after entering active duty. A thorough understanding of leadership principles, as well as self discipline, is required in the preparation of the student entering the program.

The four-year program is divided into two phases: the basic course which is offered during the freshman and sophomore years, and the advanced course which is offered during the junior and senior years. A freshman may enroll in the basic course and either apply for the advanced course or withdraw from the program at the end of his sophomore year. A student who applies for the advanced course must be in good academic standing, pass a general aptitude qualification test and general type physical examination, and be accepted for further military training by the Department of Military Science.

To enroll in the optional two-year Army ROTC program, the sophomore must, in addition to meeting the advanced course prerequisites above, attend a summer military field training period of not less than six weeks prior to his junior year.

When a student has successfully met all requirements for the advanced course and his selection has been approved by the Department of Military Science, he will be enlisted in the U.S. Army Reserve as part of his contract agreement. The cadet who is graduated and commissioned will be honorably discharged from his enlisted status prior to receiving his commission.

An Army Aviation Flight Training program leading to a private pilot's license is offered by the University. A selected senior in the Army ROTC who completes the program may apply for 2 hours of credit in Aeronautics 101, Private Pilot Training. (See pages 204-205.) This training is offered at no cost to the student. In addition, the student who successfully completes this program will become eligible to apply for further training as an Army aviator after receiving his commission and entering active duty.

The Army ROTC academic program will provide a four-year student with a total of 18 hours of credit (20 hours with flight training), and the two-year student with a total of 12 hours of credit (14 hours with flight training). The student who enters the four-year program and completes the basic course, but elects not to enter the advanced course, may earn 6 hours of credit.

Contact hours for students enrolled in the ROTC program are as follows:

In the freshman year (Military Science 101 and 102), the student spends two hours a week in ROTC training and receives 1 hour of credit each semester.

In the sophomore year (Military Science 201 and 202), the student spends three hours a week in ROTC training and receives 2 hours of credit each semester.

The course for the first semester of the junior year (Military Science 301) permits the student to spend two hours a week in ROTC training and pursue a course for 3 hours of credit on campus in one of the following academic areas: oral or written communication, sciences, psychology, political science.

During the second semester of the junior year (Military Science 302), the student spends five hours a week in ROTC training for which he receives 3 hours of credit.

The course for the first semester of the senior year (Military Science 401) permits the student to spend two hours a week in ROTC training and pursue a course for 3 hours of credit on campus in one of the academic areas listed above.

During the second semester of the senior year (Military Science 402), the student spends five hours a week in ROTC training for which he receives 3 hours of credit.

Upon graduation, the senior ROTC student will be commissioned a second lieutenant in the U.S. Army Reserve, and he will serve on active duty for two years. The student who received a two-year or four-year financial assistance scholarship must serve on active duty for four years.

AIR FORCE ROTC

A student desiring to enroll in Air Force ROTC must satisfactorily pass a placement examination administered during the pre-registration period. Enrollment is elective, but once enrolled a student must complete the basic course (freshman and sophomore) as a prerequisite to graduation unless excused by the department.

The student who is enrolled in the four-year program will take Aerospace Studies 101 and 102 in the freshman year and Aerospace Studies 201 and 202 in the sophomore year. He will spend two hours per week in ROTC courses for which he will receive 1 hour of credit for each semester. The advanced course student will earn 3 hours of credit for each of four semesters of the advanced course.

The entering freshman who wishes to enroll in Air Force ROTC for the four-year program should register for Aerospace Studies 101 during registration. The student who desires to compete for a limited number of spaces in the two-year program should notify Air Force ROTC in Memorial Hall during December of his sophomore year.

The student who is accepted for the advanced course must be in good academic standing with the University, have successfully completed the Air Force Officers Qualification Test (general knowledge and aptitude) and the Air Force medical examination, be of high moral character, and demonstrate high leadership potential as an officer.

See pages 154-155 for required courses for both the two-year and four-year programs.

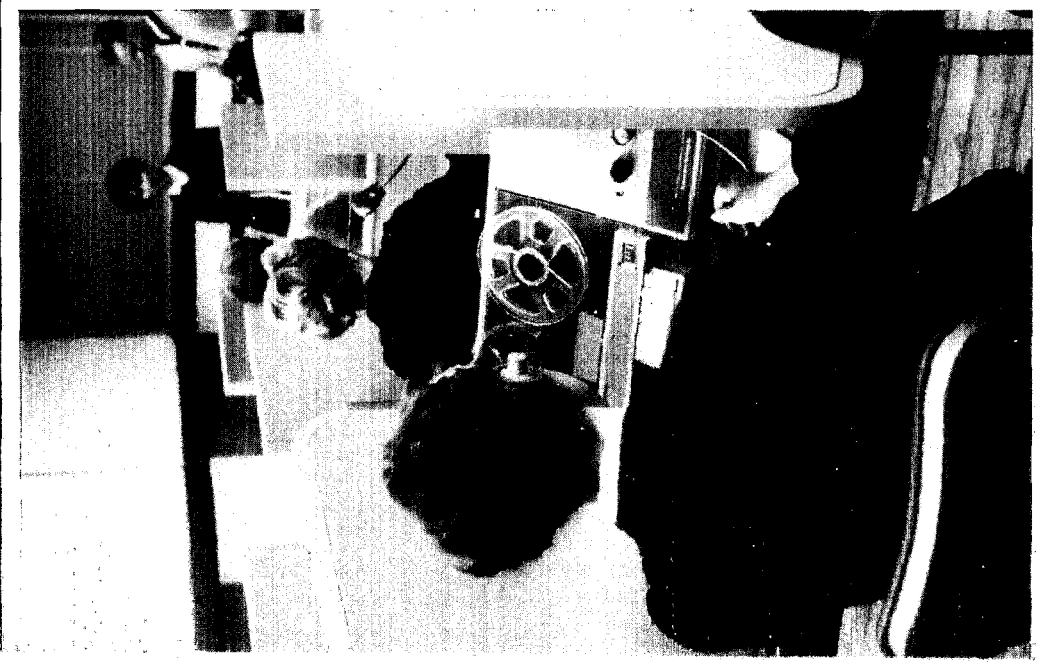
A selected qualified senior in the Air Force ROTC may receive 36½ hours of flying training at the University Airport at no cost to himself. The student who successfully completes this training will be eligible for a private pilot's license and will receive 4 additional hours of credit. A senior Air Force ROTC student who has previously received his FAA private pilot's license is not eligible for this training.

The Air Force ROTC Corps Training Activities, which are part of each course, offer the student many opportunities for practical leadership training and experience in a supervised environment. The activities include an organized cadet corps, led by a cadet commander and his staff, and organized classroom situations to prepare the student to assume and carry out leadership responsibilities in civilian positions as well as in the U.S. Air Force.

The student who successfully completes the Air Force ROTC program and graduates from the University will be commissioned as a second lieutenant in the U.S. Air Force, and may expect to be called to active duty in the Air Force during the year following graduation. He should plan to serve for four years. An officer who elects pilot or navigator training should plan to serve for five years. An officer may elect to serve as a career USAF officer after the initial tour of active duty, or he may return to a civilian career and, at his option, retain a reserve commission. A graduate may delay entry to active duty up to four years to attend graduate school.



**COLLEGE OF
LIBERAL ARTS**





THE COLLEGE OF LIBERAL ARTS

ARCHIE H. JONES, Ph.D., *Dean*

GEORGE HERMAN, Ph.D., *Assistant Dean*

WILLIAM B. JACKSON, Sc.D., *Assistant Dean*

Members and departments or divisions represented on the faculty councils of the College of Liberal Arts are as follows:

LIBERAL ARTS COUNCIL

WILLIAM A. KIRBY, *Chairman*
OTTO F. BAUER, *Past Chairman*
JAMES Q. GRAHAM (1968)
CARL W. HALLBERG (1969)
RAYMOND YEAGER (1967)

H. THEODORE GROAT, *Secretary*
GEORGE HERMAN, *ex-officio*
WILLIAM B. JACKSON, *ex-officio*
ARCHIE H. JONES, *ex-officio*

CURRICULUM COMMITTEE

GEORGE HERMAN, *Chairman*
LOIS CHENEY (1969)
RICHARD D. HOARE (1967)
J. FREDERICK LEETCH (1969)

HAROLD B. OBEE (1968)
JOSEPH B. PERRY (1968)
ROBERT W. TWYMAN (1967)

HUMANITIES COUNCIL

EVA-MARIA GABOR, *Chairman*
ANTHONY B. BAYNARD
ROBERT R. FINDLAY
GILES R. FLOYD

RICHARD H. LINEBACK, *Secretary*
CARL D. HALL
FRED J. YOUNG

SCIENCE AND MATHEMATICS COUNCIL

EDGAR B. SINGLETON, *Chairman*
JOSEPH J. MANCUSO
IRWIN I. OSTER

IVAN E. DEN BESTEN, *Secretary*
RALPH N. TOWNSEND

SOCIAL SCIENCES COUNCIL

GEORGE S. MASANNAT, *Chairman*
CHARLES R. CHITTLE
RALPH W. FRANK

DONALD M. RAGUSA, *Secretary*
DON K. ROWNEY
EUGENE V. SMITH

THE LIBERAL ARTS

The College of Liberal Arts is devoted to guiding the student in the development of the creative intellectual ability and concern fundamental to that search for knowledge which is the primary purpose of all educated men and women. Through a curriculum which emphasizes a breadth of intellectual inquiry in the Natural Sciences, the Social Sciences, and the Humanities, the student is brought into contact with the great questions (epistemological, ethical, social, aesthetic, and political) which every man or woman must ultimately consider. As an integral part of this higher learning, the student pursues work in a major field of interest to a level of knowledge that requires him to learn the critical and scholarly methods involved in developing and testing new knowledge.

The Liberal Arts program will provide an excellent, in many ways the best possible, foundation for any vocation rather than specific training for a particular career. Largely because of this breadth of education, vocational opportunities exist for most graduates of the four-year Liberal Arts program. Certain professions (medicine, law, etc.), however, require that the student plan to attend a graduate school after receiving the Liberal Arts degree.

DEGREES OFFERED

Three degrees are offered by the College of Liberal Arts:

- Bachelor of Arts
- Bachelor of Science
- Bachelor of Fine Arts

GENERAL REQUIREMENTS FOR A DEGREE

In addition to specific requirements listed on the following pages, a candidate for any degree in the College of Liberal Arts must meet these general requirements:

- a. Satisfy the University entrance requirements.
- b. Complete in residence at least 30 hours of credit immediately preceding graduation.
- c. Earn a minimum of 124 hours of credit, including 4 hours in health and physical education, or 2 hours in health and physical education and the basic course in either Air Force or Army ROTC.
- d. Earn a point average of at least 2.0 in all courses undertaken.
- e. Complete 40 or more hours of credit in courses numbered 300 and above.

A candidate for graduation must file an *Application for Graduation* with the Registrar not later than the first week of his final semester or summer session. An application blank for this purpose may be obtained at the Registrar's Office.

SPECIAL STATUS PRIVILEGES

The student in the College of Liberal Arts who has demonstrated superior ability and motivation in his college work may petition the Liberal Arts Council for Special Status after one semester in the University. Admission to Special Status will permit exceptions to certain regular academic patterns for the purpose of enrichment, advancement, and individualizing of the student's academic program. The petition for such academic privileges must be accompanied by a written recommendation from the student's adviser, and from at least two of his instructors. A special advising committee will be appointed for the student on Special Status to recommend the specific ways in which his program may deviate from normal patterns. The recipient of Special Status will have that fact noted on his permanent record.

SPECIFIC REQUIREMENTS FOR THE BACHELOR OF ARTS DEGREE

1. The student who enters the College after September, 1963, must complete the group requirements listed below as nearly as possible in the freshman and sophomore years. The student who registered in the College prior to September, 1963, may choose to follow the requirements in effect at the time of his entry into the College of Liberal Arts.
2. The student must satisfy the requirements for a major and a minor area of specialization as outlined on pages 48-54.

GROUP REQUIREMENTS

GROUP I—English Composition. Each student is required to complete English 101 and 102, or 103, or to demonstrate by examination that he has a proficiency in written expression equivalent to that attained by the student who completes these courses. Speech 102 is recommended for all students.

GROUP II—French, German, Italian, Latin, Russian, Spanish. Each student is required to demonstrate a proficiency equivalent to completion of French 202, German 202, Italian 202, Spanish 202, Russian 202, or Latin 206. This may be satisfied by: (a) completing the course in college or (b) passing an examination in the language or (c) having completed four years of study of one language in high school or (d) having been graduated from a high school where all instruction was conducted in a language other than English.

Credit toward a degree will not be granted for less than 6 hours in 100-level courses in the same language, nor for a 100-level foreign language course which duplicates credits earned in high school. Placement in a college language course beyond the first year will be determined by proficiency examinations.

GROUP III—Mathematics and Science. Each student must complete both (a) and (b):

- (a) At least 8 hours elected from biology, chemistry, geology, physics, or physical geography† (including at least two laboratory courses in the same science).*
- (b) One of the following:
 1. Mathematics proficiency equivalent to the completion of Math. 123 (including high school preparation).
 2. Six hours of college mathematics (excluding Math. 241-242).
 3. Math. 121, and a college course in logic or philosophy of science.

GROUP IV—Economics, Geography, History, Political Science, Psychology, Sociology. Each student is required to complete 18 hours of credit in courses selected from at least three of these areas, with at least 9 hours in one area.

GROUP V—Art, Literature (American, English, or foreign), Music, Philosophy, Speech Courses in Theatre. Each student is required to complete 3 hours of credit in literature (American, English, or foreign), and 12 additional hours of credit from at least two of the following areas: Art 101, art appreciation, art history; American, English, or foreign literature; music appreciation, music history, music literature; philosophy (except for logic or philosophy of science when used to apply to Group III); drama, history of public address. A list of courses approved for the Group V requirements is available in the office of the College of Liberal Arts or from faculty advisers.

*Science courses numbered 100 will not apply upon a student's degree requirements if he also has credit for the introductory laboratory course in the same science.

†Includes Geography 110, 111, 313, 404, 471.

BACHELOR OF ARTS CURRICULUM

The curriculum outlined below includes the group requirements for the Bachelor of Arts degree. Adaptations of this curriculum for pre-professional preparation are given on pages 58-74.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101 (Group I)	3	English 102 (Group I)	3
Foreign language (Group II) *	3	Foreign language (Group II) *	3
Science or mathematics** (Group III)	3 to 5	Science or mathematics** (Group III)	3 to 5
Social studies (Group IV)	3	Social studies (Group IV)	3
Elective	2 or 3	Elective	2 or 3
HPE 101	1	HPE 102	1
	—		—
	15 to 17		15 to 17

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Humanities (Group V)	3	Foreign language (Group II) *	3
Foreign language (Group II) *	3	Literature (Group V)	3
Science or mathematics (Group III)	3 or 4	Science or mathematics (Group III)	3 or 4
Social studies (Group IV)	3	Social studies (Group IV)	3
Major, minor, elective	3	Major, minor, elective	3
HPE 201	1	HPE 202	1
	—		—
	16 or 17		16 or 17

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Humanities (Group V)	6	Humanities (Group V)	3
Social studies (Group IV)	3	Science (Group III)	3
Major, minor, electives	6	Social studies (Group IV)	3
	—	Major, minor, electives	6
	15		—
			15

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Major, minor, electives	16	Major, minor, electives	16

If known, the major or minor may be started in the first year, but selection of the major may be made as late as the junior year except where there is a definite sequence of prerequisites, as in mathematics and the physical sciences. Thus, the curriculum sequence above may be varied considerably in individual cases. Every student, however, must take English in the first year, and health and physical education in the first two years.

*The amount of foreign language credit required depends on high school preparation.

**The first mathematics course taken depends on high school preparation.

The work for the last two years should be planned carefully by the student in consultation with his major adviser and the chairman of the department in which he expects to minor. The program for each semester must be approved by the Dean of the College or the student's adviser. At least 40 hours must be in courses not ordinarily open to freshmen or sophomores.

SPECIFIC REQUIREMENTS FOR THE BACHELOR OF SCIENCE DEGREE

1. The student who entered the College after September, 1963, must complete the group requirements listed below, as nearly as possible in the freshman and sophomore years. The student who registered in the College prior to September, 1963, may choose to follow the requirements in effect at the time of his entry into the College of Liberal Arts.
2. The student must satisfy the requirements for a major area of specialization in biology, chemistry, geology, mathematics, or physics; and a minor area of specialization as outlined on pages 48-54.

GROUP REQUIREMENTS

GROUP I—*English and Speech.* Each student is required to complete English 101 and 102, or 103, or to demonstrate by examination that he has a proficiency in written expression equivalent to that attained by the student who completes these courses. Speech 102 is recommended for all students.

GROUP II—*French, German, Italian, Latin, Russian, Spanish.* Each student is required to demonstrate a proficiency equivalent to completion of French 202, German 202, Italian 202, Spanish 202, Russian 202, or Latin 206. This may be satisfied by: (a) completing the course in college or (b) passing an examination in the language or (c) having completed four years of study of one language in high school or (d) having been graduated from high school where all instruction was conducted in a language other than English.

Credit toward a degree will not be granted for less than 6 hours in 100-level courses in the same language, nor for a 100-level foreign language course which duplicates credit earned in high school. Placement in a college language class beyond the first year will be determined by proficiency examination.

GROUP III—*Biology, Chemistry, Geology, Mathematics, Physics, Psychology.** A student is required to complete a minimum of 45 hours of credit in two or more of these fields, including:

- (a) A major in biology, chemistry, geology, mathematics, physics, or psychology.
- (b) A minimum proficiency in mathematics equivalent to Math. 123.
- (c) Additional courses as required for the major or minor.

GROUP IV—*Economics, Geography, History, Political Science, Psychology, Sociology.* A student is required to complete 12 hours in one or more of these fields.

GROUP V—*Art, Literature, Music, Philosophy, Speech.* Each student must complete 3 hours in literature in English, and 9 additional hours elected from at least two of the following areas: Art 101, art appreciation, art history; American, English, or foreign literature; music appreciation, music literature; philosophy; drama, history of public address.

*Science courses numbered 100 will not apply upon a student's degree requirements if the student also has credit for the introductory laboratory course in the same science.

BACHELOR OF SCIENCE CURRICULUM

The curriculum outlined below includes the group requirements for the Bachelor of Science degree. Adaptations for pre-professional preparation are given on pages 58-74.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101 (Group I)	3	English 102 (Group I)	3
Foreign language (Group II) *	3	Foreign language (Group II) *	3
Science or mathematics** (Group III)	6 or 7	Science or mathematics** (Group III)	6 or 7
Social studies (Group IV)	3	Social studies (Group IV)	3
HPE 101	1	HPE 102	1
	—		—
	16 or 17		16 or 17

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Foreign language (Group II) *	3	Foreign language (Group II) *	3
Humanities (Group V)	3	Humanities (Group V)	3
Science or mathematics (Group III)	5 to 7	Science or mathematics (Group III)	5 to 7
Social studies (Group IV)	3	Social studies (Group IV)	3
HPE 201	1	HPE 202	1
	—		—
	15 to 17		15 to 17

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Humanities (Group V)	3	Science or mathematics (Group III)	3 to 5
Science or mathematics (Group III)	3 to 5	Social studies (Group IV)	3
Major, minor, electives	9	Major, minor, electives	9
	—		—
	15 to 17		15 to 17

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Science or mathematics (Group III)	3 or 4	Science or mathematics (Group III)	3 or 4
Major, minor, electives	12	Major, minor, electives	12
	—		—
	15 or 16		15 or 16

*The amount of foreign language credit required depends on high school preparation.

**The first mathematics course taken in college depends on high school preparation.

If known, the major should be started in the first year and the minor not later than the second. In many cases this will make it necessary to postpone some of the group requirements to the third year. Every student, however, must take English in the first year, and health and physical education in the first two years.

The work for the last two years should be planned carefully by the student in consultation with his adviser, and with the chairman of the department in which he expects to minor. The program card for each semester must be approved by the Dean of the College or the student's adviser. At least 40 hours must be in courses numbered 300 or above.

Major and Minor Patterns for the Degrees of Bachelor of Arts and Bachelor of Science

By the middle of the second year, each student selects a major and a minor subject. The number of hours required for a major or minor varies with departmental requirements, but is at least 32 hours in the major and 20 hours in the minor, except in foreign language, mathematics, psychology, and some of the Arts-Professional curricula. In arranging courses in the minor field, a student should consult the chairman of the department concerned.

Major or minor programs are available in the following departments:

Art	Geology (and Geophysics or Geochemistry)	Music
Biology	German	Philosophy
Business Administration	History	Physics
Chemistry	Home Economics	Political Science
Economics	Journalism	Psychology
English	Latin	Russian (Minor)
French	Library Science (Minor)	Sociology
Geography	Mathematics	Spanish
		Speech

An interdepartmental minor of 22 hours in the area of Recreation may be elected if begun no later than the sophomore year. The program is described on page 53.

An interdepartmental major of 42 hours minimum in American Studies may be elected. No minor is required. Major requirements are listed below and the program is described on page 146.

An interdepartmental major of 45 hours in International Studies may be elected. Work in the major is normally initiated in the junior year, but the student is urged to consult the major adviser as early as the freshman year to complete basic courses and satisfy prerequisites. No minor is required. Major requirements are listed on page 51 and the program is described on page 146.

MAJOR AND MINOR SUBJECTS

The following outlines represent the usual sequences, but these may be modified, upon the recommendation of the department, to meet the needs of the student.

AMERICAN STUDIES. Major (no minor required): This interdepartmental program requires 42 hours minimum, including 6 hours indicated as basic by each of the departments involved: Art 445 and either 448 or 449; English 303, 304; History 205, 206; Philosophy 201, 415; Political Science 201, 202. A second requirement is a field of concentration of 15 hours (including the 6 basic hours) in one of the five departments. An additional 3 hours of the 42 must be devoted to a senior seminar in the department of concentration.

The remainder of the individual program will be made up from electives approved by the American Studies adviser. (See page 146.)

ART. Major: *First year*, Art 101, 103, 112, 145. *Second year*, Art 205, 211, 245; Art 261 or 263; Art 277 and 271 or 273. *Third and fourth years*, 3 hours of art history; electives in art.

Minor: *First year*, Art 101, 103, 112, 145. *Second year*, Art 245, electives in art. *Third and fourth years*, 3 hours of art history; electives in art.

BIOLOGY. Major: Biol. 110, 111, 112 (one or more of these may be waived). *Second year*, core courses as recommended by the department. In addition, a minimum of three hours in botany and three hours in zoology are required. One year or its equivalent of laboratory chemistry is required. The student is encouraged to take organic chemistry and physics.

Minor: *First year*, Biol. 110, 111, and 112. *Second year*, core courses as recommended by the department. In succeeding semesters a minimum of 3 hours in botany and 3 hours in zoology courses. One year of laboratory chemistry is recommended. In choosing electives to complete the minimum of 20 hours, consultation with an adviser in the Department of Biology is recommended.

BUSINESS ADMINISTRATION. Major: *First year*, Acctng. 121, 122. *Second year*, Acctng. 230, Econ. 201 and 202; Statistics 202. *Third year*, Finance 341; Mkt. 300; Econ. 311; Mgt. 350 or 351. *Fourth year*, Bus. Adm. 403 or 405; Bus. Law 315.

Minor: *Second year*, Econ. 201 and 202; Statistics 202. *Third year*, Finance 341; Mkt. 300; Mgt. 350 or 351. *Fourth year*, Bus. Law 315.

A student majoring or minoring in business administration must complete Econ. 311; Mgt. 350 or 351. *Fourth year*, Bus. Adm. 403 or 405; Bus. Law 315.

CHEMISTRY. The following basic courses are required of every chemistry major: Chem. 101 and 102, or 103; 201, 301, 302; 310 (except in the B major). Additional chemistry courses required for each of three levels are listed in the following paragraphs.

The American Chemical Society minimum standards for professional training require Chem. 305, 401, 402, 403, 404, 420, 421, and two advanced courses selected from Chem. 405, 406, 413-414, 430, 501, 502, 503, 504 or Physics 401, 404, or 405, or Math. 407, 409, or 414. To complete this program Physical Chemistry should be taken before the senior year. Math. 233 must be completed along with Physics 201, 202, 308, and two years of German.

A student who wishes to complete a more limited major, but one that will be adequate for advanced study at a later time, should take Chem. 401, 402, 403, 404, and elect other courses from the following list to total at least 38 hours of chemistry: Chem. 405, 406, 413-414, 420, 421, 430. (Chem. 321 may, when necessary, be substituted for Chem. 421.) German or Russian should be selected as the foreign language. Math. 232 is required. (Note: A student who completes Chem. 103 instead of 101-102 may subtract 4 hours from the total chemistry requirement.)

A student who desires a still less rigorous major in chemistry as the basis for a profession other than chemistry or for less technical employment may meet the minimum requirements for a major by completing additional chemistry courses as follows for a total of 32 hours (28 if Chem. 103 and 201 are included): (a) at least one course in physical chemistry (Chem. 352 or 401); (b) other courses selected from Chem. 310, 321, 402, 403, 405 (or 205), 406, 413, 414, 430; (c) at least one 400-level chemistry course.

Minor: *First year*, Chem. 101 and 102 (or 103). *Second year*, Chem. 201; electives in chemistry. *Third and fourth years*, electives in chemistry.

ECONOMICS. Major: *Second year*, Econ. 201 and 202; Statistics 202. *Third and fourth years*, Econ. 311, 401, 403, 471, 473; electives in economics.

Minor: *Second year*, Econ. 201 and 202. *Third and fourth years*, Econ. 311, 401, 403, 471, 473; electives in economics.

A student majoring or minoring in economics must also complete Acctng. 121 and 122 by the end of the sophomore year.

ENGLISH. Major: *First year*, English 101, 102, or equivalent. *Second year*, English 202 and one of the following: English 203 or 204 or 207. *Third and fourth years*, English 301, 303 or 304, 310 or 311, and at least one course from each group below. The student's program must include a minimum of two 400-level courses.

Minor: *First year*, English 101, 102, or equivalent. *Second year*, English 202, and one of the following: English 203 or 204 or 207. *Third year*, English 301, 303 or 304, 310 or 311. *Fourth year*, one 400-level course from each of two groups below, except that English 307 or 380 may be substituted for one of these electives.

Group 1: English 306, 312, 314, 400, 482.

Group 2: English 315, 401, 406, 408, 410.

Group 3: English 316, 317, 318, 415, 416.

Group 4: English 320, 322, 323, 325, 409, 419, 430, 435.

FRENCH. Major: French 313 and 316 plus electives, including a minimum of three 400-level courses, for a total of at least 21 hours beyond French 202.

Minor: French 313 and 316 plus electives for a total of at least 12 hours beyond French 202.

GEOGRAPHY. Major: *First year*, Geog. 102, 110, 111; *second, third and fourth years*, Geog. 211, 331, 410 and (a) one of the following: Geog. 302, 332, 333, 334, 335, 336; (b) three of the following: Geog. 213, 225, 230, 402, 404, 426, 451, 452; (c) elective in geography (any course except Geog. 101, 403, or 471).

Minor: *First year*, Geog. 102, 110, 111; *second, third and fourth years*, Geog. 211, 331, 410, and (a) one of the following: Geog. 302, 332, 333, 334, 335, 336; (b) one of the following: Geog. 225, 230, 313, 402, 404, 410, 426, 451, 452.

A geography major may elect to specialize in cartography. Such a student should also take Math. 123 and 131, and Statistics 202.

A geography major who is interested in economic geography should elect Geog. 225, 402, and 426.

GEOLOGY. Major (B.S.): *First year*, Geol. 101, 102. *Second year*, Geol. 211. *Third and fourth years*, Geol. 303, 308, 309, 316, electives in geology. Geol. 493 taken at Bowling Green (or the equivalent in geology field work with the approval of the staff) also is required. A student majoring in geology for the B.S. degree is required to complete Chem. 101 and 102 or 103; Math. 123; and one year of either biology or physics. A minor in another science or in mathematics is recommended.

A student in this program may elect to specialize in geophysics. Such a student may omit the following from the Bachelor of Science requirements: Geol. 303 and biology. This student would then take mathematics through the calculus; Physics 110, 201, 202, 303, 308. No minor required.

A student in this program may elect to specialize in geochemistry. Such a student may omit the following from the Bachelor of Science requirements above: Geol. 303, 309, and biology. This student would then take mathematics through the calculus; one year of physics; chemistry, 16 hours of courses numbered 200 or above. No minor required.

Major (B.A.): *First year*, Geol. 101, 102. *Second, third, and fourth years*, electives in geology, including Geol. 493.

A minor in English, business administration, economics, library science, or geography is recommended. Some outside science background also is recommended, especially in mathematics.

Minor: Geol. 101, 102, and electives in geology.

GERMAN. Major: 21 hours in courses beyond German 202.

Minor: 12 hours in courses beyond German 202.

HISTORY. Major or Minor: *First year*, Hist. 152, 153. *Second year*, Hist. 205, and 204 or 206. *Third and fourth years*, electives in history chosen in consultation with adviser. Six hours must be chosen from ancient and/or medieval history, although 3 hours of Asian civilization may be substituted in partial fulfillment of the requirement. Three hours must be chosen in American or Latin American history. Each major must write at least one satisfactory term paper on an historical subject before graduation.

HOME ECONOMICS. Major: Core courses in Home Econ. 103, 105, 205, 303, 321, and either a *concentration in foods* consisting of Home Econ. 201, 202, 224, 304, 306, 307, 308 (Home Econ. 311 is a desirable elective,) or a *concentration in clothing* consisting of Home Econ. 101, 104, 203, 204, 207, 225, and 304 or 310.

Minor: Home Econ. 103, 105, 205, 207, 224, 225, 303. Home Econ. 321 is a desirable elective.

A student interested in merchandising, textiles, and house furnishing should take the core courses, a concentration in clothing, and the following recommended courses: Actng. 121; Art 101, 345; Bus. Adm. 102, 303; Econ. 201, 202; Mkt. 300, 410, 430; Psychol. 201; Sociology 201; and Speech 102.

A student interested in interior decoration should take the core courses, a concentration in clothing, and the following recommended courses: Art 101, 112, 345; Home Econ. 306, and as many business administration courses as possible.

A student interested in professional costume designing should take the core courses, a concentration in clothing, and Art 101, 103, 112, 205, and 345.

A student interested in journalism associated with home economics should take a major in home economics and a minor in journalism.

INTERNATIONAL STUDIES. Major (no minor required): An interdepartmental program of 45 hours for the student who is interested in a career in international affairs. The major is comprised of a core program of 27 hours (Econ. 351, Geog. 452, History 205 and 206 or 431 and 432, History 457 and 458, Pol. Sci. 301, 371, and 372), 6 hours of a modern foreign language beyond courses numbered 202, and 12 hours of a specialization in economics, international law, government, and politics; or a foreign area (East and South Asia, Latin America, Middle East and North Africa, Soviet Union, Sub-Saharan Africa, Western Europe, or other approved areas). The electives in the field of specialization are selected in consultation with the major adviser.

The following basic courses are required of majors and should be completed before the end of the sophomore year: History 152, Econ. 201 and 202, Pol. Sci. 201, Geography 101 or 230.

JOURNALISM. Major: *First year*, Journ. 103; a student majoring in journalism should complete Bus. Educ. 111 in the first year unless he has had typewriting in high school, or passes a proficiency test. *Second year*, Journ. 211, 212. *Third and fourth years*, Journ. 301, 302, 304, 310, 325, 401, 412; electives in journalism or from English 207, 208, 307.

Minor: *First year*, Journ. 103. *Second year*, Journ. 211, 212. *Third and fourth years*, Journ. 301, 302; electives in journalism.

LATIN. Major: 21 hours in courses beyond Latin 206.

Minor: 12 hours in courses beyond Latin 206.

LIBRARY SCIENCE. Minor: Lib. Sci. 203, 303, 304, 305, and any two of the following: Library Science 204, 205, 311, 342,* 401, 404, 405, 422,** 427,** 428,** 490, except that a student shall *not* take both 204 and 205. (Total is 18 hours.) A minor in library science is open to all students. It combines well, however, with preparation in such fields as the sciences, business, social sciences, history, and English.

MATHEMATICS. Major: Math. 233, plus 15 hours in courses for which Math. 232 is a prerequisite, including at least one course from each of the following groups: (a) 407, 408, 409, 410; (b) 401, 403, 432; (c) 402, 405, 411, 421. It is strongly urged that at least one two-semester sequence be completed.

A student majoring in mathematics may qualify for the special course sequence leading to graduation with Honors in Mathematics.

A student having an interest in computer science should include Math. 407, 409, 432, 451, and 452 in his course of study.

Minor: Completion of Math. 233, plus 6 hours in courses for which Math. 232 is a prerequisite.

MUSIC. Major—Music Theory: *First year*, Music 101, 102, 107 and 108, and applied music in piano. *Second year*, Music 205, 206, and applied music in piano. *Third year*, Music 304, 305, 306, 403, and applied music in piano. *Fourth year*, Music 315, 316, 318, 409, and applied music in piano.

It will usually require 8 hours in piano to meet the requirements for a major in music theory. In some cases it may require more, or less, according to the technical proficiency of the student. A description of these standards may be obtained from the Director of the School of Music.

Major—Applied Music: *First year*, Music 101, 102, 103, 104, and applied music in chosen instrument or voice. *Second year*, Music 205, 206, and applied music. *Third year*, Music 304, 305, 306, 403, and applied music. *Fourth year*, Music 301 or 318, 409, and applied music.

The requirement for a major in applied music is 16 hours in voice or in one instrument.

Note: Theory and applied music majors are required to participate four semesters in Music 200.

Minor: *First year*, Music 101, 102, 103, 104, and applied music. *Second year*, Music 205, 206, and applied music. *Third year*, Music 305, 306. A student minoring in music must take a minimum of 6 hours in applied music.

PHILOSOPHY. Major: *Second year*, any two of the following courses: Phil. 201 (preferred), 202, or 203 (303). *Third and fourth years*, any three of the following courses: Phil. 310, 311, 312, or 313; 9 hours of philosophy at the 400 level; electives in philosophy.

Minor: *Second year*, one of the following courses: Phil. 201 (preferred), 202, or 203 (303). *Third and fourth years*, any two of the following courses: Phil. 310, 311, 312, or 313; 3 hours of philosophy at the 400 level; electives in philosophy.

*Not open to students with credit for English 342.

**Students who have had Educ. 422 may not enroll for Lib. Sci. 422; students who have had Educ. 427 may not enroll for Lib. Sci. 427; students who have had Educ. 428 may not enroll for Lib. Sci. 428.

PHYSICS. Major: *First year*, Physics 110. *Second year*, Physics 201, 202. *Third and fourth years*, courses from the 300 or 400 level, including Physics 401, to complete a minimum of 32 hours in physics. At least 3 hours in Physics 413 must be included in the fourth year.

Minor: *First year*, Physics 110. *Second year*, Physics 201, 202; or 203, 204. *Third and fourth years*, 10 hours from 300 or 400 level courses in physics.

A student majoring or minoring in physics must take Chem. 101, 102, preferably in the first year, and complete Math. 233 in the second year or in the first semester of the third year. A student majoring in physics also should take Eng. Drwg. 101 unless he has had equivalent work in mechanical drawing in high school.

POLITICAL SCIENCE. Major: Pol. Sci. 101, 400, and three additional hours on the junior-senior level in each of four areas of political science. Credit toward the major will be given for either Pol. Sci. 201 or 202 but not for both. Majors may take six hours of advanced courses in the sophomore year.

Minor: six hours of freshman-sophomore courses, including Pol. Sci. 101, and 14 additional elective hours.

PSYCHOLOGY. *Bachelor of Arts:* Major: 24 hours in psychology and 24 hours in cognate fields in place of a minor in a second department. The 24 hours in cognate fields should be selected from at least three of the following fields and in addition to the Liberal Arts group requirements: biology, chemistry, economics, mathematics, physics, sociology, philosophy.

First year, Psych. 201; *second year*, Psych. 209, 270; *third year*, at least 6 hours chosen from Psych. 310, 311, 312 and electives in psychology; *fourth year*, at least 6 hours chosen from Psych. 403, 407, 408, 470, 490; one other 400 level course.

Bachelor of Science: Major: 30 hours in psychology and 24 hours in cognate fields in place of a minor in a second department. The 24 hours in cognate fields should be selected from at least three of the following fields and in addition to the Liberal Arts group requirements: biology, chemistry, economics, mathematics, physics, sociology, philosophy. The basic group requirements for the B.S. program are on page 46. The Psychology Department departs from these in the following aspects: Group II—only French, German, or Russian are acceptable; Group III, a minimum of 45 hours must be completed in two or more of the fields of biology, chemistry, geology, mathematics, physics, and psychology. No more than 24 hours of psychology may be applied to Group III. Each student must demonstrate proficiency equivalent to completion of Math. 232. Additional preparation in mathematics is advisable for those planning advanced graduate work in psychology. Particularly recommended are Math. 233, 403, 407, 432, 441, and 442. Group IV, psychology courses may not be applied. Group V, courses in logic and the philosophy of science recommended.

Minor: 20 hours in psychology.

RECREATION. Minor only: 22 hours, as follows: Art 343; English 161 or 342 or 421; HPE 123, 204, 301, 322 or 326 or 431; Music 211 or 317; Soc. 201 or Psych. 305; Speech 141 or 202.

Non-starred courses listed above may apply upon a Liberal Arts degree if elected as part of the Recreation minor. The minor should be planned so that only 300- or 400-level courses will be taken in the junior and senior years.

RUSSIAN. Minor only: 12 hours in courses beyond Russian 202.

SOCIOLOGY. Major or Minor: *Second year*, Soc. 201, 206, 230. *Third year*, Soc. 301; electives in sociology. *Fourth year*, electives in sociology; Psych. 270 or equivalent approved by the department is required as part of the major.

A student majoring or minoring in sociology is required to complete Psych. 201 in the second year. Electives are to be chosen upon the advice of the department chairman or adviser. In special cases where the needs of the student require, limited substitution of courses in related social science departments may be permitted in the major requirements.

SPANISH. Major: Spanish 313 and 316 plus electives, including a minimum of three 400-level courses, for a total of at least 21 hours beyond Spanish 202.

Minor: Spanish 313 and 316 plus electives for a total of at least 12 hours beyond Spanish 202.

SPEECH: Core curriculum for a speech major with a concentration in public address, radio and television, or theatre: Speech 102, 141, 202, 203, 223, 261.

A student in public address also is required to take Speech 103, 303, 304 or 305, and 402. Recommended courses: History 205, 206; Pol. Sci. 201, 202; Phil. 203; Speech 110, 212, 214, 310.

A student in broadcasting also is required to take Speech 243, 262, 361, 363, and 368 or 468; Journ. 330. Recommended courses: Lib. Sci. 428; English 207; Journ. 103, 401; Speech 226, 243, 341.

A student in theatre also is required to take Speech 241 or 242; 243; 341; 342; and 347 or 348. Recommended courses: Art 345; Eng. Drwg. 101; English 301, 325, 402; Home Econ. 310; Music 317; HPE 224; Speech 226.

Major—Speech and Hearing Therapy: *First year*, Speech 102; *Second year*, Speech 203, 223, 226, and either 202 or 261. *Third year*, Speech 325, 330, 331, 332, 433. *Fourth year*, Speech 324, 328, 426. Recommended courses: Speech 422, 425, 435.

Minor—General: *First year*, Speech 102, 141. *Second year*, Speech 202, 203, 261. *Third and fourth years*, Speech 423, and electives in speech.

Minor—Speech and Hearing Therapy: *First year*, Speech 102. *Second year*, Speech 203, 223, 226. *Third year*, Speech 325, 330, 331, 332. *Fourth year*, Speech 433.

A student taking a major or minor in speech and hearing therapy must take Psych. 201, 204 in the second year.

REQUIREMENTS FOR THE DEGREE BACHELOR OF FINE ARTS

The requirements for the degree of Bachelor of Fine Arts include completion of the indicated hours of credit from each of five groups or areas of knowledge listed below; completion of 37 hours in basic courses in drawing, design, ceramics, history of art, sculpture, and prints; completion of a major area of specialization in ceramics, design, painting, prints, or sculpture; and the completion of enough additional courses in art to total 60 hours. Programs of study leading to the Bachelor of Fine Arts degree are outlined on pages 55-58.

The student who plans to teach art in the public schools should follow the program on pages 56-58 and register in both the College of Education and the College of Liberal Arts. Completion of this curriculum will qualify the student to receive a teaching certificate in art and the degree of Bachelor of Fine Arts.

GROUP REQUIREMENTS

GROUP I—English and Speech. Each student is required to complete English 101 and 102, or 103, or to demonstrate by examination that he has a proficiency in written expression equivalent to that attained by those who complete these courses. In addition, each student is required to complete Speech 102.

GROUP II—French, German, Italian, Latin, Russian, Spanish. Each student is required to demonstrate a proficiency equivalent to the completion of French 202, German 202, Italian 202, Spanish 202, Russian 202, or Latin 206. This requirement may be satisfied by: (a) completing the course in college or (b) passing an examination in one of the languages or (c) having completed four years of study of one language in high school or (d) having been graduated from high school where all instruction was conducted in a language other than English.

Credit toward a degree will not be granted for less than 6 hours in 100-level courses in the same language, nor for a 100-level foreign language course which duplicates credits used for admission of the student from high school.

GROUP III—Biology, Chemistry, Geology, Mathematics, Physics. Each student must complete 6 hours in one or more of these subjects, at least one semester of which is in a science with laboratory experience. Credit for 100-level science courses will not apply upon this group requirement if the student also has credit for an introductory laboratory course in the same science.

GROUP IV—Economics, Geography, History, Political Science, Psychology, Sociology. Each student must complete 9 hours in one or more of these subjects.

GROUP V—English Composition, Literature (American, English or foreign), Music, Philosophy, Speech Courses in Theatre. Each student must complete 3 hours in literature (American, English, or foreign), and an additional 12 hours from at least three of the areas listed in this group.

ART REQUIREMENTS

Basic Area. Each student is required to complete Art 101, 103, 112, 145, 205, 206, 211, 245, 261, 263, 277; 371 or 373 and two art history electives.

Specialization Area. Each student is required to complete at least 15 hours in ceramics, design, painting (oil, water, or both), prints, or sculpture. Students should consult each semester with instructors in their major areas concerning progress and course sequence. No 100-level course may be applied toward the completion of major art area requirements.

BACHELOR OF FINE ARTS CURRICULUM

CERAMICS, DESIGN, PAINTING, PRINTS, OR SCULPTURE MAJOR

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 101	3	Art 112	3
Art 103	3	Art 145	3
English 101	3	English 102	3
Foreign language*	3	Foreign language*	3
Science elective	3 or 4	Science or mathematics**	3
HPE 101	1	HPE 102	1
	16 or 17		16

*The amount of foreign language credit required depends on high school preparation and the degree sought.

**The first mathematics course taken depends on high school preparation.

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 205	3	Art 206	3
Art 245	3	Art 261	3
Art 263	3	Art 211 or 312	3
Foreign language or elective	3	Foreign language or elective	3
Group IV††	3	Speech 102	3
HPE 201	1	HPE 202	1
	16		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 371 or 373	3	Art 377	3
Art history	3	Major art area	6
Literature elective	3	Group IV††	3
Major art area	3	Group V††	6
Group IV††	3		
Group V††	3		
	18		18

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art history	3	Major art area	3
Major art area	3	Art electives	5
Art elective	3	Non-art electives	7
Non-art elective	3		
Group V	3		
	15		15

††Group requirements are listed on page 55.

SEQUENCE OF MAJOR ART AREAS. Ceramics: *Second year*, Art 263, 264. *Third year*, Art 363, 364. *Fourth year*, Art 463, 464. Painting: *Second year*, Art 271 or 273, and 272 or 274. *Third year*, Art 371 or 373, and 372 or 374. *Fourth year*, Art 471 or 473, and 472 or 474. Prints: *Second year*, Art 277, 278. *Third year*, Art 377, 378. *Fourth year*, Art 477, 478. Sculpture: *Second year*, Art 261, 262. *Third year*, Art 361, 362. *Fourth year*, Art 461, 462.

SUGGESTED ELECTIVES FOR MAJORS IN DESIGN: Bus. Adm. 351, 457; Eng. Drwg. 101, 102; Graphic Arts 308; Ind. Arts 103, 111, 381; Journ. 310. Elective courses not starred must be carried above the minimum requirements of 124 hours for the degree.

BACHELOR OF FINE ARTS CURRICULUM

TEACHER PREPARATION

(CERAMICS, DESIGN, PAINTING, PRINTS, OR SCULPTURE MAJOR)

This is a combined Liberal Arts and Education curriculum which leads to the Bachelor of Fine Arts degree and to certification for the teaching of Public School Art. The program outlined below may be completed in four years by taking 12 hours in summer study. This summer study may be reduced for the student who has had two years or more of high school credit in the foreign language elected in college.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 101	3	Art 112	3
Art 103	3	Art 145	3
English 101	3	English 102	3
Foreign language**	3	Foreign language**	3
Science or mathematics††	3 or 4	Speech 102	3
HPE 101	1	HPE 102	1
	-----		-----
	16 or 17		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 205	3	Art 206	3
Art 245	3	Art 211	3
Art 261	2	Art 263	3
Foreign language or elective	3	Foreign language or elective	3
Major art area	3	Psychology 204 or 302	3
Psychology 201	3	HPE 202	1
HPE 201	1		
	-----		-----
	18		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 312	3	Art 373	3
Art 352	3	Art history elective	3
Art 377	3	Major art area	3
Literature elective	3	Science or mathematics	3
Major art area	3	Philosophy 204	3
Group V*	3	Group IV†	2
	-----		-----
	18		17

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 321	3	Semester of professional concentration	17
Art 343	3		
Art 371	3		
Major art area	3		
Group IV*	3		
Group V*	3		

	18		

**The amount of foreign language credit required depends on high school preparation and the degree sought.

††The first mathematics course taken in college depends on high school preparation.

*Group requirements are listed on page 55. Three hours of credit in art history may be used toward fulfillment of Group V for this degree program.

†Psychology courses may not be used to meet this requirement.

FIFTH YEAR or SUMMER STUDY

Group V*	6
Elective	3
Major art area	3
	—
	12

A student who follows the curriculum on pages 56-58 will register each semester in both the Colleges of Liberal Arts and Education and have his program approved by the appropriate adviser. This program may be continued after the freshman year only with the approval of the Department of Art staff. The student who must take two years of foreign language and follows a program in Aerospace Studies or Military Science will need to take more than the usual time to complete this program.

*Group requirements are listed on page 55. Three hours of credit in art history may be used toward fulfillment of Group V for this degree program.

PRE-PROFESSIONAL PROGRAMS

The College of Liberal Arts provides four kinds of pre-professional programs:

1. *Four-Year Curricula* leading to the bachelor's degree. These curricula are planned to prepare the student for admission to a graduate or professional school for further specialized study. Curricular requirements and liberal arts preparation for some special fields of work are discussed on pages 58-60.

2. *Arts-Professional Curricula* offered in cooperation with the professional schools and colleges of other institutions of higher learning. The student spends three years at Bowling Green before entering a professional school. Upon satisfactory completion of his first year in the professional school, he is granted a bachelor's degree by Bowling Green. These programs are outlined on pages 60-67.

3. *Pre-Professional Preparation*. From two to three years of pre-professional study may be completed at Bowling Green. The student then transfers to a professional school or college. Appropriate programs for certain professions are outlined on pages 67-72.

4. *Combined Curricula*, in which the student may obtain both a liberal arts degree and either an education or business administration degree at Bowling Green. (See page 73.)

The pre-professional programs outlined on the following pages may be modified, with the approval of the adviser and the academic dean, to suit the needs of the individual student and the requirements of specific professional schools. A student who expects to receive a degree by completing one of these curricula must meet all of the requirements for the degree, including major, minor, and group requirements.

1. FOUR-YEAR PRE-PROFESSIONAL CURRICULA PREPARATION FOR BUSINESS

The College of Liberal Arts offers a major or minor in either economics or business administration, leading to the degree of Bachelor of Arts. The student should follow the usual liberal arts curriculum described on page 45. Elective subjects should be selected in consultation with the major adviser. The student interested in a career in business should consult the programs offered by the College of Business Administration.

PREPARATION FOR COLLEGE TEACHING

The student who wishes to prepare for a career in college teaching should plan on attendance at a graduate school. He should bear in mind that many graduate schools require a reading knowledge of French, German, or Russian, or of two of these languages. He may find it advantageous to take the combined Baccalaureate-Master program described below.

The student who is preparing for high school teaching will register in the College of Education. However, if the major and minor are both in academic fields, he will find many advantages in following the combined Arts-Education curriculum described on page 74.

PREPARATION FOR CORRECTIONAL WORK

A student interested in professional training for correctional work may major in sociology or psychology. He should pursue courses in the humanities and sciences as well, and should be willing to consider graduate specialization later. For further information, the student should consult Mr. Balogh, chairman of the Department of Sociology.

PREPARATION FOR ECONOMIC BIOLOGY

Preparation for a career in pest control, public health and sanitation, and various areas of wildlife work should be based on a major in biology with considerable work in chemistry. A minor in business administration or economics may be useful to the student who is interested in the business aspects of pest control. Summer employment opportunities with the pest control industry, the U.S. Fish and Wildlife Service and other Federal agencies, and local or state health units, are available. The Economic Biology curriculum is approved by the Ohio Association of Public Health Sanitarians.

PREPARATION FOR GRADUATE STUDY

All programs of the College of Liberal Arts may be used as preparation for entrance to a graduate school. The student should bear in mind that a reading knowledge of two modern languages chosen from French, German, or Russian is normally required for the doctorate. A knowledge of statistics may be useful.

For early admission to the Graduate School, see page 149.

COMBINED BACCALAUREATE-MASTER PROGRAM

An undergraduate capable of maintaining a 3.0 cumulative average can take his undergraduate degree in the middle of his fourth year by carrying an average of 17 hours for seven semesters, in addition to taking 12 hours of summer school credit. The resulting total of 131 hours is 7 more than the required minimum for the undergraduate degree. These 7 hours might be taken as graduate credit. A candidate for a graduate degree may not become a candidate for a degree in an undergraduate college without the permission of the Dean of the Graduate School.

PREPARATION FOR CAREERS IN HOME ECONOMICS

The College of Liberal Arts provides a variety of programs in home economics for women. The usual liberal arts curriculum is followed, with a major or minor in home economics. A student who is interested in teaching home economics in the school, or in work as an agricultural extension agent, should pursue a program in the College of Education.

PREPARATION FOR LIBRARY WORK

The Bachelor of Arts degree is usually required for admission to a school of library science. A minor in library science is available in the College of Liberal

Arts. The student completing such a minor can obtain a professional degree in library science in one additional year in an approved professional school. The major should be chosen from such fields as English, history, political science, and sociology; for work in special libraries, a major or electives in the sciences may be useful. At least two years each of French and German are strongly recommended.

PREPARATION FOR PROFESSIONAL WORK IN MATHEMATICS AND THE SCIENCES

Professional work in the sciences is available to students with a strong undergraduate degree program. Students whose academic record permits should consider graduate training.

The Department of Chemistry offers a program which meets the requirements of the American Chemical Society for professional recognition of graduates.

PREPARATION FOR PUBLIC ADMINISTRATION

A student should consult with the Department of Political Science or Economics to plan a program of courses in political science, economics, business, and other fields. Usually, the student will major in political science or economics and minor in the other.

PREPARATION FOR RELIGIOUS WORK

Most schools of religion recommend that a student have a broad, general education before starting professional training. The student preparing for this type of work should follow the curriculum described on page 45. The major and minor may be chosen from any area of study. A reading knowledge of at least one foreign language is essential. Electives should be chosen to meet the group requirements and to insure a broad education.

PREPARATION FOR SOCIAL WORK

The student who elects a career in social work may wish to enter graduate school for a professional degree. Opportunities in social agencies are available to the undergraduate who has completed an appropriate program with a major in sociology. A major or minor in sociology may be useful preparation for the student who plans to enter the ministry, personnel work, counseling, or community work of any kind. The Department of Sociology offers course work, including limited field experience, in social work. The interested student should consult the coordinator of the pre-professional work program, Mr. Raymond, of the Department of Sociology.

2. ARTS-PROFESSIONAL CURRICULA

It is strongly recommended that the student who expects to enter a professional college first complete a four-year course in the College of Liberal Arts. Experience has shown that a student with the broad training thus obtained is more likely to be a leader in his chosen profession.

A student may desire, however, to secure the degree of Bachelor of Arts or Bachelor of Science, as well as a professional degree, but may be unable to give the time necessary for the completion of both programs. Therefore, combination Arts-Professional curricula are offered which will enable him to shorten the time required for the two degrees.

The Arts-Business Administration and Arts-Education curricula described on page 73 are given in cooperation with the College of Business Administration and the College of Education.

Other combination curricula are offered in cooperation with the professional schools and colleges of other institutions. These enable the student to shorten the time required for securing the two degrees, by substituting the first year of work in a professional college for the fourth year of the course in liberal arts. These courses vary in length from five to seven years, the first three years being taken in the College of Liberal Arts and the remainder in an approved professional school. Upon the satisfactory completion of the work of the first year in the professional college, the student will be granted the degree of Bachelor of Arts or Bachelor of Science by Bowling Green University.

Permission to graduate from one of these combination curricula must be obtained from the Dean before the end of the junior year. A student in these curricula must:

- a. Earn a minimum of 94 hours of credit either in residence or by advanced standing, including 4 hours in health and physical education,* of which at least 60 hours must have been taken on campus at Bowling Green in the student's last two academic years prior to entering the professional school.
- b. Earn a point average of at least 2.5 in all courses undertaken in residence.
- c. Meet the group requirements of one of the curricula outlined on pages 44 and 46.
- d. Meet the major and minor requirements of the general curriculum selected.

*Reserve Officer Training Corps credit may be used to meet 2 hours of this requirement.

PREPARATION FOR DENTISTRY

Many dental schools advise the student to complete four years of liberal arts study before applying for admission. A student who does this should follow the four-year Pre-Dental curriculum below and choose his electives to meet the major and minor requirements described on page 62. Usually, either biology or chemistry is used as the major and the other as the minor, but other majors and minors are possible.

FIRST YEAR			
<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
Chemistry 101	4	Chemistry 102	4
English 101	3	English 102	3
Foreign language*	3	Foreign language*	3
Mathematics** or Physics 110	2 or 3	Physics 110 or elective†	2 or 3
HPE 101	1	HPE 102	1
---		---	
16 or 17		16 or 17	

*The amount of foreign language credit required depends on high school preparation.

**The first mathematics course taken in college depends on high school preparation. Although mathematics is not required for entrance to most dental schools, completion of Math. 123 is a prerequisite to the required work in physics.

†A student who pursues the three-year Arts-Professional program should take Group IV and Group V requirements in the second year in order to complete them before entering the professional school.

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chemistry 201	4	English literature	3
Foreign language*	3	Foreign language*	3
Psychology 201	3	Physics 204	4
Physics 203	4	Electives†	4 to 6
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	15		15 to 17

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 301	5	Chemistry 302	4
Chemistry 301	4	Group IV	3
Group IV	3	Group V	3
Group V	3	Electives	6
	<hr/>		<hr/>
	15		16

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Group IV	3	Group V	3
Major, minor, electives	12	Major, minor, electives	11 or 12
	<hr/>		<hr/>
	15		14 or 15

*The amount of foreign language credit required depends on high school preparation.

†A student who pursues the three-year Arts-Professional program should take Group IV and Group V requirements in the second year in order to complete them before entering the professional school.

The student who wishes to take three years of pre-dental training should follow the first three years of the four-year Pre-Dental curriculum and elect at least 6 additional hours in biology. This will qualify him for the Bachelor of Science degree with a major in physical science and a minor in biology, as described under the Arts-Professional curriculum on page 60.

PREPARATION FOR LAW

Most approved U.S. law schools require for admission at least three years of general college work. All approved law schools in Ohio require an undergraduate bachelor's degree for admission, regardless of the state in which the bar examination is to be taken. Such a degree is prerequisite to taking the Ohio Bar Examination.

Law schools and lawyers emphasize the value of a broad, general education for the prospective lawyer. They also commonly stress the importance of acquiring certain skills necessary to the study and practice of law (writing and speaking effectively and the ability to reason logically), rather than factual knowledge in any special area of study. Since the student can be assisted in meeting these objectives by course work in a variety of subjects, there is no basis for prescribing a particular curriculum for pre-law students. Courses in English, political science, economics, history, philosophy, accounting, and some work in mathematics and

the physical sciences are commonly mentioned as having special value in preparing for a career as a lawyer. The student should choose his major and minor subjects with these considerations in mind.

PREPARATION FOR MEDICINE

Admission to medical college is selective and is dependent upon scholarship and aptitude, as indicated by the scores attained on the Medical College Admission Test. The student should include in his pre-medical program a course of study which will prepare him for admission to medical school, and for admission to an appropriate graduate school or for an industrial, government, or teaching position, in case his first choice cannot be realized. To meet the requirements for admission to most medical colleges, the Bachelor of Science curriculum outlined on pages 47-48 can be modified to include the required courses and still provide the student with enough depth in at least one area for graduate work in that area, or for career opportunities if he should not attend medical school. Since medical schools generally expect about twice as much preparation in chemistry as in biology, and lesser amounts in physics and mathematics, most students elect a major in chemistry and a minor in biology. However, some students may want to reverse this order or elect a major in mathematics or physics.

The pre-medical student is urged to confer frequently with his adviser, particularly with respect to planning prerequisite courses for the Medical College Admission Test, and in meeting the admission requirements of the medical school of his choice. Each applicant to a medical school is assisted by the Pre-Professional Recommendation Committee at the time of making applications.

PRE-MEDICAL CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chemistry 101 or 103	4	Chemistry 102 or 201	4
English 101	3	English 102	3
Mathematics	3 or 5	Mathematics	3 or 5
Foreign language *	3	Foreign language	3
Physics 110** or elective	2 or 3	Physics 110** or elective	2 or 3
HPE 101	1	HPE 102	1
<hr/>		<hr/>	
16 to 19		16 to 19	

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
Chemistry 201 or mathematics	4 or 5	Biology 112	3
Foreign language	3	English literature or	
Physics 203	4	Chemistry 201	3 or 4
HPE 201	1	Foreign language	3
		Physics 204	4
		HPE 202	1
<hr/>		<hr/>	
15 or 16		17 or 18	

*The amount of foreign language credit required depends on high school preparation.

**Math. 123 or equivalent must be taken prior to Physics 110.

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 251 or elective	3	Chemistry 302	4
Chemistry 301	4	Chemistry 352†	4
Group IV, V, or electives	8	Group IV, V, minor, or electives	7
	15		15

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chemistry 401	3	Chemistry 402	3
Chemistry 403	1	Chemistry 404	1
Group IV, V, minor, or electives	11	Chemistry 405	5
	15	Group IV, V, electives	6
			15

†Credit will not be allowed for both 300- and 400-level physical chemistry courses.

PREPARATION FOR MEDICAL TECHNOLOGY

The requirement for this profession is from three to four years of basic college work, followed by at least 12 months of laboratory training in an approved medical technology school or hospital. A high scholastic average usually is required. Pre-professional training should include biology, general chemistry, quantitative analysis and organic chemistry. Physics is highly recommended.

Because many schools require a degree for entrance, the student is advised to take four years of basic college work. The curriculum outlined on pages 47-48 leads to the degree of Bachelor of Science with a major in biology and a minor in chemistry. Other majors and minors are possible with the approval of the adviser.

The Arts-Professional program, leading to the Bachelor of Science degree with three years at Bowling Green, followed by satisfactory completion of the year in medical technology and certification of successful attainment in the examination of the Registry of Medical Technologists, requires formal approval of the Dean prior to entering the professional school. To be eligible for this program, a student must complete six semesters (at least 94 hours) in an approved program at Bowling Green with a cumulative point average of at least 2.5. The year of professional work must be taken in a school of medical technology with which Bowling Green University is affiliated, or which is specifically approved. Up to 30 hours of credit may be transferred from the professional school to apply toward the degree; of these 12 hours may be used toward a college major or minor in biology and 3 to 5 hours toward a major or minor in chemistry. Grades of less than C cannot be transferred.

A student sometimes may be admitted to a school of medical technology at the end of three years of college work without qualifying for the Arts-Professional program, but he will not be eligible for a bachelor's degree without further college credits.

PRE-PROFESSIONAL MEDICAL TECHNOLOGY CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
Chemistry 101	4	Chemistry 102	4
English 101	3	English 102	3
Foreign language*	3	Foreign language	3
Mathematics** or Physics 110	2 or 3	Physics 110 or elective†	2 or 3
HPE 101	1	HPE 102	1
<hr/>		<hr/>	
16 or 17		16 or 17	

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 205	3	Biology 206	3
Chemistry 201	4	English literature	3
Foreign language	3	Foreign language	3
Physics 203††	4	Physics 204††	4
HPE 201	1	Group IV	3
		HPE 202	1
<hr/>		<hr/>	
15		17	

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 311	4	Biology 419	4
Chemistry 301	4	Chemistry 302	4
Group IV	3	Chemistry 352	4
Group V	3	Group IV	3
Elective‡	2 or 3		
<hr/>		<hr/>	
16 or 17		15	

*The amount of foreign language credit required depends on high school preparation.

**The first mathematics course taken in college depends on high school preparation. The equivalent of Math. 123 is a prerequisite for beginning the physics sequence.

†The student who pursues the three-year Arts-Professional program should complete all group requirements prior to entering the professional school, by using electives for this purpose wherever possible in the first three years.

††Required if a degree is expected.

‡The student following the combined Arts-Medical Technology program with an affiliated school of medical technology will qualify for a major in biology by taking one course in addition to those listed above, and completing the medical technology course; or he may meet the requirement for a major in chemistry. The student planning to take his bachelor's degree before entering the course in medical technology may complete a major in biology by electing a minimum of 11 hours from 300- and 400-level biology courses, or he may take a major in chemistry.

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Group IV	3	Chemistry 405 or elective	5 or 3
Major, electives‡	12	Group V	3
		Major, electives‡	9
	<hr/>		<hr/>
	15		17 or 15

‡See footnote on previous page.

To provide a coordinated Arts-Medical Technology program, the College of Liberal Arts is affiliated with the following schools of medical technology: St. Rita's Hospital, West High at Baxter Street, Lima, Ohio 45807; The Toledo Hospital, North Cove Boulevard, Toledo, Ohio 43606; University Hospitals of Cleveland, Institute of Pathology, 2085 Adelbert Road, Cleveland, Ohio 44106; The Youngstown Hospital Association, Youngstown, Ohio 44504. Information concerning the programs may be obtained from the Director of each of these Schools for Medical Technology, or from the Dean, College of Liberal Arts at Bowling Green.

PREPARATION FOR PHYSICAL THERAPY

Some approved schools for physical therapy offer a four-year program and admit the student upon graduation from high school. Other schools offer two-year and one-year courses. The minimum requirements for admission to a two-year program are two years (60 hours) in an accredited college. The work must include a year of biology and a year of either chemistry or physics. The requirement for admission to a one-year physical therapy course is three years (90 hours) of college, including two years of biology and a year each of chemistry, physics, and psychology. A good scholastic record also is necessary.

A student preparing to meet these requirements at Bowling Green is advised to follow the curriculum outlined below. By a proper choice of electives in the third year, a student can meet the requirements for the Bachelor of Science degree under the combined Arts-Professional plan described on page 60. To pursue such a program, the student must secure formal approval by the Dean at least one semester prior to taking his last work at Bowling Green. Biology and psychology usually should be used as the major and minor. Formal approval by the Dean is required prior to entering the professional school for this coordinated degree program.

PRE-PROFESSIONAL PHYSICAL THERAPY CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
Chemistry 101 or 111	4 or 3	Biology 112	3
English 101	3	Chemistry 102 or 112	4 or 3
Math 123	3	English 102	3
Speech 102	3	Physics 110	2
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	17 or 16		16 or 15

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 205	3	Biology 308	4
Foreign language*	3	Foreign language*	3
Literature course in English	3	Psychology 204	3
Psychology 201	3	Psychology 209	3
Sociology 201	3	Sociology 202	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	16		17

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Foreign language*	3	Foreign language*	3
Physics 203	4	Physics 204	4
Psychology 305	3	Psychology 460	3
Group V	3	Group V	6
Elective†	3		
	<hr/>		<hr/>
	16		16

FOURTH YEAR

The student may enter professional school at the end of the third year, or remain at Bowling Green and complete the bachelor's degree before continuing his professional education.

*The amount of foreign language required depends on high school preparation. The equivalent of two academic years in the same language is required for a degree.

†The student who pursues the three-year Arts-Professional program should complete all group requirements prior to entering the professional school, by using electives for this purpose whenever possible in the first three years.

3. PRE-PROFESSIONAL PREPARATION
PREPARATION FOR ENGINEERING

Many engineering schools follow a five-year program leading to an engineering degree. The courses offered at Bowling Green closely parallel those of most engineering schools during the first year. By careful selection of electives during the second year, a student can very profitably spend two years studying here without lengthening the time required to obtain a degree in engineering. The two-year curriculum outlined below is planned for the student who expects to transfer to a college of engineering at the end of two years.

Since the requirements in different colleges and in different fields of engineering vary considerably, the student should plan his schedule to meet the requirements of the institution and branch of engineering in which he expects to receive his degree.

A student who enters from high school with less than 2 credits in algebra and no credit in geometry must make up that deficiency immediately, and will, therefore, probably not be able to complete the curriculum below in two years. Any student who does not have a better than average aptitude for mathematics and quantitative reasoning should consider not entering the Pre-Engineering curriculum.

PRE-ENGINEERING CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chemistry 101	4	Chemistry 102	4
Engineering Drawing 101†	3	Engineering Drawing 102†	3
English 101	3	English 102	3
Mathematics 123*	3	Mathematics 131	5
Physics 110	2	HPE 102	1
HPE 101	1		
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Economics 201	3	Economics 202	3
Mathematics 232	5	Mathematics 233	3
Physics 201	5	Physics 202	5
Elective	3	Physics 205	3
HPE 201	1	Elective	3
	<hr/>	HPE 202	1
	17		<hr/>
			18

†A student with two years of Engineering Drawing in high school should take Eng. Drwg. 102 and 103.

*The mathematics sequence in this curriculum is based upon a high school background of three years of mathematics with good grades. Less high school preparation may require taking remedial work, thus lengthening the time required to complete the program.

ARTS-ENGINEERING PROGRAM

Bowling Green does not offer the specialized engineering courses needed for an engineering degree. However, all of the basic science and general education courses required in an engineering curriculum are available, and credit for them may be transferred to an engineering school. A student who wishes to earn a Bachelor of Science degree from Bowling Green, in addition to an engineering degree, may do so by meeting the requirements for the Arts-Professional program as outlined on page 60. Under this plan, the student will attend this University for approximately three years and then enter the selected engineering school, from which credits will be transferred to complete the requirements for the Bowling Green degree, usually at the end of the first year in engineering school. This might extend the usual five years necessary to earn the engineering degree by one semester or several summer sessions, but the additional college work and degree would represent valuable accomplishments for the student.

Because of the differing specialized needs of the several branches of engineering, each student's program under the Arts-Engineering plan will have to be planned individually almost from the beginning, to assure coordination with the engineering school curriculum. The program for the first two years is similar to that listed above, and the third year would be planned for each student in cooperation with the chosen engineering school, where advance judgment about admission should be secured.

The Arts-Engineering plan will be considered in conjunction with any engineering school. The following Colleges of Engineering have indicated their willingness to design plans for individual students: Michigan State University, Purdue University, New York University, Ohio Northern University, University of Michigan.

PREPARATION FOR NURSING

Schools of nursing may be classified according to whether their programs lead to a diploma or to a college degree. License to practice as a registered nurse is obtained by passing a state examination. College work is not usually required to enter a diploma school of nursing, although it may be encouraged. Schools of nursing with degree programs usually require a year or two of college work for admission. A pre-nursing student should ascertain the requirements of the school she plans to enter as early as possible. A list of accredited schools of nursing may be obtained from the National League for Nursing, 10 Columbus Circle, New York, New York 10019.

PRE-NURSING CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
Chemistry 111 or 101	3 or 4	Chemistry 112 or 102	3 or 4
English 101	3	English 102	3
Electives or special requirements*	6	Electives or special requirements*	6
HPE 101	1	HPE 102	1
	-----		-----
	16 or 17		16 or 17

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Psychology 201	3	Psychology 204	3
Sociology 201	3	Sociology 202	3
Electives or special requirements*	9	Electives or special requirements*	9
HPE 201	1	HPE 202	1
	-----		-----
	16		16

*The electives will normally be chosen from the areas of literature, philosophy, foreign language, the social sciences, and mathematics. Special requirements will depend upon the school and upon the degree to be sought.

PREPARATION FOR OCCUPATIONAL THERAPY

Occupational therapy, an auxiliary medical service in which normal activities are used as remedial treatment in the rehabilitation of patients, is being used increasingly in hospitals, schools, rehabilitation centers, and related institutions. Such therapy is prescribed by physicians and applied by the trained therapists as part of the treatment for adults and children in the areas of orthopedics, psychiatry, tuberculosis, and general medicine and surgery. The demand for registered occupational therapists so exceeds the supply that excellent opportunities exist for those who are professionally trained.

The student should follow the first two years of the Bachelor of Science program (page 47). A student planning to attend Ohio State University should include Art 101 and 112 as electives.

In preparing for a career in occupational therapy, the student will complete two years of pre-professional courses, two years of academic instruction in an approved professional school, and 10 months of clinical training.

PREPARATION FOR OPTOMETRY

Requirements for admission to the schools and colleges of optometry vary. Typically, they include courses in English, mathematics, physics, chemistry, and biology. Requirements of specific schools should be examined before taking courses for transfer to them. A list of accredited schools and colleges of optometry in the United States can be obtained from the American Optometric Association, 2808 Clark Avenue, Cleveland 44109. The following two-year pattern will coordinate with the program of the School of Optometry of Ohio State University.

PRE-OPTOMETRY CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
Chemistry 101	4	Chemistry 102	4
English 101	3	English 102	3
Mathematics 123*	3	Physics 110*	2
Foreign language**	3	Foreign language**	3
HPE 101	1	HPE 102	1
	17		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chemistry 203	4	Chemistry 205	4
Mathematics 131	5	Physics 204	4
Physics 203	4	Foreign language**	3
Foreign language**	3	Elective	3
HPE 201	1	HPE 202	1
	17		15

*All schools of optometry require physics, but some require no mathematics beyond that needed for physics. Physics 110 has a prerequisite of Math. 123. The student who is not prepared to begin his college mathematics with Math. 123 may have to attend Summer School or extend his pre-professional program beyond two years.

**The amount of foreign language to be taken will depend on the requirements of the professional school and high school preparation. Students who do not need foreign language courses should substitute those courses which meet the requirements of the professional school they plan to enter. History 152 and Biology 251 are recommended for those who plan to enter the School of Optometry of Ohio State University.

PREPARATION FOR OSTEOPATHY

Since the requirements and recommendations for entrance to schools of osteopathy are essentially the same as those for medical school the student is referred to pages 63-64.

PREPARATION FOR PHARMACY

All accredited colleges of pharmacy now require five years of study to qualify for the pharmacy degree. Two years of the five-year requirement may be satisfied at this University by completing the Pre-Pharmacy curriculum outlined below. The state boards of pharmacy usually require a period of practical experience in pharmacy. The student should request information concerning requirements for a certificate to practice pharmacy from the board of pharmacy in the state in which he will practice. In Ohio this information may be obtained from the Secretary, State Board of Pharmacy, Wyandotte Building, West Broad Street, Columbus 43215.

Since colleges of pharmacy vary in their requirements, a pre-pharmacy student should ascertain the requirements of the school he plans to enter before he selects the courses for the second year. The program outlined below will prepare the student for transfer to the College of Pharmacy at Ohio State University.

A list of accredited colleges of pharmacy may be obtained from the American Association of Colleges of Pharmacy, 1507 M Street N.W., Washington, D.C. 20005.

PRE-PHARMACY CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
Chemistry 101	4	Chemistry 102	4
English 101	3	English 102	3
Mathematics 123	3	Physics 110*	2
Elective**	3	Elective	3
HPE 101	1	HPE 102	1
	17		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 112	3	Physics 204	4
Physics 203	4	Chemistry 302	4
Chemistry 301	4	Electives**	6
Economics 201	3	HPE 202	1
HPE 201	1		
	15		15

**Electives normally will be chosen from the social sciences, literature, and philosophy.

* Physics 110 has a prerequisite of Math. 123. The student who is not prepared to begin his college mathematics with Math. 123 may have to attend Summer School or extend his pre-professional program beyond two years.

PREPARATION FOR VETERINARY MEDICINE

Colleges of veterinary medicine require two years of pre-veterinary medical work for admission; however, many students are advised to apply after a third year of work or after securing a bachelor's degree. The two-year pre-veterinary medical program which follows is typical, but colleges of veterinary medicine vary greatly in their requirements. The student should obtain information as early as possible about the requirements of the school where he plans to transfer. A list of accredited colleges of veterinary medicine in the United States can be obtained from the American Veterinary Medical Association, 600 South Michigan Avenue, Chicago, Illinois 60605.

The College of Veterinary Medicine of Ohio State University requires for admission courses in animal husbandry and related areas which cannot be taken at Bowling Green. It is possible for the student who plans a three year pre-veterinary medical program to defer them temporarily by substituting advanced biology courses, but it may be more advantageous for the student to transfer after one year to the Agriculture-Veterinary Medicine Program at Ohio State University.

PRE-VETERINARY MEDICAL CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
Chemistry 101	4	Chemistry 102	4
Mathematics 123	3	English 102	3
English 101	3	Physics 110*	2
Elective**	3	Elective	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	17		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 251	3	Chemistry 205	4
Chemistry 203	4	Physics 204	4
Physics 203	4	Electives**	6
Elective**	3	HPE 202	1
HPE 201	1		
	<hr/>		<hr/>
	15		15

**Electives should be chosen to meet the requirements of the college of veterinary medicine to be entered.

*Physics 110 has a prerequisite of Math. 123 completed or taken concurrently. The student who is not prepared to begin his college mathematics with Math. 123 may have to attend Summer School or extend his pre-professional program beyond two years.

4. COMBINED CURRICULA

ARTS-BUSINESS ADMINISTRATION

The student who desires to qualify for a degree in the College of Business Administration as well as in Liberal Arts may do so by meeting the following conditions:

- a. Secure permission of the Deans of both colleges before the end of the junior year, and register thereafter in both colleges.
- b. Maintain a cumulative point average of 3.0 or better.
- c. Complete the requirements of both colleges for the degrees sought.
- d. Earn at least 144 hours of undergraduate credit.

Before pursuing such a dual-degree program, the student is urged to explore the possible advantages of securing admission to the Graduate School and beginning work toward a graduate degree in the additional hours of registration beyond the 124 hours required for an undergraduate degree. See page 59 for a description of the Baccalaureate-Master program.

ARTS-EDUCATION CURRICULUM

The student who desires to take a liberal arts degree and qualify for certification to teach in the public schools may (1) take his work in Education after graduation, or (2) qualify for the combined degree program outlined below. For the combined degree, the student will register in both the Colleges of Education and Liberal Arts, as soon as he is eligible on the basis of cumulative point average, and will plan his undergraduate curriculum to meet the requirements for degrees in both colleges.

The student in the dual-degree program leading to the Bachelor of Arts or Bachelor of Science degree from the College of Liberal Arts and the Bachelor of Science in Education degree from the College of Education must:

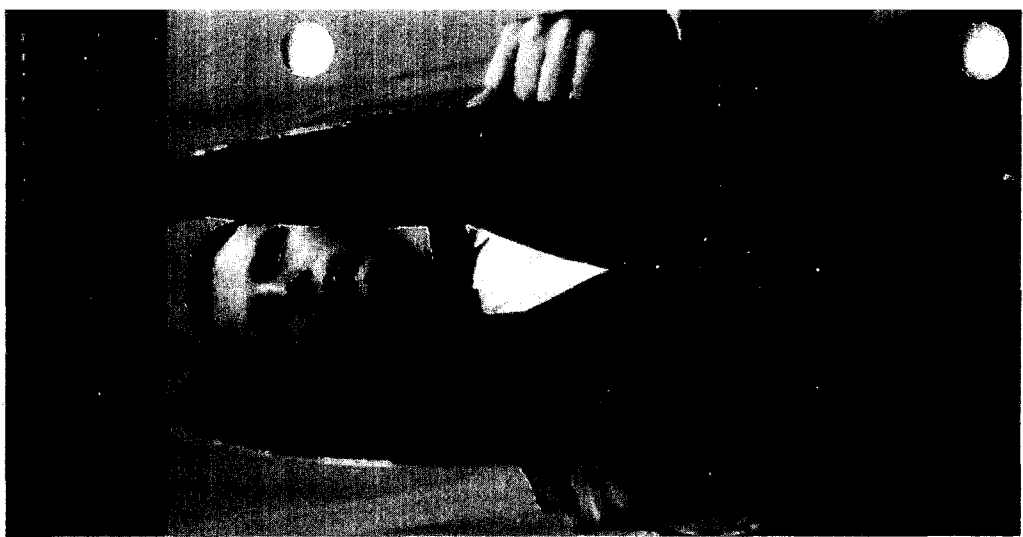
- a. Secure permission of the Deans of both colleges before the end of the junior year.
- b. Maintain a cumulative point average of 3.0 or better, based upon at least two semesters of work at Bowling Green.
- c. Complete the requirements* in both colleges for the degrees sought.
- d. Earn at least 144 hours, including the course or courses in teaching methods.

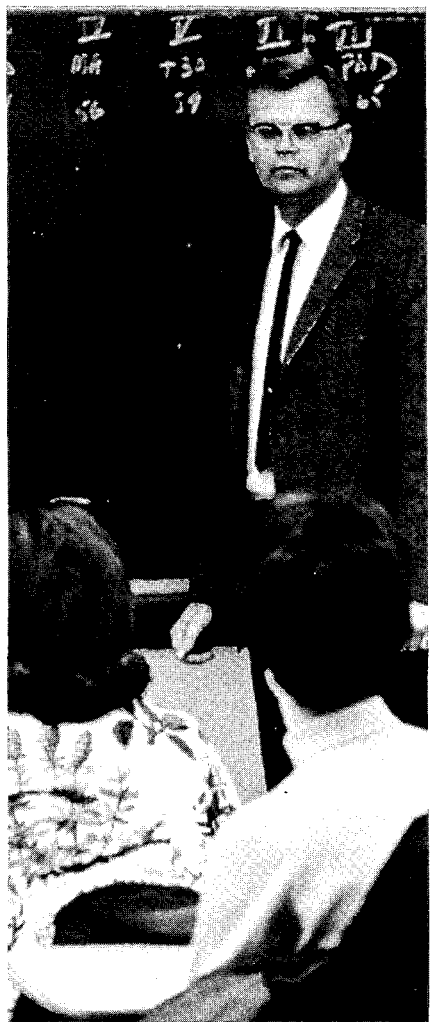
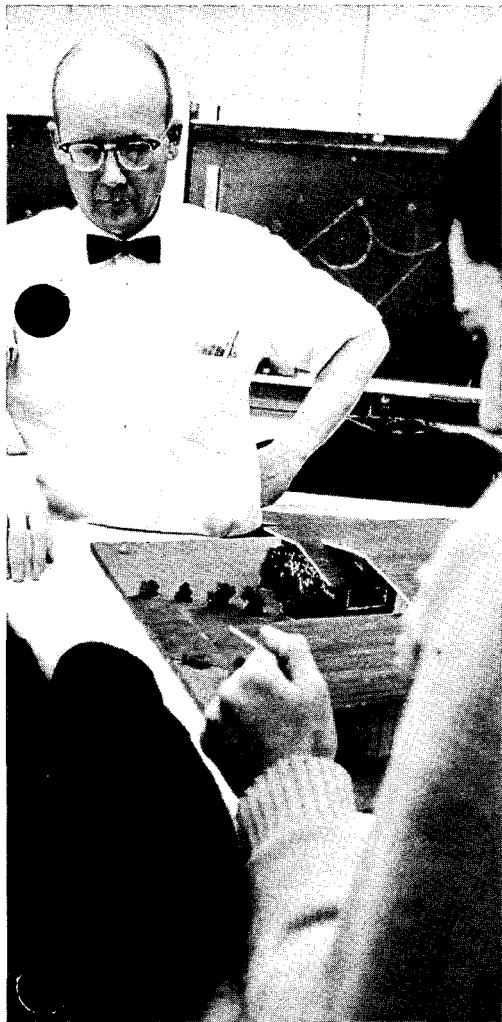
By careful selection of electives, the program in both colleges can be completed in eight semesters plus one summer. The superior student may increase the number of subjects to be carried each semester and complete the program in less time.

*See pages 43-47 and 79-85.

COLLEGE OF EDUCATION







THE COLLEGE OF EDUCATION

THEODORE J. JENSON, Ph.D., *Dean*
DAVID G. ELSASS, Ed.D., *Assistant Dean*
VERGIL K. ORT, Ph.D., *Assistant to the Dean*

ADVISORY AND POLICY COUNCIL

WESLEY A. ERBE, ‡ <i>Vice Chairman</i>	CLIFFORD A. LONG
WILLIAM N. HARRIS, <i>Vice Chairman-elect</i>	HARVEY D. MINER
AMY TORGERSON, <i>Secretary</i>	JOSEPH S. NEMETH
J. RUSSELL COFFEY	FREDERICK L. PIGGE
STUART R. GIVENS	LOUISE F. REES
AGNES M. HOOLEY	MARY E. WHITNEY
ARTHUR S. HOWARD	DORIS K. WILLIAMS
LAURA D. KIVLIN	RALPH L. BECK, <i>Past Vice Chairman</i>
	THEODORE J. JENSON, <i>Ex-officio</i>

CURRICULUM COMMITTEE

JAMES E. ODENKIRK, <i>Chairman</i>	FREDERICK L. PIGGE
SALVATORE J. ATTINELLO	VICTOR E. REPP
IRVIN H. BRUNE	MARY A. WATT
ROBERT W. HOHN	LAURA WILSON
	DAVID G. ELSASS, <i>Ex-officio</i>

SECONDARY EDUCATION COMMITTEE

DAVID G. ELSASS, <i>Chairman</i>	MEARL R. GUTHRIE
SAM D. ANDREWS	ROBERT J. KEEFE
RAYMOND J. ENDRES	VERLIN W. LEE
	HAROLD E. SKINNER

SELECTION AND SCREENING COMMITTEE

LORRENE L. ORT, <i>Chairman</i>	WILLIAM N. HARRIS
SAM D. ANDREWS	LUCILLE G. HAGMAN
M. LEE GODDARD	VERGIL K. ORT
	ANTHONY SAVILLE

STUDENT TEACHING ADVISORY COMMITTEE

LORRENE L. ORT, <i>Chairman</i>	ANTHONY SAVILLE
DOROTHY E. MOULTON	AMY R. TORGERSON
	THEODORE J. JENSON, <i>Ex-officio</i>

‡First semester 1966-67.

AIMS AND PURPOSES

The function of the College of Education in the general program of the University is to provide pre-service education for teachers and applied music majors. The College believes that these needs can best be served by providing concurrently for the students:

1. A program of general education designed to develop the knowledge, understandings, skills, abilities, and attitudes which are the common possessions of educated persons as citizens in a free society.
2. Advanced study in one or more areas of interest.
3. A program of professional educational experiences.

To make possible the realization of these objectives, the College of Education maintains a close working relationship with the other colleges of the University in matters pertaining to curricular offerings, and with the public schools of Bowling Green and northwest Ohio for laboratory facilities.

DEGREES OFFERED

- Bachelor of Music
- Bachelor of Science in Education

GENERAL REQUIREMENTS FOR THE DEGREE

In addition to the specific requirements listed on the following pages, a candidate for any degree must fulfill these general requirements:

- a. Earn a minimum of 124 hours of credit, including 4 hours in health and physical education. (Reserve Officer Training Corps credit may be used to meet 2 hours of this requirement.)
- b. Complete in residence at least 30 hours of credit immediately preceding graduation.
- c. Complete 40 or more hours of credit in courses numbered 300 and above.
- d. Have a cumulative point average of at least 2.0 in all courses undertaken.
- e. Meet the requirements for the degree listed in the following pages pertaining to curricula, prerequisites, laboratory experiences, personal fitness and other regulations. Responsibility rests with the student in meeting these requirements.

A candidate for graduation must file an *Application for Graduation* with the Registrar no later than the first week of his final semester or summer session. Application blanks for this purpose and for Ohio teacher certification may be obtained at the Registrar's Office.

A candidate for graduation must file credentials of personal data with the Placement Office not later than the second week of his final semester or summer session.

GROUP REQUIREMENTS

To insure a general education background, in addition to a reasonable degree of specialization, a student is required to complete the hours of credit from each

of the four areas of knowledge indicated below as group requirements. Insofar as possible, group requirements should be completed during the freshman and sophomore years.

GROUP I—Composition, Literature, and Speech. Each student must complete English 101 and 102, or 103, a literature course in the English Department, and Speech 102. A student who receives a grade of C or better in English 101 will be considered as having demonstrated acceptable performance in English skills. A student not receiving a grade of C or better in English 101 may repeat the course until he meets the requirements. Furthermore, the student is required to present evidence of freedom from speech defects, as certified by the Department of Speech.

GROUP II—Science and Mathematics. Each student must complete 12 hours of credit in course work selected from the areas of biology, chemistry, physics, geology, mathematics, and Geography 110, 111, and 313. He should have some course work in at least two sciences or a science and mathematics. Math. 241 and 242 are applicable only for elementary education majors.

GROUP III—Social Sciences. Each student must complete Sociology 201 and an additional 9 hours in social science. Courses may be selected from the areas of economics, geography, history, political science, and sociology. He should have course work in at least two social science courses.

GROUP IV—Fine and Applied Arts. Each student is required to complete 6 hours of credit in one or more of the following fields: art, business education, crafts, drama (including radio, television), foreign language, home economics, industrial arts, library science, literature (in addition to that in Group I), modern dance, music, and philosophy. No college credit is allowed for less than one year of a foreign language.

BACHELOR OF SCIENCE IN EDUCATION

A student who meets the requirements for graduation in one of the four-year curricula in the College of Education is granted the degree of Bachelor of Science in Education. A candidate for a degree must meet the following requirements for graduation:

PROFESSIONAL REQUIREMENTS

The required professional courses parallel the general education and the major-minor subject-matter emphasis during the first three years of the student's program. Such course work is supplemented with directed observations and participation in a school situation, case studies of children, and community-field project activities.

One semester of the senior year is devoted to professional concentration in education, which includes student teaching. During this period, the student devotes full time to participation and teaching under the guidance of a supervising teacher and campus staff members.

To supplement the professional subjects and their related laboratory contacts, two types of experience are required of each student. The first type involves *work experience* with children outside a school situation. The second type is in the nature of a *teacher-assistant experience*.

Work Experience. This can be a single experience or a variety of experiences. It may be secured in group or individual situations that involve working with and giving leadership to such group activities as Boy Scouts, Girl Scouts, 4-H Clubs, Camp Fire Girls, youth groups, Sunday School teaching, church, playground and recreational activities, story-hour groups, baby-sitting, and various other such activities.

Teacher-Assistant Experience. This involves participation by the student in a local school program of activities found in a typical school year. The teacher-assistant experience should be obtained directly preceding the student's return to college for his junior year or during that year. The length of the experience will depend on the local situation in the school system of the student's choice. A minimum of one week of volunteered service is required. Forms are obtained from the Office of the Director of Student Teaching, and arrangements are completed by each student.

STUDENT TEACHING PROGRAM

Student teaching is regarded as the culminating experience in the student's program of teacher education. For this reason, it is reserved for the last year of the student's work on the campus.

ELIGIBILITY FOR SEMESTER OF PROFESSIONAL CONCENTRATION WHICH INCLUDES STUDENT TEACHING

To be eligible for an assignment in student teaching the student must:

1. Have completed 90 hours of college credit, including the prerequisite professional courses, and be in good standing.
2. File an application for student teaching with the Director of Student Teaching not later than the first month of the semester preceding anticipated student teaching.
3. Possess a cumulative point average of 2.0 in all work undertaken and 2.25 in the major field. He must meet this standard for one semester prior to his teaching assignment.
4. Demonstrate acceptable performance in oral and written English. (See Group I requirement, page 80.)
5. Present evidence of freedom from speech defects.
6. Present evidence of physical fitness. During the semester preceding student teaching a student must report to the Health Service for a physical examination.
7. Give evidence of good moral character, desirable personality traits, and professional attitudes. Student Teaching may be deferred by the Dean and upon the recommendation of the Selection and Screening Committee of the College of Education.
8. Present evidence of having completed 60 hours of work experience with children and laboratory experience of the types designated above.
9. Present evidence of having participated in a teacher-assistant experience.

Student teaching is provided in a semester of professional concentration. During one phase, the student is assigned to one situation for a full-time experience. Here he progresses from observation and directed participation to full-time responsible teaching. The student is guided in studies of child development, specific teaching skills, and planning a balanced program of learning situations. He is encouraged to participate in all curricular, extracurricular, and professional activities of the school.

A student in physical education, music, or art ordinarily teaches in both elementary and secondary schools. Programs for the student in public school music

are individually planned to give proper balance or concentration on vocal or instrumental experience.

OTHER REQUIREMENTS

All other requirements (in addition to the major, minor, and group requirements) are indicated in the respective curriculum outlines, and in supplementary directive sheets which are made available to the student.

Requirements pertaining to certificates for teaching are based on Section 3319.22 of the Revised Code of Ohio Statutes and regulations of the State of Ohio Department of Education.

LABORATORY FACILITIES

The resources of the public school system of Bowling Green are available to the University for observation, junior experience, and student teaching. In addition, the University has a cooperative agreement for student teaching in nearby communities, greater Toledo, Sandusky, and metropolitan Cleveland areas. The student is assigned to a school in one of these communities on a full-time basis.

This cooperation of the immediate school community and of many schools in the area offers a realistic and educationally sound opportunity to student teachers.

CERTIFICATION REGULATIONS

Upon completion of the degree program, and on recommendation of the Dean of the College of Education, the student is entitled to an Ohio Provisional Certificate to teach in the field or fields of his preparation. Ohio teaching certificates are not transferable to other states. A student who plans to teach in another state is expected to assume responsibility for selection of subjects which will meet certification requirements in that state.

Two kinds of certificates for teaching in the Ohio public elementary schools are available to the graduate of an approved curriculum. One is valid for Grades 1 to 8 in elementary schools. The other certificate, for Kindergarten-Primary, is valid for teaching in Kindergarten and in Grades 1 to 3.

An applicant for the Provisional Elementary or Kindergarten-Primary certificate is required to complete the curriculum outlined on page 83. A student desiring the Kindergarten-Primary certificate is required to do his student teaching on the kindergarten or primary level, and to complete Educ. 242, 357.

The elementary education curriculum also is designed to serve the needs and interests of the student who wishes to qualify for both the elementary and secondary certificates. A student who desires this program of *dual certification* must complete, in addition to the elementary curriculum outlined on page 83, a major or two minors as a part of the four-year program. The sequence of courses for the major and minor areas is listed on pages 85-89. Certification for the dual program is applicable only for teaching in Ohio.

A student who wishes certification for the teaching of slow learning children should follow curriculum listed on page 99. The completion of the curriculum entitles the student to the Ohio Provisional Special Certificate for the Teachers of Slow Learning Children.

A student desiring both a Provisional Elementary Certificate and the Special Certificate for Teachers of Slow Learning Children should follow the regular elementary pattern, complete the 15 hours in the latter major, and complete 134 hours for graduation.

A student with interests confined to high school teaching should follow curriculum specifications which begin on page 84.

The teaching fields for which a student may qualify for a Provisional High School Certificate at Bowling Green University are:

Art	Health and Physical Education
Basic Business	History and Political Science
Biology	Home Economics (Vocational)
Business Education (Comprehensive Major)	Industrial Arts
Accounting—Basic Business	International Studies
Distributive Education	Journalism
Salesmanship—Merchandising	Latin
Stenographic—Typing	Library Science
Chemistry	Mathematics
Earth Science	Music (Vocal and Instrumental)
English	Physical Science
French	Physics
General Science	Russian
Geography	Science (Comprehensive Major)
German	Social Studies (Comprehensive Major)
Health Education	Spanish
	Speech—General
	Speech and Hearing Therapy

Most students preparing to teach in the high school select a major subject and a minor subject and follow the General Curriculum outlined on pages 84-85. Requirements are listed under *Major or Minor Fields of Study*, pages 85-89. Upon the successful completion of one of these curricula and graduation from the University, the student becomes eligible for (1) an Ohio certificate to teach both his major and his minor subject in junior and senior high school or (2) an *Ohio Special Certificate* to teach his major in the elementary and secondary school. The major and minor subjects are his *teaching fields*.

ELEMENTARY EDUCATION CURRICULUM

The curriculum listed below leads to the Bachelor of Science in Education degree, and a Provisional Certificate for teaching in the elementary grades.

FIRST YEAR		SECOND YEAR	
Art 101	3	History 205	3
Biology 110	3	History 206	3
English 101	3	Literature elective in English	3
English 102	3	Mathematics 241	3
Geography 101	3	Mathematics 242	3
Geology or chemistry or physics elective	3	Music 211**	2
HPE 101	1	Music 212**	2
HPE 102	1	Psychology 201	3
HPE 109	3	Psychology 302	3
History 151	3	Sociology 201	3
Speech 102	3	HPE 201	1
Elective†	3	HPE 202	1
	32		30

†No more than 6 hours of electives may be in education courses.

**A qualified student may substitute Music 213 for Music 211 and 212.

THIRD YEAR		FOURTH YEAR	
Art 343	3	Education 381*	8
Education 351*	3	Education 402*	3
Education 352*	2	Education 408*	3
Education 353*	2	Education 409*	3
Education 356*	3	Electives†	15
English 342	3		
HPE 342	2		
Speech 423	3		
Social sciences	3		
Electives†	7		
	<hr/>		<hr/>
	31		32

GENERAL CURRICULUM

This curriculum is for the student who is primarily interested in teaching academic subjects in secondary schools.

The student who is interested in both elementary and secondary certification should follow the curriculum outlined above.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101	3	English 102	3
Science or mathematics	3	Science or mathematics	3
Social science elective	3	Speech 102	3
Major or electives†	6	Major or electives†	6
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Literature elective in English	3	Psychology 302	3
Psychology 201	3	Science or mathematics	3
Science or mathematics	3	Major, minor, or electives†	6
Sociology 201	3	Social science elective	3
Major, minor, or elective†	3	HPE 202	1
HPE 201	1		
	<hr/>		<hr/>
	16		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Curriculum and methods	3	Group IV elective	3
Group IV elective	3	Major, minor, or electives†	12
Major, minor, or electives†	6		
Social science elective	3		
	<hr/>		<hr/>
	15		15

†No more than 6 hours of electives may be in education courses for the Elementary Curriculum and no more than 4 hours for the General Curriculum.

*A student must enroll concurrently in these courses.

FOURTH YEAR

Semester of professional concentration, including Educ. 331, 402, 408, 409	17
Major, minor, electives†	15

Electives should be selected by the student and reviewed by the adviser on the basis of individual need, interests, or in fulfillment of group, major, or minor requirements.

†No more than 6 hours of electives may be in education courses for Elementary Curriculum and no more than 4 hours for the General Curriculum.

*A student must enroll concurrently in these courses.

MAJOR AND MINOR FIELDS OF STUDY

AMERICAN STUDIES. Major (no minor required): An interdepartmental program including either 24 hours of English or 27 hours of history and political science. The student must include in his program Art 445 and either 448 or 449; English 303, 304; History 205, 206; Pol. Sci. 201, 202; Phil. 201, 415. An additional senior seminar of 3 hours in the department of concentration (English or history) is required. At least one half the major courses shall be on the 300-400 level. The electives in the field of specialization are selected with the approval of the major adviser. Majors will be certified in the teaching field of English or history. (See page 146.)

ART. Major (no minor required) (special certificate): See special curriculum, page 90.

Minor: *First year*, Art 101, 103, 112, 145. *Second year*, Art 205, 245, 261. *Third and fourth years*, Art 343, 371 or 373 or 377. (Total is 26 hours.)

BIOLOGY. Major: Biol. 110, 111, and 112. Core courses in second year as required by the department. In addition a minimum of 3 hours elected from botany and 3 hours in zoology; one year or its equivalent of laboratory chemistry. Organic chemistry and physics are recommended. (Total is 30 hours in biology.)

Minor: Biol. 110, 111, and 112. Core courses in second year as required by the department. In addition, a minimum of 3 hours elected from botany and 3 hours from zoology. One year or its equivalent of laboratory chemistry is recommended. (Total is 21 hours in biology.)

BUSINESS EDUCATION. Major—Comprehensive (no minor required): *First year*, Accounting 121, 122; Bus. Educ. 101. *Second year*, Econ. 201 or 271; Bus. Educ. 210,* 240, 311,* 312, and 328. *Third and fourth years*, Bus. Educ. 314, 352, 354, 356, 358, 359, 401, 455; Mkt. 300; Bus. Adm. 301, 303. (Total is 49 hours.)

Major—Basic Business: *First year*, Acctng. 121, 122; Bus. Educ. 101. *Second year*, Bus. Educ. 212,* 240; Econ. 201 or 271. *Third and fourth years*, Bus. Educ. 352, 354, 358, 359; Bus. Adm. 301, 303; Bus. Educ. 328 or 455; Mkt. 300. (Total is 35 hours.) Distributive Education minor or a non-business minor is required with a Basic Business major.

Major—Distributive Education: *First year*, Bus. Educ. 101. *Second year*, Bus. Educ. 240; Econ. 271. *Third year*, Bus. Educ. 364, 461, 465; Mkt. 300, 340, 430. *Fourth year*, Bus. Educ. 314, 462, 491; Mkt. 410, 436. Total is 39 hours. A minor is recommended.

Minor—Bookkeeping-Basic Business: *First year*, Acctng. 121, 122. *Second year*, Econ. 201 or 271; Bus. Educ. 240. *Third year*, Bus. Educ. 352, 354, 359; approved electives from accounting, business law, economic geography, introduction to business, business mathematics, and office management. (Total is 21 hours.)

*A student with insufficient or no training in shorthand or typewriting must elect the beginning course.

Minor—Distributive Education: *Third and fourth years*, Mkt. 300, 430; Bus. Educ. 364, 461, 462, and 463 or 465; Mkt. 340 or 436 or 410. (Total is 21 hours.)

Minor—Salesmanship-Merchandising: *Second year*, Bus. Educ. 240. *Third year*, Mkt. 300, and 340 or 430; Bus. Educ. 364. *Fourth year*, Bus. Adm. 361. Pertinent electives from advertising retailing, merchandising, economic geography, and introduction to business. (Total is 21 hours.)

Minor—Stenographic-Typing: *Second year*, Bus. Educ. 210,* 214,* 311,* 328. *Third and fourth years*, Bus. Educ. 312, 314, 356, 358. Pertinent electives from Business Education and Business Administration. (Total is 21 hours.)

CHEMISTRY. Major: *First year*, Chem. 101 and 102 (or 103). *Second year*, Chem. 201. *Third and fourth years*, Chem. 301, 302, 352 or 401-403, and additional courses from Chem. 310, 321, 402, 404, 405 (or 205), 406, 413, 420, 430. (Total is 27 hours.)

Minor: *First year*, Chem. 101 and 102 (or 103). *Second, third, and fourth years*, Chem. 201, 203, and 205 or 352. A qualified student may elect Chem. 301 instead of 203; 302 instead of 205; and 401 and 403 instead of 352. (Total is 19 hours.)

EARTH SCIENCE. Major: *First year*, Geol. 101, 102. *Second year*, Geog. 110, 111, 211 and Geol. 110. *Third and fourth years*, Geog. 213 or 404; Geog. 331 or Geol. 304; elective in geography or geology, 3 hours. (Total is 29 hours.)

Minor: same as above minus Geog. 211, 331; Geol. 304 and the elective. (Total is 20 hours.)

ELEMENTARY EDUCATION. Major (no minor required but students are encouraged to take a sequence leading to a minor): See special curriculum, page 83. *Second year*, Math. 241, 242; Music 211 and 212 or 213. *Third year*, Art 343; Educ. 351, 352, 353, 356; English 342; HPE 342. (Total is 25 hours.)

ENGLISH. Major: *First year*, English 101, 102, or equivalent. *Second year*, English 202, 207. *Third year*, English 301, 303 or 304, 310 or 311, 380. *Fourth year*, three courses selected from three different groups below, at least one of which must be numbered 400. (Total is 33 hours.)

Minor: *First year*, English 101, 102, or equivalent. *Second year*, English 202, 207. *Third year*, English 301, 303 or 304, 310 or 311, 380. *Fourth year*, at least one 400-level course selected from the groups below. (Total is 27 hours.)

Group 1: English 306, 312, 314, 400, 482.

Group 2: English 315, 401, 406, 408, 410.

Group 3: English 316, 317, 318, 415, 416.

Group 4: English 320, 322, 323, 325, 409, 419, 430, 435.

FRENCH. Major: French 313, 314, 315, 316, and at least three 400-level courses. (Total is 21 hours.)

Minor: French 313, 314, 315, 316, at least one 400-level course, and Educ. 373. (Total is 18 hours.)

Minor: Elementary Education: Students completing a major in elementary education, a minor in French, and Educ. 358 may be certified to teach French in the elementary school.

*A student with insufficient or no training in shorthand or typewriting must elect the beginning course.

GEOGRAPHY. Major: *First and second years*, Geog. 102, 110, 111, 211. *Third and fourth years*, Geog. 331, 442; Regional Geography elective, one from Geog. 302, 332, 333, 334, 335, 336; Systematic Geography elective, one from Geog. 213, 225, 230, 402, 404, 410, 426, 451, 452. Electives in geography (except 101 or 471): 6 hours. (Total is 30 hours.)

It is recommended that the geography major in education elect Geol. 101 as part of his Group II requirements.

Minor: Same as above minus two free electives. (Total is 24 hours.)

GERMAN. Major: A total of 21 hours in courses beyond German 202.

Minor: Educ. 373 and 14 hours in courses beyond German 202.

HEALTH EDUCATION. Minor: *First year*, Biology 110, 111; HPE 109. *Second year*, Biology 205, 206; Home Econ. 207. *Third and fourth years*, HPE 313, 409. (Total is 24 hours.)

HEALTH AND PHYSICAL EDUCATION. Major (no minor required) (special certificate): See special curricula, pages 91-92.

Minor: *First and second years*, Biology 110 and 111 or 205 or 206; HPE 109; (men) 229 or 230 or 231 or 232; (women) 101, 102, 201, 202, to include soccer, orientation to physical education, swimming, and pertinent electives; 113, 210. *Third and fourth years*, HPE 312, 313, 352, 409; (men) 105 or 106 or 315 or 316. (Total for men is 24 hours; for women it is 26 hours.)

HISTORY AND POLITICAL SCIENCE. Major: *First year*, Hist. 151, 152, 153. *Second year*, Hist. 205, and 204 or 206; 6 hours from Pol. Sci. 101, 201, 202. *Third and fourth years*, 15 hours to be chosen from courses numbered 300 and above in consultation with the adviser; not less than 3 hours must be in American or Latin American history, 3 hours in European, African, or Asian history, and 3 hours of political science chosen from courses numbered 300 and above. (Total is 36 hours.)

Each major must write at least one satisfactory term paper on an historical subject before graduation.

Minor: *First year*, Hist. 151, 152, 153. *Second year*, Hist. 205, and 204 or 206; 6 hours from Pol. Sci. 101, 201, 202. *Third and fourth years*, electives in history, 9 hours of which 3 hours must be in American or Latin American history, and 3 hours in European, African, or Asian history. (Total is 30 hours.)

HOME ECONOMICS. Major (no minor required): See special curriculum, page 93.

Minor: *First year*, Home Econ. 101, 103. *Second year*, Home Econ. 201, 202. *Third and fourth years*, Home Econ. 205, 303, 321, 352; and 6 hours of electives. (Total is 30 hours.)

INDUSTRIAL ARTS. Major (no minor required) (special certificate): See special curriculum, page 94.

Minor: *First year*, Eng. Drwg. 101; Ind. Arts 103, 111. *Second year*, Ind. Arts 203, 231. *Third year*, Graphic Arts 308; Ind. Arts 347, 352, and 313 or 371; and 3 hours of electives. (Total is 30 hours.)

INTERNATIONAL STUDIES. Major (no minor required): An interdepartmental program of 45 hours for the student interested in a career in international affairs. The major is comprised of a core program of 27 hours (Econ. 351; Geog. 452; History 205 and 206 or History 431 and 432; History 457 and 458; Pol. Sci. 301, 371, and 372); 6 hours of a modern foreign language beyond courses numbered 202; and 12 hours of specialization in either economics, international law and government, or a foreign area (East and South Asia, Latin America, Middle East and North Africa, Soviet Union, Sub-Saharan Africa, Western Europe, or other approved areas). The electives in the field of specialization are selected with the approval of the major adviser. (See pages 146-147.)

The following basic courses also are required of majors and should be completed before the end of the sophomore year: History 152; Econ. 201 and 202; Pol. Sci. 201; Geog. 101 or 230; sociology electives. Majors will be certified in the teaching field of social studies.

JOURNALISM. Major: *First year*, Journ. 103, 107. *Second year*, Journ. 211, 212. *Third and fourth years*, Journ. 301, 302, 310; electives, 8 hours. (Total is 28 hours.)

A student majoring in journalism must take Bus. Educ. 111 in the first year unless he has had typewriting in high school.

Minor: Same as above minus journalism electives. (Total is 20 hours.)

LATIN. Major: A total of 21 hours in courses beyond Latin 206.

Minor: Education 373 and 14 hours in courses beyond Latin 206.

LIBRARY SCIENCE. Major: Lib. Sci. 203, 303, 304, 305, 491 or student teaching (at the discretion of the instructor), and any five of the following: Lib. Sci. 204 or 205, 311, 342,* 401, 404, 405, 421,* 422,** 427,** 428,** 442,* 490. (Total is 30 hours.) The major in library science is planned to meet the needs of the student who wishes to qualify for the Ohio Special Certificate.

Minor: Lib. Sci. 203, 303, 304, 305 and any two of the following: Lib. Sci. 204, 205, 311, 342,* 401, 404, 405, 427,** 428,** 490, except that a student shall not take both 204 and 205. (Total is 18 hours.) Suggested majors: English, history, foreign languages, social studies.

MATHEMATICS. Major: Math. 131, 232, 233, plus 12 hours in mathematics courses for which Math. 232 is a prerequisite, with at least one course from each of the following groups: (A) 407, 408, 409, or 410 (B) 401, 403, or 432 (C) 402, 405, 411, 421, or 441. At least one two-semester sequence should be completed. (Total is 25 hours.)

A student majoring in mathematics may qualify for the special course sequence leading to graduation with *Honors in Mathematics*.

Minor: Math. 131, 232, 233, plus one course each from Groups B and C. (Total is 19 hours.)

MUSIC. See Bachelor of Music program, pages 101-108.

MUSIC, ELEMENTARY EDUCATION. Music 101, 102, 107, 108, 203, 207, 306 or 317, 3 hours of applied music (functional piano and voice), and 2 hours of large ensembles. (Total is 23 hours.) Open only to Elementary Education majors.

Minor—Secondary Instrumental: *First year*, Music 101, 102, 107, 108; applied music in instruments, 2 hours. *Second year*, Music 203, 205, 206, 207, 208; applied music in instruments, 1 hour. *Third and fourth years*, Music 200, 305, 306, 355. (Total is 36 hours.)

Minor—Secondary Vocal: *First year*, Music 101, 102, 107, 108; applied music in piano, voice, or both, 2 hours. *Second year*, Music 203, 205, 206, 207. *Third and fourth years*, Music 200, 305, 306, 355. (Total is 33 hours.)

PHYSICAL SCIENCE. Major: *First year*, Chem. 101 and 102 (or 103); Physics 110. *Second, third, and fourth years*, Physics 201, 202 or 203, 204; Chem. 201, 203, electives in physical science. The qualified student may elect Chem. 301 instead of 203. (Total is 28 hours.)

Minor: *First year*, Chem. 101 and 102 (or 103); Physics 110. *Second year*, Physics 201, 202 or 203, 204. *Third and fourth years*, at least 5 hours chosen from Chem. 201; Physics 302, 303, 304, 305, 308. (Total is 21 hours.)

*Not open to students with credit for English 342, 421, and 442.

**Students who have had Educ. 422 may not enroll for Lib. Sci. 422; students who have had Educ. 427 may not enroll for Lib. Sci. 427; students who have had Educ. 428 may not enroll for Lib. Sci. 428.

PHYSICS. Major: *First and second year*, Physics 110, 201, 202 or 203, 204. *Third and fourth years*, additional electives on the 300 or 400 level. (Total is 24 hours.)

Minor: *First and second year*, Physics 110, 201, 202 or 203, 204. Additional electives on the 300 or 400 level. (Total is 18 hours.)

RUSSIAN. Minor: Education 373 and 14 hours in courses beyond Russian 202.

SCIENCE. Major—Comprehensive (no minor required): *First year*, Biol. 110 and 111 or 112; Chem. 101 and 102 (or 103); Physics 110; Math. 121, 122, 123, beginning at the level appropriate to the student's training. *Second year*, Physics 201, 202 or 203, 204; Chem. 101 and 102 (or 103) or Biol. 110 and 111 or 112. *Third and fourth years*, at least 12 hours in biology, chemistry or physics to make a minimum of 20 hours in one of these fields. In addition, credit in required course work or in related courses as astronomy, geology, meteorology, physiography, or mathematics, to make a total of 45 hours. A student who chooses the 20-hour field in physics also must have Math. 232 or equivalent. (Total is 45 hours.)

Minor—General: *First year*, Biol. 110 and 111 or 112, or Chem. 101 and 102 (or 103); Physics 110. *Second year*, Chem. 101 and 102 (or 103), or Biol. 110 and 111 or 112. *Third year*, Physics 201, 202 or 203, 204. (Total is 22 hours.)

SOCIAL STUDIES. Major—Comprehensive (no minor required, but recommended): *First year*, History 151, 152, 153; Geog. 101. *Second year*, History 205, 206; Soc. 201, 202; 6 hours from Pol. Sci. 101, 201, 202. *Third and fourth years*, Econ. 201 plus 15 hours of electives in social studies of which 3 hours at the 300-400 level must be chosen in American or Latin American history and 3 in European, African, or Asian history. (Total is 48 hours.)

SPANISH. Major: Spanish 313, 314, 316, and at least four 400-level courses. (Total is 21 hours.)

Minor: Spanish 313, 314, 316, at least two 400-level courses, and Educ. 373. (Total is 18 hours.)

Minor, Elementary Education: Students completing a major in elementary education, a minor in Spanish, and Educ. 358 may be certified to teach Spanish in the elementary school.

SPEECH. Major: Each major must take Speech 102, 103, 141, 202, 203, 223, 261, 341, and 262 or 363. He is then expected to elect, in consultation with his adviser, a minimum of 12 additional hours in theatre; or in public address; or in broadcasting; or in a combination of at least two of these areas. (Total is 38 hours.)

Minor: Each minor must take Speech 102, 141, 202 or 203, 261, 423. He is expected to elect 9 additional hours in theatre, public address, or broadcasting, or a combination of at least two of these three areas. (Total is 24 hours.)

Major: Speech and Hearing Therapy (no minor required): See curriculum, page 96.

TEACHERS OF EMOTIONALLY DISTURBED CHILDREN (BEHAVIORAL DISORDERS). Major (no minor required): See special curriculum, page 97. Educ. 351, 352, 353, 356, 422, 441, 451, 452; Psych. 302 or Educ. 242, Psych. 305, 405, 460, 463. (Total is 36 hours.)

TEACHERS OF SEVERELY MENTALLY RETARDED CHILDREN. Major (no minor required): See special curriculum, page 98. Educ. 351, 352, 353, 356, 439, 440, 441, 443, and 445. (Total is 27 hours.)

TEACHERS OF SLOW LEARNING CHILDREN. Major (no minor required): See special curriculum, page 99. Educ. 433, 434, 435, 436, 437, 441; Psych. 302 or Educ. 242; Psych. 305, 460, 463. (Total is 29 hours.)

ART (PUBLIC SCHOOL) CURRICULUM*

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 101	3	Art 112	3
Art 103	3	Art 145	3
English 101	3	English 102	3
Science or mathematics elective	3	Science or mathematics elective	3
Speech 102	3	Social science elective	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 205	3	Art 211	3
Art 245	3	Art 263	3
Art 261	3	Psychology 302	3
Literature elective in English	3	Sociology 201	3
Psychology 201	3	Minor or electives†	5
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	16		18

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 311	3	Art 343	3
Art 321	3	Art 372 or 374	3
Art 352	3	Art 377	3
Art 371	3	Art history elective	3
Art 373	3	Philosophy 204	3
Science or mathematics elective	3	Science or mathematics elective	3
	<hr/>		<hr/>
	18		18

FOURTH YEAR

Semester of professional concentration, including student teaching	17
Minor or electives†	11
Social science	6

*See pages 54-58 for information concerning Bachelor of Fine Arts curricula.

†No more than 4 hours of electives may be in education courses.

HEALTH AND PHYSICAL EDUCATION CURRICULUM

FOR MEN

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
English 101	3	English 102	3
HPE 105	2	HPE 106	2
HPE 109	3	Minor or electives†	4
Speech 102	3	Social science	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	15		15

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 205	3	Biology 206	3
HPE 204	2	HPE 229	1
HPE 230	1	HPE 232	1
HPE 231	1	Literature elective in English	3
Psychology 201	3	Psychology 302	3
Sociology 201	3	Social science elective	3
Minor or elective†	2 or 3	HPE 202	1
HPE 201	1		
	<hr/>		<hr/>
	16 or 17		15

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
HPE 302	2	HPE 313	3
HPE 315	2	HPE 316	2
HPE 352	3	HPE 354	3
Minor or electives†	6	HPE 409	3
Group IV elective†	3	Minor or elective†	3
		Group IV elective†	3
	<hr/>		<hr/>
	16		17

FOURTH YEAR

Semester of professional concentration, including student teaching	17
HPE 312	3
Minor or electives†	9
Social science	3

†No more than 4 hours of electives may be in education courses.

HEALTH AND PHYSICAL EDUCATION CURRICULUM

FOR WOMEN

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
English 101	3	English 102	3
HPE 109	3	HPE 114	2
HPE 113	2	Minor or elective †	3
Speech 102	3	Social science elective	3
HPE 101	1	HPE 102	1
(soccer, rhythmic form and analysis)		(orientation to physical education)	
	<hr/> 15		<hr/> 15

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 205	3	Biology 206	3
Psychology 201	3	HPE 212	2
HPE 204	2	HPE 214	2
HPE 210	3	Literature elective in English	3
Minor or elective †	3	Psychology 302	3
HPE 201	1	Group IV electives	3
(archery, recreation games)		HPE 202	1
		(fencing, softball)	
	<hr/> 15		<hr/> 17

THIRD YEAR

HPE 213*	3
HPE 302	3
HPE 308	2
HPE 313	3
HPE 324	2
HPE 352	3
HPE 354	3
HPE 409	3
Social science elective	3
Minor or elective †	3
Sociology 201	3
	<hr/> 31

FOURTH YEAR

Semester of professional concentration, including student teaching	17
HPE 312	3
Social science elective	3
Minor or electives †	9
	<hr/> 32

*All courses offered both semesters except HPE 213 which is offered second semester only.

†No more than 4 hours of electives may be in education courses.

HOME ECONOMICS CURRICULUM

A student who completes the work outlined below will be qualified for teaching in home economics departments in approved high schools. The student also will be certified by the Vocational Division of the State Department of Education for teaching home economics.

A student who is interested in agricultural extension work should also follow the program outlined below.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 101	3	Chemistry 112	3
Chemistry 111	3	English 102	3
English 101	3	Home Economics 101 or 105	3
Home Economics 101 or 105	3	Home Economics 103 or 104	2 or 3
Home Economics 103 or 104	2 or 3	Speech 102	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	15 or 16		15 or 16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 206	3
Home Economics 201	3	Home Economics 202	3
Home Economics 203	2	Home Economics 204	2
Psychology 201	3	Home Economics 205	3
Sociology 201	3	Literature elective in English	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	15		15

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Home Economics 303	3	Home Economics 306	3
Home Economics 307	3	Home Economics 308	3
Home Economics 321	3	Home Economics 311	3
Home Economics 352	3	Home Economics 322	3
Psychology 302	3	Minor or elective†	3
	<hr/>		<hr/>
	15		15

FOURTH YEAR

<i>First or Second Semester</i>	<i>First or Second Semester</i>
Semester of professional concentration, including student teaching	Social science electives
	Minor or electives†
	Home Economics 405
	<hr/>
	17
	<hr/>
	17

†No more than 4 hours of electives may be in education courses.

INDUSTRIAL ARTS CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 101	3	Engineering Drawing 102	3
Engineering Drawing 101	3	English 102	3
English 101	3	Industrial Arts 111	3
Industrial Arts 103	3	Physics 100	3
Industrial Arts 121	3	Speech 102	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Chemistry 100	3	Art 263	3
Industrial Arts 221	3	Industrial Arts 203	3
Industrial Arts 231	3	Industrial Arts 211	3
Literature elective in English	3	Psychology 302	3
Psychology 201	3	Sociology 201	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	16		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Graphic Arts 308	3	Industrial Arts 361	3
Industrial Arts 347	3	Industrial Arts 371	3
Industrial Arts 352	3	Industrial Arts 391	3
Industrial Arts 381	3	Social science elective	3
Science or mathematics elective	3	Minor or elective†	3
	<hr/>		<hr/>
	15		15

FOURTH YEAR

Semester of professional concentration, including student teaching	17
Social science electives	6
Minor or electives†	9

†No more than 4 hours of electives may be in education courses.

ENGLISH AND SPEECH CURRICULUM (Double major)

The following course of study outlines a recommended sequence of courses for meeting minimum requirements for a major in both academic departments.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101	3	English 102	3
Speech 102 (or 141)	3	Speech 141 (or 102)	3
Speech 103 or 202 or speech elective*	3	Speech 103 or 202 or speech elective*	3
Science or mathematics elective	3	Science or mathematics elective	3
Social science elective	3	Social science elective	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 202	3	English 207	3
Psychology 201	3	Psychology 204	3
Speech 223 or 261	3	Speech 223 or 261	3
Science or mathematics elective	3	Speech 203	3
Social science elective	3	Science or mathematics elective	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	16		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Education 371 or 372	3	English 303 or 304	3
English 301	3	English 310 or 311	3
English 380	3	Speech 341 or 262	3
Speech 341 or 363	3	Speech elective*	3
Speech elective* or social science elective**	3	Social science or speech elective**	3
	<hr/>		<hr/>
	15		15

FOURTH YEAR

Semester of professional concentration, including student teaching	17
English electives (See English major, page 86, for fourth year electives)	9
Speech elective*	3
Electives**	3

*See Speech major, page 89, for elective patterns in Speech.

**No more than 4 hours may be in education courses.

SPEECH AND HEARING THERAPY CURRICULUM

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 110	3	Biology 111	3
English 101	3	English 102	3
Speech 102	3	Speech 202	3
Speech 141	3	Speech 226	3
Speech 223	3	Social science elective	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Psychology 201	3	Psychology 204	3
Sociology 201	3	Sociology 202	3
Speech 331	3	Speech 203 or 364	3
Science elective	3	Speech 324	3
Social science elective	3	Literature elective in English	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	16		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Psychology 305	3	Education 441	3
Psychology 460	3	Psychology 463	3
Speech 328	3	Speech 325	3
Speech 330	3	Speech 332	2
Speech 422*	3	Speech 433	3
		Speech 435**	2
	<hr/>		<hr/>
	15		16

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Education 356	3	Semester of professional concentration, including student teaching	14
Psychology elective	3		
Speech 426	2		
Electives	7		
	<hr/>		<hr/>
	15		14

*Speech 422 will count as part of the science requirement.

**Students who plan on student teaching in the second semester of the senior year should take Speech 435 in the first semester of the fourth year.

CURRICULUM FOR TEACHERS OF EMOTIONALLY DISTURBED CHILDREN (BEHAVIORAL DISORDERS)*

FIRST YEAR		SECOND YEAR	
Art 101	3	HPE 201	1
Biology 110	3	HPE 202	1
Biology 111	3	HPE 342	2
English 101	3	History 205	3
English 102	3	History 206	3
Geography 101	3	Literature elective in English	3
HPE 101	1	Mathematics 241	3
HPE 102	1	Music 211	2
HPE 109	3	Music 212	2
History 151	3	Psychology 201	3
Speech 102	3	Psychology 204 or Education 242	3
Physical science elective	3	Sociology 201	3
	—	Sociology 202	3
	32		—
			32

THIRD YEAR		FOURTH YEAR	
Art 343	3	Education 381	8
Education 351	3	Education 408	3
Education 352	2	Education 409	3
Education 353	2	Education 451	3
Education 356	3	Education 452	3
Education 422	3	Psychology 405	3
Education 441	3	Psychology 460	3
English 342	3	Psychology 463	3
Home Economics 321	3	Sociology 406	3
Psychology 305	3		—
Sociology 408	3		32
Speech 423	3		
	—		
	34		

*The student who completes the 130-hour program will receive an Ohio Provisional Certificate in Elementary Education and meet the approved requirements for teaching children with behavioral disorders.

CURRICULUM FOR TEACHERS OF SEVERELY MENTALLY RETARDED CHILDREN*

FIRST YEAR		SECOND YEAR	
Art 101	3	History 205	3
Biology 110	3	Literature elective in English	3
Biology 111	3	Mathematics 241	3
English 101	3	Music 211	2
English 102	3	Music 212	2
Geography 101	3	Psychology 201	3
History 151	3	Psychology 204 or Education 242	3
HPE 101	1	Sociology 201	3
HPE 102	1	Sociology 202	3
HPE 109	3	Speech 423	3
Physical science elective	3	Elective†	3
Speech 102	3	HPE 201	1
		HPE 202	1
	32		33

THIRD YEAR		FOURTH YEAR	
Art 343	3	Education 381	8
English 342	3	Education 408	3
HPE 342	2	Education 409	3
History 206	3	Education 440	3
Home Economics 321 or 322	3	Education 443	3
Education 242	3	Education 445	3
Education 351	3	Psychology 460	3
Education 352	2	Electives†	8
Education 353	2		34
Education 356	3		
Education 439	3		
Education 441	3		
	33		

*The State Department of Certification does not issue a certificate for teachers of severely mentally retarded children. The student who completes the curriculum will receive an Ohio Provisional Certificate in Elementary Education and will meet the requirements established by the State Department of Mental Health.

†No electives may be in education courses.

CURRICULUM FOR TEACHERS OF SLOW LEARNING CHILDREN

FIRST YEAR		SECOND YEAR	
Art 101	3	Literature elective in English	3
Biology 110	3	Mathematics 241	3
Biology 111	3	Music 211	2
English 101	3	Music 212 or 317	2
English 102	3	Psychology 201	3
HPE 109	3	Psychology 204 or Education 242	3
Social science electives	6	Sociology 201	3
Speech 102	3	Sociology 202	3
Elective†	3	Speech 223 or 423	3
HPE 101	1	Science or math. elective	3
HPE 102	1	HPE 201	1
		HPE 202	1
	32		30
THIRD YEAR		FOURTH YEAR	
Art 343	3	Education 381	8
Education 433	3	Education 408	3
Education 434	3	Education 409	3
Education 435	3	Education 437	3
Education 436	3	Psychology 305	3
Education 441	3	Psychology 463	3
English 342	3	Electives†	9
HPE 342	2		
Psychology 460	3		
Social science electives	6		
	32		32

†No electives may be in education courses.

INTER-COLLEGE CURRICULA

A candidate who has met all the requirements for a degree from the College of Business Administration or College of Liberal Arts also may qualify for the degree of Bachelor of Science in Education and for an Ohio certificate to teach by completing the combined curriculum including the general and specific graduation requirements for each college. (See pages 74 and 138.)

A student who wishes to pursue the combined program must register in the College of Education, as well as the other college, and maintain a cumulative point average of 3.0 or better, based upon at least two semesters of work at Bowling Green University.

ADDITIONAL CERTIFICATION PROCEDURES

TRANSFER FROM A SPECIAL TO A HIGH SCHOOL CERTIFICATE

The holder of a special certificate may obtain the provisional high school certificate in another subject upon completion of the requirements for the teaching subject as listed on pages 85-89.

FINE ARTS-EDUCATION CURRICULUM

The combined Liberal Arts and Education curriculum leading to the Bachelor of Fine Arts degree and to certification for the teaching of public school art is outlined on pages 56-58. A student following this curriculum will register in both the College of Liberal Arts and the College of Education, and have his program approved by the adviser in each college.

TRANSFER FROM A HIGH SCHOOL OR SPECIAL TO AN ELEMENTARY CERTIFICATE

The holder of a provisional, professional, or permanent high school or special certificate may obtain a certificate valid for elementary teaching upon evidence of the satisfactory completion of 12 hours of credit in the following designated areas: methods of teaching reading, arithmetic and science, and social studies, and one elementary education elective as recommended by the office of the Dean. This certificate is designated as a "retraining" certificate, and may be renewed upon evidence of the completion of 12 hours of additional credit applicable to a degree in elementary education.*

TRANSFER FROM AN ELEMENTARY TO A HIGH SCHOOL CERTIFICATE

The holder of an elementary certificate of any grade (provisional, professional, or permanent) obtained upon graduation from a four-year curriculum for the preparation of elementary teachers may obtain the provisional high school certificate by completing one major or two minors, or the Ohio certification requirements in at least two teaching subjects, including a 3-hour methods course in one of these subjects.

PROVISIONAL "CADET" ELEMENTARY CERTIFICATE

By action of the Board of Education for the State of Ohio, no student is permitted to enter the Provisional "Cadet" Elementary Certificate program after October 1, 1966, and no "cadet" provisional certificate will be issued after October 1, 1968.

Therefore, during the 1967-68 academic year, the University will not offer the first year of the "cadet" program, but will conduct the second year of the "cadet" program at the Academic Centers at Bryan, Fostoria, Fremont, and Sandusky.

The student who began the Provisional "Cadet" Elementary Certificate program prior to October 1, 1966, must have all "cadet" certificate requirements completed prior to September 1, 1968 to receive this certificate. Current holders of the "cadet" certificate may take courses toward their degree requirements at the Academic Centers, if available and applicable, or on the campus at Bowling Green.

PREPARATION FOR COLLEGE TEACHING

A student interested in college teaching should alert his adviser. This will enable him to obtain the necessary degree of concentration in the field chosen for future specialization, in addition to preparation for teaching. Additional information may be obtained from the office of the Assistant to the Provost.

EARLY ADMISSION TO GRADUATE SCHOOL (See page 149.)

*Program outlines may be obtained from the office of the Dean.

THE SCHOOL OF MUSIC

JAMES PAUL KENNEDY, B.A., B.M.ED., M.M., PH.D., *Director*

SCHOOL OF MUSIC EXECUTIVE COMMITTEE

EDWIN R. BETTS
DAVID S. GLASMIRE
JAMES PAUL KENNEDY

BERNARD LINDEN
PAUL MAKARA
FRED J. YOUNG

COUNCIL ON INSTRUCTION

WILLIAM D. ALEXANDER
ROBERT W. HOHN

ARTHUR S. HOWARD
EMANUEL RUBIN
HAROLD E. SKINNER

OBJECTIVES

The primary objectives of the School of Music are to prepare talented students for professional careers in music and to create a cultural climate for the entire campus-community. Education in music is not only a means to a career but the basis of a *liberal education*. The School of Music has been accredited by the National Association of Schools of Music since 1947.

ENTRANCE EXAMINATIONS

All majors and minors are required to take an entrance examination. This will include a written test during preregistration and an audition in the student's major and minor performance areas during orientation week. Students will be accepted, placed on warning, or rejected depending on the outcome of these tests. Non-music students wishing to enroll in applied music courses will be asked to audition in the chosen performance area.

BACHELOR OF MUSIC

The School offers curricula in music education and applied music, both leading to the Bachelor of Music degree. This degree provides not only the most substantial undergraduate preparation for professional careers but for graduate study leading to the master's and doctor's degree in music. Programs outlined for each concentration stress breadth as well as depth to insure not only technical skills but a broad understanding of the social and cultural environment in which the *art of music* is practiced.

MAJOR FIELDS OF STUDY

APPLIED MUSIC—VOICE

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101	3	English 102	3
Music 107	5	Music 108	5
Music 161*	1	Music 162*	1
Music 171	3	Music 172	3
Speech 102	3	Music 200	1
HPE 101	1	Science elective	3
		HPE 102	1
	<hr/>		<hr/>
	16		17

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
French 101	3	French 102	3
Music 101	2	Music 100 or 300	1
Music 205	3	Music 102	2
Music 207	2	Music 200	1
Music 261*	1	Music 206	3
Music 271	3	Music 262*	1
Social sciencett	3	Music 272	3
HPE 201	1	Social sciencett	3
		HPE 202	1
	<hr/>		<hr/>
	18		18

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
German 101	3	German 102	3
Music 201	2	Music 100 or 300	1
Music 304	2	Music 306	3
Music 305	3	Music 312	2
Music 311	2	Music 313	2
Music 371	3	Music 372	3
Social science elective	3	Science or mathematics elective	3
	<hr/>		<hr/>
	18		17

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Literature elective in English	3	Music 200	1
Music 200	1	Music 403 or 409	2
Music 403 or 409	2	Music 411	2
Music 471	3	Music 472	3
Science or mathematics elective	3	Social science elective	3
Elective	3	Electives	6
	<hr/>		<hr/>
	15		17

*or proficiency

††History 151 and 152 recommended.

APPLIED MUSIC—ORGAN AND PIANO

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101	3	English 102	3
Music 107	5	Music 108	5
Music 161 or 191	3	Music 162 or 192	3
Music 200	1	Music 200	1
Speech 102	3	Science elective	3
HPE 101	1	IIPE 102	1
	—		—
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Music 101	2	Music 102	2
Music 205	3	Music 206	3
Music 207	2	Music 216 (for organ) or Music 210 (for piano)	2
Music 215 (for organ) or Music 209 (for piano)	2	Music 262 or 292	3
Music 261 or 291	3	Social science††	3
Social science††	3	Elective*	3
Social science elective*	3	HPE 202	1
HPE 201	1		—
	—		—
	(organ) 19		(organ) 17
	(piano) 16		(piano) 14

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Music 100 or 300 (for piano) or Music 200 (for organ)	1	Music 100 or 300 (for piano) or Music 200 (for organ)	1
Music 201	2	Music 306	3
Music 304	2	Music 310	2
Music 305	3	Music 315	2
Music 309	2	Music 403 or 409 (for piano) or Music 403 (for organ)	2
Music 403 or 409 (for piano) or Music 403 (for organ)	2	Music 362 or 392	3
Music 361 or 391	3	Science or mathematics elective	3
Science or mathematics elective†	3		—
Social science elective*	3		16
	—		
	18		

††History 151 and 152 recommended.

*for organ

†for piano

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Literature elective in English	3	Music 200 (piano)	1
Music 200 (piano)	1	Music 419 (organ)	2
Music 409 (organ) or Music 416 (piano)	2	Music 462 or 492	3
Music 415 (organ)	2	Science or mathematics elective	3
Music 461 or 491	3	Social science elective	3
Science or mathematics elective**	3	Electives*	5
Elective*	3	Electives†	7
Electives†	5		
		(organ)	16
		(piano)	17
	(organ) 16		
	(piano) 17		

*for organ

†for piano

**Recommended elective, Biology 110, Geology 100, or Physics 350.

APPLIED MUSIC—BRASS, PERCUSSION, STRINGS,
WOODWIND

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101	3	English 102	3
Music 100 or 300	1	Music 100 or 300	1
Music 107	5	Music 108	5
Music 121, 131, 141 or 181	3	Music 122, 132, 142 or 182	3
Music 161*	1	Music 162*	1
Music 200	1	Music 200	1
HPE 101	1	HPE 102	1
	-----		-----
	15		15

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Music 101	2	Music 102	2
Music 205	3	Music 206	3
Music 221, 231, 241 or 281	3	Music 208	2
Music 261*	1	Music 222, 232, 242 or 282	3
Social sciencet†	3	Music 262*	1
Specch 102	3	Science elective	3
HPE 201	1	Social sciencet†	3
	-----	HPE 202	1
	16.		-----
			18

*or proficiency

††History 151 and 152 recommended.

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Music 201	2	Music 306	3
Music 304	2	Music 315	2
Music 305	3	Music 322, 332, 342 or 382	3
Music 321, 331, 341 or 381	3	Music 403 or 409	2
Music 403 or 409	2	Science or mathematics elective	3
Social science elective	3	Elective	3
Elective	3		
	<hr/>		<hr/>
	18		16

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Literature elective in English	3	Music 200	1
Music 200	1	Music 422, 432, 442 or 482	3
Music 413 (brass) or Music 418 (strings) or Music 414 (woodwinds)	2	Science or mathematics elective	3
Music 421, 431, 441 or 481	3	Social science elective	3
Science or mathematics elective	3	Electives	6
Elective*	3		
Electives†	5		
	<hr/>		<hr/>
	15-17		16

*for brass, strings, or woodwinds

†for percussion

MUSIC EDUCATION

Four choices of emphasis offered in this curriculum are outlined on the following pages. Each follows the general pattern below. Variations will be found in the requirements for applied music, minor applied music classes, Music 200, and in student teaching experiences.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Applied music	2 or 3	Applied music	2 or 3
Minor applied string class	1	Minor applied string class	1
English 101	3	English 102	3
Music 107	5	Music 108	5
Music 200	1	Music 200	1
Speech 102	3	Science elective	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16 or 17		16 or 17

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Applied music	3	Applied music	3
Minor applied wind class*	1	Minor applied wind class*	1
Music 101	2	Music 102	2
Music 200	1	Music 200	1
Music 201 or 203, 205, 207	7 or 8	Music 203 or 201, 206, 208	7 or 8
Social sciencett	3	Social sciencett	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	18 or 19		18 or 19

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Applied music	2	Applied music	2
Minor applied wind class	1	Minor applied wind or percussion class	1
Music 200	1	Music 300	1
Music 304, science or mathematics elective**	2 or 3	Music 304, science or mathematics elective**	2 or 3
Music 305	3	Music 306	3
Music 315	2	Music 320 or elective†	2
Music 355	3	Music 357 or 456	2
Psychology 201	3	Psychology 302	3
	<hr/>		<hr/>
	17 or 18		16 or 17

FOURTH YEAR

<i>First or Second Semester</i>		<i>First or Second Semester</i>	
Applied music	2	Semester of professional concentration, including student teaching	17
Minor applied class	1		
Literature elective in English	3		
Science or mathematics electives**	6		
Social science elective	3		
Sociology 201	3		
	<hr/>		
	18		

*The semester Music 203 is elected, omit minor applied music.

††History 151 and 152 recommended.

**Recommended electives, Biology 110, Geology 100, or Physics 350.

†No more than 4 hours of electives may be in education courses.

ALTERNATIVE PROGRAMS IN MUSIC EDUCATION

I. CHORAL MAJOR WITH INSTRUMENTAL MINOR

Major applied music lessons in voice, and piano or instrumental instruction, to total not less than 13 hours. No more than 4 hours of piano and/or instrumental instruction will be accepted toward this requirement.

1. Piano must be taken first semester, later only by permission of the Director of the School of Music. Piano must be continued until competency is attained (as defined by staff) as a prerequisite for graduation.
2. Of these 13 hours allocated to major applied music lessons, a student must elect 1 hour, and may elect 2 hours, in Music 100 and/or 300 (small ensembles).
3. A student with major emphasis in voice may be advised at the conclusion of two years of private study to discontinue private instruction. Voice class or other applied music area may then be elected.
4. In addition to the 13 hours allocated to major applied music lessons, a student must take Music 200, to include 5 hours in choral ensemble and 1 hour in an instrumental organization.
5. The choral major must have vocal emphasis in student teaching.
6. In addition to the 13 hours allocated to major applied music lessons, a student must take minor applied music classes or lessons to total not less than 5 hours, to include registration in brass, percussion, high and low strings, and woodwind.

II. INSTRUMENTAL MAJOR WITH CHORAL MINOR

Major applied music lessons on an instrument approved by the instructor for major and piano, to total not less than 13 hours.

1. No more than 4 hours of piano will be accepted toward the requirement of 13 hours.
2. Piano must be taken the first semester, later only by permission of the Director of the School of Music. Piano must be continued until competency is attained (as defined by staff) as a prerequisite for graduation.
3. Of these 13 hours allocated to major applied music lessons, a student must elect 1 hour, and may elect 2 hours, in Music 100 and/or 300 (small ensembles).
4. The instrumental major with a choral minor must have instrumental emphasis in student teaching.
5. In addition to the 13 hours allocated to major applied music lessons, a student must take minor applied music classes or lessons to total not less than 7 hours, to include registration in brass, percussion, high and low strings, voice, and woodwind.
6. In addition to the 13 hours allocated to major applied music lessons, string, wind and percussion players must take Music 200, to total 5 hours in orchestra, or band, or both, and 1 hour in choral ensemble.

III. PIANO MAJOR WITH INSTRUMENTAL MINOR

Major applied music lessons in piano and on an instrument approved by the instructor to total not less than 13 hours.

1. At least 4 of these 13 hours must be in private study on an instrument other than piano approved by the instructor.
2. Of these 13 hours allocated to major applied music lessons, a student must elect 1 hour, and may elect 2 hours, in Music 100 and/or 300 (small ensembles).
3. In addition to the 13 hours allocated to major applied music lessons, a student must take minor applied music classes or lessons to total not less than 6 hours, to include registration in brass, percussion, high and low strings, voice, and woodwind.
4. The piano major with instrumental minor must have instrumental emphasis in student teaching.
5. The piano major with an instrumental minor must take Music 200, to include 4 hours in an instrumental ensemble and 1 hour in a vocal organization.

IV. PIANO MAJOR WITH CHORAL MINOR

Major applied music lessons in piano and on an instrument approved by the instructor to total not less than 13 hours.

1. At least 4 of these 13 hours must be in private study of voice.
2. Of these 13 hours allocated to major applied music lessons, a student must elect 1 hour, and may elect 2 hours, in Music 100 and/or 300 (small ensembles).
3. In addition to the 13 hours allocated to major applied music lessons, a student must take minor applied music classes to total not less than 5 hours, to include registration in brass, percussion, high and low strings, and woodwind.
4. The piano major with choral minor must have choral emphasis in student teaching.
5. The piano major with a choral minor must take Music 200, to include 4 hours in a vocal ensemble and 1 hour in an instrumental organization.

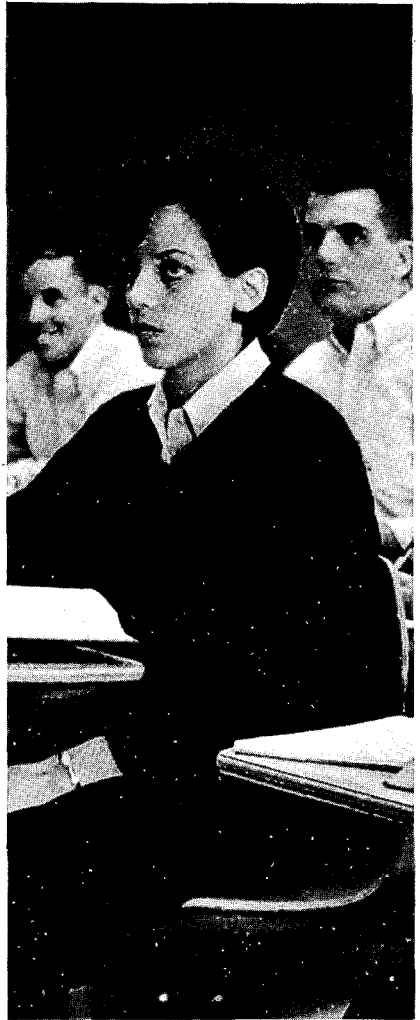
NOTE: A student who desires to pursue an academic minor instead of one of the programs above may do so after consultation with the Director of the School of Music or his adviser. In such cases, courses required for the academic minor will be substituted for certain music subjects.

Double Major. A student interested in a double major (vocal and instrumental) should consult with the Director of the School of Music for information concerning the requirements. Such a program will ordinarily require a time expenditure of more than eight semesters.



**COLLEGE OF
BUSINESS
ADMINISTRATION**





THE COLLEGE OF BUSINESS ADMINISTRATION

WILLIAM F. SCHMELTZ, PH.D., Certified Public Accountant (Ohio), *Dean*
WARREN C. WATERHOUSE, PH.D., *Assistant Dean*
WAYNE A. JOHNSON, PH.D., *Assistant Dean*
KARL G. RAHDERT, D.B.A., *Director of Graduate Studies in Business*
HARVEY E. DONLEY, PH.D., Certified Public Accountant (Indiana), *Associate Director, Graduate Studies in Business*
RAYMOND F. BARKER, PH.D., *Director of Division of Business Research*
WILLIAM R. HOSKINS, D.B.A., Certified Public Accountant (Washington), *Director of International Business Programs*
M. LEE GODDARD, Ed.D., *Director, College Honors Program*
JOHN W. DARR, PH.D., *Director, College Internship and Management Development Programs*

Department of Accounting, EDWIN C. BOMELI, PH.D., *Chairman*
Department of Business Administration, ROBERT D. HENDERSON, PH.D., *Chairman*
Department of Business Education, MEARL R. GUTHRIE, PH.D., *Chairman*
Department of Economics, BEVARS D. MABRY, PH.D., *Chairman*
Department of Marketing, MAURICE I. MANDELL, D.B.A., *Chairman*
The School of Journalism, JESSE J. CURRIER, M.A., *Director*
Department of Aerospace Studies, LT. COL. WESLEY K. HOFFMAN, B.A., *Chairman*
Department of Military Science, COL. WILLIAM V. N. GRACE, M.B.A., *Chairman*

EXECUTIVE COMMITTEE

RAYMOND F. BARKER <i>Chairman</i>	JOHN W. DARR (1969)
HARVEY E. DONLEY (1967) <i>Secretary</i>	ROBERT D. HENDERSON (1967)
EDWIN C. BOMELI (1969)	WILLIAM R. HOSKINS (1968)
JEFF CLARK (1967)	HARMON VOSKUIL (1968)

WILLIAM F. SCHMELTZ, *ex-officio*

CURRICULUM COMMITTEE

HARVEY E. DONLEY (1967) <i>Chairman</i>	JEFF CLARK (1969)
JAMES D. BOWLING (1969) <i>Secretary</i>	HOWARD B. HUFFMAN (1967)
RAYMOND F. BARKER (1968)	NORMAN MILLER (1967)

WILLIAM F. SCHMELTZ, *ex-officio*

ORGANIZATION OF THE COLLEGE

The College of Business Administration consists of five departments of instruction in business administration and a School of Journalism. The five departments—Accounting, Business Administration, Business Education, Economics, and Marketing—offer 20 undergraduate sequences and a comprehensive graduate program covering the major phases of business activity. Undergraduate sequences are available in the fundamental fields of accounting, administrative science, business pre-law, business statistics, economic geography, economics (with concentrations in theory, the regulated industries, and real estate), finance, general business, industrial management and production, insurance, marketing (with concentrations in advertising, marketing research, retailing, and sales management), office management, personnel management and industrial relations, procurement and materials management, and secretarial administration. The student who satisfactorily completes one of these curricula receives the degree *Bachelor of Science in Business Administration*. Descriptions of individual programs in business begin on page 117.

The School of Journalism offers professional training in five areas—news writing and editing, photography, publication management, public relations, and radio and television journalism. The student who satisfactorily completes one of these curricula receives the degree *Bachelor of Science in Journalism*. Descriptions of the journalism programs begin on page 139.

The Departments of Aerospace Studies and Military Science are assigned to the College of Business Administration for administrative purposes. These departments offer every qualified student of the University the opportunity for receiving a limited amount of military leadership training, while pursuing his principal academic objectives. The student who successfully completes the advanced course is commissioned a second lieutenant in the U. S. Air Force Reserve or the U. S. Army Reserve upon graduation. (See pages 35-38.)

THE FIELD OF BUSINESS

The business world has grown in complexity in recent years. Significant developments in quantitative decision theory, the behavioral sciences, and computer technology have made it necessary for those contemplating career objectives in administrative positions to be adequately prepared in a wide variety of related disciplines. Similarly, future executives must have a high quality professional education in business theory and practices.

Business is a broad area of human endeavor. Primarily, it is concerned with the production and distribution of goods and services which are needed and desired. Those who contemplate careers and anticipate success in business leadership have a great challenge before them.

ACADEMIC OBJECTIVES OF THE CURRICULA IN BUSINESS ADMINISTRATION

The foremost consideration in all curricula in business administration is to provide each student with a broad, liberal education. Thus, many of the degree requirements are in the humanities, the sciences, and the social sciences. The courses in business administration are designed not only for professional competency, but also to develop the whole individual as a responsible, useful citizen in society.

Professional education in business administration should not be confused with vocational education. These curricula are not designed to train technicians. Rather, they serve to develop the capabilities of students so that they may assume positions of leadership and responsibility in the administration of business. To accomplish these ends, instruction in business administration places emphasis on developing the student's ability to think and make decisions.

To provide for a sound foundation and a broad appreciation of the world of business, students are required to complete a common core of basic business courses. These courses provide students with a background of the inter-relationship of the various functional areas of business and with a knowledge of the tools necessary for decision making.

Each curriculum provides the student with an opportunity of examining some particular discipline in sufficient depth to develop an acceptable level of competency in the field. Finally, a substantial amount of latitude is provided in all curricula to permit the student to elect additional courses to round out his total educational experience.

Thus, the curricula in business administration provide the student with: (1) a total educational experience; (2) breadth of understanding of the business world; (3) depth of knowledge in a particular business field. The degree in business administration not only serves as preparation for assuming positions of responsibility in business and society, but also for graduate study in business administration, law, and public administration.

STANDARDS OF PERFORMANCE AND ACCREDITATION

To meet the challenges of the business world the academic program of the College of Business Administration requires high standards of performance. The emphasis of the programs is designed to provide an intellectual challenge to those students who would assume the responsibility for tomorrow's business leadership.

The College of Business Administration offers as an adjunct to the University Honors Program, a College Honors Program which permits students of outstanding ability to enter special sections of core courses which present a more intensified exposure to the subject and a greater challenge to the student. Readings-in-honors and other courses offer the superior student the opportunity for individual study and stimulating discussions.

The College of Business Administration is a fully accredited member of the American Association of Collegiate Schools of Business. Such accreditation is given only to schools which maintain the highest standards of performance. Degrees granted by such accredited colleges are widely recognized by both major businesses and graduate schools.

REQUIREMENTS FOR GRADUATION

A candidate for the degree of Bachelor of Science in Business Administration must complete the following requirements for graduation:

- (a) Complete in residence at least 30 hours of credit immediately preceding graduation.
- (b) Earn a minimum of 124 hours of credit, including 4 hours of health and physical education.*
- (c) Earn a point-hour average of at least 2.0 in all courses undertaken in residence.
- (d) Meet the group requirements in general and professional education, and other requirements pertaining to individual areas of professional specialization on the following pages.

A candidate for graduation must file an *Application for Graduation* with the Registrar not later than the first week of his final semester or summer session. Forms may be obtained at the Registrar's Office.

BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION CURRICULUM

General Education Requirements (60 semester hours)

GROUP I—Communication Arts. Each student is required to complete English 101 and 102, or 103, or to demonstrate by examination that he has a proficiency in written expression equivalent to that attained by those who complete these courses. Each student is also required to complete Speech 102 and Bus. Adm. 303, Business Writing.

GROUP II—Mathematics, Science and Quantitative Measurements. Each student is required to complete 6 hours of science courses with laboratories, Elementary Statistical Methods, Stat. 202; An Introduction to Data Handling and Computers, Acctg. 230; and one of the following alternatives:

- (a) Three hours of mathematics at the 100 level or above, exclusive of Elementary Mathematics, Math. 241-242, and a course in logic or philosophy of science.
- (b) Six hours of mathematics in college at the 100 level or above, exclusive of Math. 241-242.
- (c) Mathematics proficiency from high school or other preparation equivalent to that attained by students who complete Mathematics 123 or 124. An entering placement test in mathematics may establish this proficiency.

*Two hours of this requirement can be met by completing the basic course in either Army or Air Force ROTC. The balance of credit earned in the advanced course can either be applied to meet Group V or Group VIII requirements.

GROUP III—Social Science. Each student is required to complete Principles of Economics, Econ. 201-202; Money, Banking and Public Policy, Econ. 311; American Government and Citizenship, Pol. Sci. 201; and 6 additional hours from the departments of Geography, History, Political Science, Psychology, and Sociology.

GROUP IV—Humanities. Each student is required to complete 6 hours of credit from an approved list of humanities courses in the areas of literature, drama, philosophy, music appreciation, art appreciation, and appreciation of the theatre. A list of acceptable courses is available in the College of Business Administration office or from faculty advisers.

GROUP V—Non-Business Electives. Each student is required to complete at least 6 additional hours in non-business fields. Academic advisers will assist each student in selecting courses which will broaden or deepen his general education.*

Professional Requirements (60 semester hours)

GROUP VI—Professional Core. Each candidate for the degree of Bachelor of Science in Business Administration is required to complete a common core of professional courses as follows:

Accounting Concepts and Procedures I and II, Acctng. 121-122	6
Business Finance, Finance 341	3
Production and Operations Management, Mgt. 351	3
Principles of Marketing, Mkt. 300	3
Introductory Contracts, Bus. Law 315 or General Business Law 301 (Students may enroll for credit in one or the other but not in both.)	3
Government and Business, Bus. Adm. 403; or Business Policy and Practices, Bus. Adm. 405. Students majoring in economics may elect Social Control of Economic Activity, Econ. 471	3
	21

GROUP VII—Professional Specialization. Requirements in the area of professional specialization are listed on the following pages. Total hours in Group VII is 21 hours for most curricula.

GROUP VIII—Free Electives. The remainder of the academic program consists of free electives to meet the student's specific educational objective. These electives should be selected in consultation with the student's adviser. Some areas of professional specialization specify certain courses which, in the opinion of the faculty, have a special importance. A student may cross college lines in meeting this requirement and take academic work in any of the departments of the University.

*Credits earned in Army and Air Force ROTC may be applied to meet this requirement.

THE CURRICULA

The pages which follow show how and when group requirements may be met for the degree Bachelor of Science in Business Administration. Each of the specializations and concentrations within a specialization is different in its requirements; therefore, each is given in its entirety to permit the student to see his specialization as an integrated whole and to follow the requirements with ease. The Roman numerals in parentheses () refer to the groups to which the courses are applicable.

ACCOUNTING

A curriculum for the student who elects accounting as the area of specialization. A student may complete the minimum of 21 hours as outlined in the curriculum which follows. He also may, beginning in the third year, elect additional courses in accounting and related areas to prepare more specifically for areas of concentration within the accounting field, such as auditing, taxes, and governmental; cost and systems; or management advisory services. Acctng. 121-122 and 230 are business core courses, required of all Business Administration degree students.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 121	(VI) 3	Acctng. 122	(VI) 3
English 101	(I) 3	English 102	(I) 3
Math. elective	(II) 3	Math. elective	(II) 3
Science elective	(II) 3	Science elective	(II) 3
Speech 102	(I) 3	Elective*	3
HPE 101	1	HPE 102	1
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 225	(VII) 4	Acctng. 226	(VII) 3
Econ. 201	(III) 3	Acctng. 230	(II) 3
Pol. Sci. 201	(III) 3	Econ. 202	(III) 3
Stat. 202	(II) 3	Electives*	6
HPE 201	1	HPE 202	1
	14		16

*See electives on page 118.

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 321	(VII)	3	Acctng. 323	(VII)	1
Acctng. 324	(VII)	1	Acctng. elective**	(VII)	3
Bus. Law 301/315	(VI)	3	Bus. Adm. 303	(I)	3
Econ. 311	(III)	3	Mkt. 300	(VI)	3
Finance 341	(VI)	3	Electives*		6
Mgt. 351	(VI)	3			
		16			16

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. elective**	(VII)	3	Acctng. 429/430	(VII)	3
Electives*		12	Bus. Adm. 403/405	(VI)	3
			Electives*		9
		15			15

The qualified student may elect to enrich his program by taking one or more of the following courses in addition to required courses: Acctng. 295, 395, 495.

The department requires that the student elect a minimum of 6 additional hours from the areas of mathematics, statistics, economics, business law or communications skills to apply to Group VIII requirements.

**Acctng. 409, 451 are options not meeting the minimum of 21 hours required for a specialization in accounting. Group VII electives and related course suggestions should be selected in consultation with the student's adviser.

°Electives

For those students who prefer further concentration within the accounting area, the Department suggests the following electives:

<i>Auditing, Tax, Governmental</i>	<i>Cost and Systems</i>	<i>Management Services</i>
Third year		
Acctng. 424†, 427	Acctng. 426	Acctng. 424, 426
Bus. Law 302†, or 418		
Fourth year		
Acctng. 423†, 428†,	Acctng. 425, 429, 430†	Acctg. 423, 425, 429,
429† or 430†	Mgt. 450	430†
		Mgt. 457

†Additional courses above the minimum requirements for area of concentration are desirable for public accounting careers because of the breadth and level of knowledge required for successful completion of the CPA examination.

‡Either Acctng. 429 or 430 is required; both are desirable.

ADMINISTRATIVE SCIENCE

A curriculum for the student with a strong background in science and mathematics who is interested in a business position in the expanding field of operations research, industrial management, and management systems analysis.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 121	(VI) 3	Acctng. 122	(VI) 3
English 101	(I) 3	English 102	(I) 3
Math. elective*	(II) 5	Math. elective*	(II) 3
Science elective*	(II) 3	Science elective*	(II) 3
HPE 101	1	Speech 102	(I) 3
		HPE 102	1
	---		---
	15		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Econ. 311	(III) 3	Acctng. 230	(II) 3
Stat. 202	(II) 3	Econ. 202	(III) 3
Electives*	6	Pol. Sci. 201	(III) 3
Eng. Drwg. 101	(VII) 3	Stat. 203	(VII) 3
HPE 201	1	Elective*	3
		HPE 202	1
	---		---
	16		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
B.A. 303	(I) 3	Bus. Law 301/315	(VI) 3
Econ. 311	(III) 3	Mgt. 351	(VI) 3
Finance 341	(VI) 3	Mgt. elective*	(VII) 3
Mgt. 350	(VII) 3	Mkt. 300	(VI) 3
Stat. 301	(VII) 3	Elective*	(VIII) 4
	---		---
	15		16

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Mgt. 306	(VII) 3	Bus. Adm. 403/405	(VI) 3
Mgt. elective*	(VII) 3	Electives*	12
Electives*	9		---
	---		---
	15		15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
II Mathematics	5-10	Math. 131 or higher. Lower level mathematics courses should be used to fulfill Group V or VIII requirements.
Science	6	Science sequence in one of the following: Biol. 110, 111, or 112 Chem. 101, 102 Physics 110, 201, 202 Geol. 101, 102
III Social Sciences	6	Psych. 201; Soc. 201
IV Humanities	6	
V Non-business	6	Math. 123, 124, 233, or science elective
VIII Other (free)	18	Stat. 401, 402; Econ. 402, 404; Acctng. 225, 425

ADVERTISING (Marketing)

A marketing curriculum for the student who is interested in a career in advertising in commercial and industrial establishments or in the advertising agency. For other marketing curricula see: Marketing Research, Retailing; Selling and Sales Management.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Math. elective	(II)	3	Math. elective	(II)	3
Science elective	(II)	3	Science elective	(II)	3
Elective*		3	Elective*		3
HPE 101		1	HPE 102		1
16			16		

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 201	(III)	3	Acctng. 230	(II)	3
Speech 102	(I)	3	Econ. 202	(III)	3
Stat. 202	(II)	3	Pol. Sci. 201	(III)	3
Electives*		6	Electives*		6
HPE 201		1	HPE 202		1
16			16		

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Finance 341	(VI)	3	Bus. Law 315/301	(VI)	3
Mgt. 351	(VI)	3	Econ. 311	(III)	3
Mkt. 300	(VI)	3	Mkt. 401	(VII)	3
Electives*		6	Mkt. 410	(VII)	3
15			15		

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Adm. 403/405	(VI)	3
Mkt. 402	(VII)	3	Mkt. 403	(VII)	3
Mkt. 411	(VII)	3	Mkt. 412	(VII)	3
Electives*		6	Mkt. 420	(VII)	3
15			15		

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Psych. 201
IV Humanities	6	Art 101
V Non-business	6	Journ. 340; Speech 261
VIII Other (free)	18	Mkt. 340, 430, 441; English 207

BUSINESS PRE-LAW

A curriculum to prepare the student for professional training in a law school, recognizing the business and economic emphasis of the practice of law while providing the breadth of training and the philosophical background which is conducive to success in a law-school program.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Math. elective	(II)	3	Math. elective	(II)	3
Science elective	(II)	3	Science elective	(II)	3
Elective*		3	Speech 102	(I)	3
HPE 101		1	HPE 102		1
		---			---
		16			16

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 201	(III)	3	Acctng. 223	(VII)	1
English 207	(VII)	3	Acctng. 230	(II)	3
Pol. Sci. 201	(III)	3	Econ. 202	(III)	3
Stat. 202	(II)	3	Electives*		8
Elective*		3	HPE 202		1
HPE 201		1			---
		---			16
		16			

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 311	(III)	3	Bus. Law 301/315	(VI)	3
Finance 341	(VI)	3	Insurance 361	(VII)	3
Mgt. 351	(VI)	3	Mkt. 300	(VI)	3
Electives*		6	Speech 303	(VII)	3
		---	Elective*		3
		15			---
					15

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Adm. 403/405	(VI)	3
Business elective	(VII)	2	Business elective	(VII)	3
Econ. 321 or 361	(VII)	3	Econ. 331	(VII)	3
Electives*		7	Electives*		6
		---			---
		15			15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Pol. Sci. 202; Hist. 351
IV Humanities	6	Phil. 203
V Non-business	6	Hist. 323, 324
VIII Other (free)	18	Acctng. 223

BUSINESS STATISTICS

A curriculum for the student who is interested in a career in statistical analysis and research in commercial, industrial, and financial establishments, labor organizations, or government institutions.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 121	(VI) 3	Acctng. 122	(VI) 3
English 101	(I) 3	English 102	(I) 3
Math. elective	(II) 3	Math. elective	(II) 3
Science elective	(II) 3	Science elective	(II) 3
Speech 102	(I) 3	Elective*	3
HPE 101	1	HPE 102	1
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 230	(II) 3	Econ. 202	(III) 3
Econ. 201	(III) 3	Pol. Sci. 201	(III) 3
Math. 232	(VII) 5	Stat. 203	(VII) 3
Stat. 202	(II) 3	Electives*	6
HPE 201	1	HPE 202	1
	15		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bus. Law 301/315	(VI) 3	Econ. 311	(III) 3
Mkt. 300	(VI) 3	Finance 341	(VI) 3
Stat. 301	(VII) 3	Mgt. 351	(VI) 3
Electives*	6	Stat. 302	(VII) 3
		Electives*	4
	15		16

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Stat. 402/403/406	(VII) 3	Bus. Adm. 303	(I) 3
Electives*	12	Bus. Adm. 403/405	(VI) 3
		Stat. 402/403/406	(VII) 3
		Electives*	6
	15		15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	
IV Humanities	6	
V Non-business	6	Math. 441, 442
VIII Other (free)	19	Econ. 401; B.A. 404

ECONOMICS

The Department of Economics has three major objectives: preparation for graduate school, professional training, and a general liberal education. It aims to acquaint the student with various aspects of modern society; to acquaint him with techniques for the analysis of modern economic problems; and to develop in him an ability to exercise sound judgment in evaluating public policies. Preparation is afforded the general student as well as the one who plans a career as an economist in civil service, private enterprise, or in research. Three areas of concentration are offered: Economic Theory, The Regulated Industries, and Real Estate. The first two years outlined below, are the same for all three areas:

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 121	(VI) 3	Acctng. 122	(VI) 3
English 101	(I) 3	English 102	(I) 3
Math. elective	(II) 3	Math. elective	(II) 3
Science elective	(II) 3	Science elective	(II) 3
Speech 102	(I) 3	Elective*	3
HPE 101	1	HPE 102	1
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 230	(II) 3	Econ. 202	(III) 3
Econ. 201	(III) 3	Stat. 202	(II) 3
Pol. Sci. 201	(III) 3	Electives*	9
Electives*	6	HPE 202	1
HPE 201	1		
	16		16

*Electives:

<i>Group</i>	<i>Hours Required</i>
III Social Sciences	6
IV Humanities	6
V Non-business	6
VIII Other (free)	18

AREAS OF CONCENTRATION

The following courses are required during the third and fourth years:

ECONOMIC THEORY

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Law 315 or 301	(VI)	3
Econ. 311	(III)	3	Econ. 403*	(VII)	3
Econ. 401*	(VII)	3	Econ. 471, Bus. Adm.		
Econ. 402 or 473**	(VII)	3	403 or 405	(VI)	3
Finance 341	(VI)	3	Mgt. 351	(VI)	3
Electives, professional***	(VII)	6	Mkt. 300	(VI)	3
Electives, free		9	Electives, professional***	(VII)	6
		---	Electives, free		9
		30			---
					30

THE REGULATED INDUSTRIES

(Transportation and Public Utilities)

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Law 315 or 301	(VI)	3	Bus. Adm. 303	(I)	3
Econ. 311	(III)	3	Econ. 442	(VII)	3
Econ. 331	(VII)	3	Econ. 443	(VII)	3
Econ. 441	(VII)	3	Econ. 444	(VII)	3
Econ. 445	(VII)	3	Econ. 447	(VII)	3
Finance 341	(VI)	3	Econ. 471, Bus. Adm.		
Electives		12	403 or 405	(VI)	3
		---	Mgt. 351	(VI)	3
		30	Mkt. 300	(VI)	3
			Electives		6

					30

REAL ESTATE

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Law 415	(VII)	3
Bus. Law 315 or 301	(VI)	3	Econ. 311	(III)	3
Econ. 331	(VII)	3	Econ. 460	(VII)	3
Econ. 361	(VII)	3	Econ. 461	(VII)	3
Finance 341	(VI)	3	Econ. 471, Bus. Adm.		
Mgt. 351	(VI)	3	403 or 405	(VI)	3
Electives		12	Insurance 361	(VII)	3
		---	Mkt. 300	(VI)	3
		30	Soc. 405	(VII)	3
			Electives		6

					30

*To be taken during the third year.

**To be taken during the fourth year, first or second semester.

***Professional electives may be chosen from the following courses: Econ. 311, 321, 331, 351, 361, 371, 402, 404, 414, 423, 424, 441, 447, 451, 472, 473, 474, 491, 495. For students interested in acquiring depth in an area, the following course sequences are recommended:

ECONOMIC ANALYSIS: Econ. 402, 404, 424, 473.

MONEY AND PUBLIC FINANCE: Econ. 331, 414.

LABOR ECONOMICS: Econ. 321, 423, 424.

PUBLIC ECONOMIC POLICY: Econ. 414 or 321, 441, 447.

INTERNATIONAL ECONOMICS: Econ. 351, 371, 451.

ECONOMIC SYSTEMS: Econ. 371, 472, 474.

Additional depth in any area can be obtained from Econ. 491.

ECONOMIC GEOGRAPHY

A curriculum for the student who is interested in a career in industrial development, urban and regional planning, or with a government agency associated with the analysis of economic areas such as the Census Bureau, the Area Redevelopment Program, intelligence agencies, and planning commissions.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Geog. 110	(II)	3	Geog. 102	(VII)	3
Math. elective	(II)	3	Geog. 111	(II)	3
Speech 102	(I)	3	Math. elective	(II)	3
HPE 101		1	HPE 102		1
		<hr/>			<hr/>
		16			16

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 230	(II)	3	Econ. 202	(III)	3
Econ. 201	(III)	3	Pol. Sci. 201	(III)	3
Geog. 211	(VII)	3	Stat. 202	(II)	3
Geog. 225	(VII)	3	Electives*		6
Elective*		3	HPE 202		1
HPE 201		1			
		<hr/>			<hr/>
		16			16

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Law 301/315	(VI)	3	Econ. 311	(III)	3
Mgt. 351	(VI)	3	Finance 341	(VI)	3
Mkt. 300	(VI)	3	Geog. 426	(VII)	3
Electives*		6	Electives*		6
		<hr/>			<hr/>
		15			15

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 441	(VII)	3	Bus. Adm. 303	(I)	3
Geog. 402	(VII)	3	Econ. 471 or Bus. Adm.		
Stat. 301	(VII)	3	403/405	(VI)	3
Electives*		6	Electives*		9
		<hr/>			<hr/>
		15			15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Pol. Sci. 202; Soc. 201
IV Humanities	6	
V Non-business	6	Geog. 331, 410, 452
VIII Other (free)	18	Econ. 331, 361, 460

FINANCE—BANKING AND CREDIT MANAGEMENT

A curriculum for students who are interested in specializing for work in the financial management of banks, business enterprises, brokerage establishments, and investment houses.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Math. elective	(II)	3	Math. elective	(II)	3
Science elective	(II)	3	Science elective	(II)	3
Elective*		3	Speech 102	(I)	3
HPE 101		1	HPE 102		1
<hr/>			<hr/>		
16			16		

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 201	(III)	3	Acctng. 230	(II)	3
Stat. 202	(II)	3	Econ. 202	(III)	3
Electives*		9	Pol. Sci. 201	(III)	3
HPE 201		1	Electives*		6
			HPE 202		1
<hr/>			<hr/>		
16			16		

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 311	(III)	3	Bus. Law 301/315	(VI)	3
Finance 341	(VI)	3	Finance elective**	(VII)	3
Mgt. 351	(VI)	3	Mkt. 300	(VI)	3
Electives*		6	Electives*		6
<hr/>			<hr/>		
15			15		

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Adm. 403/405	(VI)	3
Bus. Adm. 404	(VII)	3	Finance 444	(VII)	3
Bus. Law elective	(VII)	3	Finance 447	(VII)	3
Finance 448	(VII)	3	Electives*		6
Finance elective**	(VII)	3			
<hr/>			<hr/>		
15			15		

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Psych. 201; Soc. 201; Hist. 204/206
IV Humanities	6	
V Non-business	6	
VIII Other (free)	18	

** Finance electives totaling 6 hours may be chosen from Econ. 331, 414, 451, 461; Finance 442, 445, 446, 449; Insurance 361.

GENERAL BUSINESS

A curriculum for the student who desires to obtain greater breadth by choosing selected courses from two or more of the various fields of the College.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Math. elective	(II)	3	Math. elective	(II)	3
Science elective	(II)	3	Science elective	(II)	3
Elective*		3	Speech 102	(I)	3
HPE 101		1	HPE 102		1
		<hr/>			<hr/>
		16			16

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 201	(III)	3	Acctng. 230	(II)	3
Stat. 202	(II)	3	Econ. 202	(III)	3
Electives*		9	Pol. Sci. 201	(III)	3
HPE 201		1	Electives*		6
			HPE 202		1
		<hr/>			<hr/>
		16			16

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 311	(III)	3	Bus. Law 301/315	(VI)	3
Finance 341	(VI)	3	Professional		
Mgt. 351	(VI)	3	Specialization**	(VII)	6
Mkt. 300	(VI)	3	Electives*		6
Elective*		3			
		<hr/>			<hr/>
		15			15

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Adm. 403/405	(VI)	3
Professional			Professional		
Specialization**	(VII)	9	Specialization**	(VII)	6
Elective *		3	Electives*		6
		<hr/>			<hr/>
		15			15

*See electives, page 128.

**See sequences, page 128.

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Soc. 201; Hist. 205, 206; Psych. 201
IV Humanities	6	Art 101; English 161, 162, 204; Phil. 201, 203
V Non-business	6	Speech 203, 212, 214; Math. 123, 131
VIII Other (free)	18	

**Twenty-one hours must be elected from at least two of the following fields: Accounting, Economics, Finance, Insurance, Management, Marketing, Statistics, and Stenography-typing, with not more than 15 hours in any one field.

Suggested sequences are:

ACCOUNTING: 223, 225, 226, 321, 324, 426, 430

ECONOMICS: 371, 402, 403, 471, 473, 474

FINANCE: 442, 444, 446, 447, 448, 449

INSURANCE: 361, 464, 462, or 468, 466, 467

MARKETING: 402, 410, 421, 430, 441

PERSONNEL MANAGEMENT: 350, 354, 457, 458, 460

PRODUCTION MANAGEMENT: 350, 353, 354, 450, 457, 460

REAL ESTATE: Econ. 331, 361, 460, 461

REGULATED INDUSTRIES: Econ. 331, 351, 441, 442, 443, 444, 445, 447

SECRETARIAL ADMINISTRATION: Bus. Educ. 210, 311, 312, 328, 401, 455

STATISTICS: 203, 301, 302, 403, 406

INDUSTRIAL MANAGEMENT AND PRODUCTION

A curriculum for the student interested in manufacturing and other production operations. It is particularly suitable for persons interested either in line or staff management positions in such areas as production, quality control, and work design.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Math. elective	(II)	3	Math. elective	(II)	3
Science elective	(II)	3	Science elective	(II)	3
Speech 102	(I)	3	Elective*		3
HPE 101		1	HPE 102		1
		<hr/>			<hr/>
		16			16

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 230	(II)	3	Econ. 202	(III)	3
Econ. 201	(III)	3	Stat. 202	(II)	3
Pol. Sci. 201	(III)	3	Electives*		9
Electives*		6	HPE 202		1
HPE 201		1			
		<hr/>			<hr/>
		16			16

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Law 301/315	(VI)	3	Econ. 311	(III)	3
Mgt. 350	(VII)	3	Finance 341	(VI)	3
Mgt. 353	(VII)	3	Mgt. 351	(VI)	3
Mkt. 300	(VI)	3	Electives*		6
Elective*		3			
		<hr/>			<hr/>
		15			15

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Adm. 403/405	(VI)	3
Econ. 321	(VII)	3	Mgt. 354	(VII)	3
Mgt. 457	(VII)	3	Mgt. 450	(VII)	3
Electives*		6	Mgt. 460	(VII)	3
			Elective*		3
		<hr/>			<hr/>
		15			15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Psych. 201, 351
IV Humanities	6	
V Non-business	6	Math. 123, 131, 232;
		Eng. Drawing 101
VIII Other (free)	18	Econ. 423, 444

INSURANCE

A curriculum for the student who wishes to prepare for a career in the field of life insurance, or casualty and property insurance.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Math. elective	(II)	3	Math. elective	(II)	3
Science elective	(II)	3	Science elective	(II)	3
Speech 102	(I)	3	Elective*		3
HPE 101		1	HPE 102		1
		<hr/>			<hr/>
		16			16

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 230	(II)	3	Econ. 202	(III)	3
Econ. 201	(III)	3	Stat. 202	(II)	3
Pol. Sci. 201	(III)	3	Electives*		9
Electives*		6	HPE 202		1
HPE 201		1			
		<hr/>			<hr/>
		16			16

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Law 301/315	(VI)	3	Econ. 311	(III)	3
Insurance 361	(VII)	3	Finance 341	(VI)	3
Mgt. 351	(VI)	3	Insurance 463	(VII)	3
Mkt. 300	(VI)	3	Electives*		6
Elective*		3			
		<hr/>			<hr/>
		15			15

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Insurance 465	(VII)	3	Bus. Adm. 303	(I)	3
Insurance 467	(VII)	3	Bus. Adm. 403/405	(VI)	3
Electives*		9	Insurance 469	(VII)	3
		<hr/>	Insurance 470	(VII)	3
		15	Elective*		3
					<hr/>
					15

*Electives:

<i>Group</i>	<i>Hours Required</i>
III Social Sciences	6
IV Humanities	6
V Non-business	6
VIII Other (free)	18

*Hours Required**Suggested Courses*

Psych. 201; Soc. 201
Phil. 201, 203
Bus. Law 413;
Finance 444/448;
Mkt. 340

MARKETING RESEARCH
(Marketing)

A marketing curriculum for the student who wishes to prepare for research responsibilities in marketing departments of manufacturers, advertising agencies, and research service organizations. For other marketing curricula see: Advertising, Retailing, Selling and Sales Management.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 121	(VI) 3	Acctng. 122	(VI) 3
English 101	(I) 3	English 102	(I) 3
Math. elective	(II) 3	Math. elective	(II) 3
Science elective	(II) 3	Science elective	(II) 3
Elective*	3	Elective*	3
HPE 101	1	HPE 102	1
	<hr/> 16		<hr/> 16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Econ. 201	(III) 3	Acctng. 230	(II) 6
Speech 102	(I) 3	Econ. 202	(III) 3
Stat. 202	(II) 3	Pol. Sci. 201	(III) 3
Electives*	6	Elective*	3
HPE 201	1	HPE 202	1
	<hr/> 16		<hr/> 16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bus. Law 301/315	(VI) 3	Econ. 311	(III) 3
Finance 341	(VI) 3	Mkt. 401	(VII) 3
Mgt. 351	(VI) 3	Mkt. 420	(VII) 3
Mkt. 300	(VI) 3	Stat. 203	(VII) 3
Elective*	3	Elective*	3
	<hr/> 15		<hr/> 15

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bus. Adm. 303	(I) 3	Bus. Adm. 403/405	(VI) 3
Mkt. 402	(VII) 3	Mkt. 403	(VII) 3
Stat. 301	(VII) 3	Mkt. 421	(VII) 3
Electives*	6	Electives*	6
	<hr/> 15		<hr/> 15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Psych. 201; Soc. 201
IV Humanities	6	
V Non-business	6	
VIII Other (free)	18	Acctng. 227, Bus. Adm. 404; Econ. 402; Mkt. 410, 441

OFFICE MANAGEMENT

A curriculum for the student who wishes to specialize in the planning, organizing, and control of office work. This curriculum will also introduce the student to the subdivisions of records management, forms design and control, systems and procedures, and data processing. This program and a specified amount of practical office experience will enable a student to qualify for a professional certificate in office management issued by the Administrative Management Society.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	Bus. Educ. 112†	(VII)	2
Math. elective	(II)	3	English 102	(I)	3
Science elective	(II)	3	Math. elective	(II)	3
Speech 102	(I)	3	Science elective	(II)	3
HPE 101		1	HPE 102		1
		16			15

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 225	(VII)	4	Acctng. 226	(VII)	3
Bus. Educ. 210	(VII)	3	Econ. 202	(III)	3
Bus. Educ. 230	(VII)	3	Stat. 202	(II)	3
Econ. 201	(III)	3	Electives*		6
Pol. Sci. 201	(III)	3	HPE 202		1
HPE 201		1			
		17			16

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 230	(II)	3	Econ. 311	(III)	3
Bus. Law 301/315	(VI)	3	Finance 341	(VI)	3
Mgt. 351	(VI)	3	Mgt. 354	(VII)	3
Mkt. 300	(VI)	3	Electives*		6
Elective*		3			
		15			15

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Adm. 403/405	(VI)	3
Bus. Educ. 455	(VII)	3	Electives*		12
Electives*		9			
		15			15

†May be excused from the course (but not the hours) with high school equivalent or through proficiency examination.

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Soc. 201
IV Humanities	6	
V Non-business	6	Psych. 201; Speech 203
VIII Other (free)	18	

PERSONNEL MANAGEMENT—INDUSTRIAL RELATIONS

A curriculum for the student who is preparing for a career in personnel management and industrial relations, including manpower development, labor relations, job evaluation, wage and salary administration, industrial health and safety, employee services, grievance procedures, and collective bargaining.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Math. elective	(II)	3	Math. elective	(II)	3
Science elective	(II)	3	Science elective	(II)	3
Speech 102	(I)	3	Elective*		3
HPE 101		1	HPE 102		1
		<hr/>			<hr/>
		16			16

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 230	(II)	3	Econ. 202	(III)	3
Econ. 201	(III)	3	Stat. 202	(II)	3
Pol. Sci. 201	(III)	3	Electives*		9
Electives*		6	HPE 202		1
HPE 201		1			
		<hr/>			<hr/>
		16			16

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Law 301/315	(VI)	3	Econ. 311	(III)	3
Econ. 321	(VII)	3	Finance 341	(VI)	3
Mgt. 350	(VII)	3	Mgt. 351	(VI)	3
Mkt. 300	(VI)	3	Mgt. 354	(VII)	3
Elective*		3	Elective*		3
		<hr/>			<hr/>
		15			15

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Mgt. 457	(VII)	3	Bus. Adm. 303	(I)	3
Mgt. 458	(VII)	3	Bus. Adm. 403/405	(VI)	3
Mgt. 459	(VII)	3	Mgt. 460	(VII)	3
Electives*		6	Electives*		6
		<hr/>			<hr/>
		15			15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Psych. 201, 351
IV Humanities	6	
V Non-business	6	
VIII Other (free)	18	Econ. 423

PROCUREMENT AND MATERIALS MANAGEMENT

A curriculum for the student who is interested in the area of Procurement and Materials Management. The course of study includes an integrated approach to the functions of procurement, materials control, traffic shipping and receiving activities.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Math. elective	(II)	3	Math. elective	(II)	3
Science elective	(II)	3	Science elective	(II)	3
Elective*		3	Speech 102	(I)	3
HPE 101		1	HPE 102		1
		<hr/>			<hr/>
		16			16

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 201	(III)	3	Acctng. 230	(II)	3
Eng. Drawing 101	(VII)	3	Econ. 202	(III)	3
Stat. 202	(II)	3	Pol. Sci. 201	(III)	3
Electives*		6	Electives*		6
HPE 201		1	HPE 202		1
		<hr/>			<hr/>
		16			15

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 311	(III)	3	Bus. Law 301/315	(VI)	3
Finance 341	(VI)	3	Mgt. 351	(VI)	3
Mgt. 350	(VI)	3	Mgt. 354	(VII)	3
Mgt. 353	(VII)	3	Mkt. 300	(VI)	3
Elective*		3	Elective*		3
		<hr/>			<hr/>
		15			15

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Adm. 403/405	(VI)	3
Bus. Adm. 404	(VII)	3	Econ. 444	(VII)	3
Electives*		9	Mgt. 450	(VII)	3
		<hr/>	Mgt. 456	(VII)	3
		15	Elective*		3
					<hr/>
					15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Soc. 201
IV Humanities	6	
V Non-business	6	Math. 123, 131, 232; Indust. Arts 111
VIII Other (free)	18	Bus. Law 416; Mgt. 460; Mkt. 441

RETAILING
(Marketing)

A marketing curriculum for the student who wishes to prepare for managerial responsibilities in retailing. For other marketing curricula see: Advertising, Marketing Research, Selling and Sales Management.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 121	(VI) 3	Acctng. 122	(VI) 3
English 101	(I) 3	English 102	(I) 3
Math. elective	(II) 3	Math. elective	(II) 3
Science elective	(II) 3	Science elective	(II) 3
Elective*	3	Elective*	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Econ. 201	(III) 3	Acctng. 230	(II) 6
Speech 102	(I) 3	Econ. 202	(III) 3
Stat. 202	(II) 3	Pol. Sci. 201	(III) 3
Electives*	6	Elective*	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	16		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bus. Law 301/315	(VI) 3	Econ. 311	(III) 3
Finance 341	(VI) 3	Mkt. 401	(VII) 3
Mgt. 351	(VI) 3	Mkt. 410	(VII) 3
Mkt. 300	(VI) 3	Mkt. 430	(VII) 3
Elective*	3	Elective*	3
	<hr/>		<hr/>
	15		15

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bus. Adm. 303	(I) 3	Bus. Adm. 403/405	(VI) 3
Mkt. 402	(VII) 3	Mkt. 403	(VII) 3
Mkt. 420	(VII) 3	Mkt. 436	(VII) 3
Electives*	6	Electives*	6
	<hr/>		<hr/>
	15		15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Psych. 201
IV Humanities	6	Art 101
V Non-business	6	Home Econ. 103, 104, 224, 303, 310
VIII Other (free)	18	Mkt. 340, 411; Mgt. 354

SECRETARIAL ADMINISTRATION

A curriculum to prepare the student for secretarial and office-management positions in commercial and industrial establishments, professional offices, and government agencies.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 121	(VI) 3	Acctng. 122	(VI) 3
English 101	(I) 3	English 102	(I) 3
Math. elective	(II) 3	Math. elective	(II) 3
Science elective	(II) 3	Science elective	(II) 3
Elective*	3	Speech 102	(I) 3
HPE 101	1	HPE 102	1
	<hr/> 16		<hr/> 16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bus. Educ. 210	(VII) 3	Acctng. 230	(II) 3
Econ. 201	(III) 3	Bus. Educ. 230	(VII) 3
Stat. 202	(II) 3	Econ. 202	(III) 3
Electives*	6	Pol. Sci. 201	(III) 3
HPE 201	1	Elective*	3
		HPE 202	1
	<hr/> 16		<hr/> 16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bus. Educ. 311	(VII) 3	Bus. Educ. 312	(VII) 3
Econ. 311	(III) 3	Bus. Educ. 314	(VII) 1
Finance 341	(VI) 3	Bus. Law 301/315	(VI) 3
Mgt. 351	(VI) 3	Mkt. 300	(VI) 3
Elective*	3	Electives*	5
	<hr/> 15		<hr/> 15

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bus. Adm. 303	(I) 3	Bus. Adm. 403/405	(VI) 3
Bus. Educ. 455	(VII) 3	Bus. Educ. 401	(VII) 3
Electives*	9	Electives*	9
	<hr/> 15		<hr/> 15

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Psych. 201; Soc. 201
IV Humanities	6	Art 101
V Non-business	6	Home Econ. 104, 105, 224
VIII Other (free)	20	

SELLING AND SALES MANAGEMENT
(Marketing)

A marketing curriculum for the student who is interested in salesmanship or sales management. For other marketing curricula see: Advertising, Marketing Research, Retailing.

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Acctng. 121	(VI)	3	Acctng. 122	(VI)	3
English 101	(I)	3	English 102	(I)	3
Math. elective	(II)	3	Math. elective	(II)	3
Science elective	(II)	3	Science elective	(II)	3
Elective*		3	Elective*		3
HPE 101		1	HPE 102		1
<hr/>			<hr/>		
16			16		

SECOND YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Econ. 201	(III)	3	Acctng. 230	(II)	3
Speech 102	(I)	3	Econ. 202	(III)	3
Stat. 202	(II)	3	Pol. Sci. 201	(III)	3
Electives*		6	Electives*		6
HPE 201		1	HPE 202		1
<hr/>			<hr/>		
16			16		

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Finance 341	(VI)	3	Bus. Law. 315/301	(VI)	3
Mkt. 300	(VI)	3	Econ. 311	(III)	3
Mkt. 340	(VII)	3	Mkt. 401	(VII)	3
Electives*		6	Mkt. 410	(VII)	3
			Elective*		3
<hr/>			<hr/>		
15			15		

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
Bus. Adm. 303	(I)	3	Bus. Adm. 403/405	(VI)	3
Mkt. 402	(VII)	3	Mgt. 351	(VI)	3
Mkt. 441	(VII)	3	Mkt. 403	(VII)	3
Electives*		6	Mkt. 420	(VII)	3
			Elective*		3
<hr/>			<hr/>		
15			15		

*Electives:

<i>Group</i>	<i>Hours Required</i>	<i>Suggested Courses</i>
III Social Sciences	6	Psych. 201
IV Humanities	6	
V Non-business	6	
VIII Other (free)	18	Bus. Adm. 404; Mgt. 354

SHORT COURSE IN SECRETARIAL ADMINISTRATION

Some students who are interested in secretarial administration may prefer a shorter program than the four-year curriculum leading to the degree of Bachelor of Science in Business Administration. A suggested program designed to give these students specific office skills is outlined below. If a student should decide to continue his education after completing one or two years of this program, he will receive full credit in all courses satisfactorily completed. Some modifications may be made in this suggested pattern, depending on the educational background and experience of the student.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 121	3	Acctng. 122	3
Bus. Adm. 102	3	Bus. Educ. 112*	2
Bus. Educ. 111*	2	Bus. Educ. 214*	3
Bus. Educ. 213*	3	English 102	3
English 101	3	Elective†	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	15		15

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Bus. Educ. 210	3	Bus. Adm. 303	3
Bus. Educ. 311	3	Bus. Educ. 220	2
Bus. Educ. 328	3	Bus. Educ. 230	3
Econ. 201	3	Bus. Educ. 312	3
Elective**†	2	Bus. Educ. 401	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	15		15

* A student with sufficient skill may omit this course.

† Suggested electives are: Speech 102; Home Econ. 105, 224; Acctng. 230; Econ. 202.

** Bus. Educ. 314 (Work Experience) should be elected by the student who has had little or no experience in office work.

BUSINESS ADMINISTRATION-EDUCATION

A candidate who has met all the requirements for the degree Bachelor of Science in Business Administration also may qualify for the degree Bachelor of Science in Education and for an Ohio certificate to teach by completing the combined curriculum, including the general and specific graduation requirements for each college. (See pages 79-83 and 115-116.)

The student who desires to pursue the combined program must register in the College of Education as well as in the College of Business Administration, and must maintain a 3.0 average or better. To receive the degree of Bachelor of Science in Education, the student must complete the Comprehensive Major, the Distributive Education Major, or the Basic Business Major in Business Education. The Basic Business Major requires a non-business minor or a distributive education minor. (See pages 85-86.) In addition, the student must take Psych. 201 and 302, appropriate methods courses, meet the group requirements in general education, and participate in a semester of professional concentration, which includes student teaching. (Educ. 331).

A student interested in teaching business or distributive education in high school should consult with the Department of Business Education in planning his program.

THE SCHOOL OF JOURNALISM

JESSE J. CURRIER, A.B., M.A., *Director*

THE FIELD OF JOURNALISM

The field of modern journalism is broad and diversified. Traditionally, journalism and journalism instruction have been identified with the editorial phases of newspaper production. But as new media of mass communication have developed, and the older ones have become more complex, the preparation for journalism has broadened correspondingly. Journalism now is considered to include—in addition to newspaper writing and editing—magazine editing, including specialized publications such as house organs, industrial publications, and technical periodicals; editorial work in the publicity and public relations fields, in both business and public institutions; radio and television news writing and editing, and the advertising and management phases of publishing.

The student who plans to enter journalism professionally, in any of these diversified areas, must have a broad background of knowledge combined with specialized training and skills. To meet these two goals, journalism curricula are designed to provide approximately three-fourths of the work in general background courses in the humanities and the social and natural sciences, and the balance in the study and application of journalism techniques.

ACADEMIC OBJECTIVES AND PLAN OF INSTRUCTION

The two goals of the School of Journalism—to provide a broad general education and a minimum of basic journalism skills—are integrated throughout the student's four years of work. The emphasis in the first two years is on the background courses, with but one course in journalism required in each of the first four semesters. These first courses, taken by each journalism major, include basic instruction in news writing and editing, along with a study of the role of the various communications media. The more specialized journalism courses are concentrated in the third and fourth years.

The journalism curricula provide for specialization in five areas—news writing and editing, photography, publication management, public relations, and radio and television journalism. The required courses in each curriculum are chosen to help meet the specialized needs of that particular area. Because of the liberal number of non-journalism elective courses provided, a student also may develop other special interests, within the framework of these curricula.

The *B-G News*, daily campus newspaper, is used by the School of Journalism as a laboratory in reporting, editing and photography. Additional well-equipped laboratories are provided in reporting and editing, photography, and typography. A student in radio news writing prepares newscasts which are broadcast by the campus radio station. A summer intern program provides additional professional training for qualified majors at the end of the junior year. This work is done in the area of the student's major interest, on the staff of a daily or weekly newspaper, magazine, radio station, or public relations department.

The student who satisfactorily completes any one of the five journalism curricula receives the degree of Bachelor of Science in Journalism.

REQUIREMENTS FOR GRADUATION

A candidate for the degree of Bachelor of Science in Journalism must:

- a. Complete at least 30 hours (immediately preceding graduation) of work in residence.
- b. Earn a minimum of 124 hours* of credit, either in residence or by advanced standing, including 4 hours of health and physical education.**
- c. Earn a point average of at least 2.0 in all courses undertaken in residence.
- d. Meet all the requirements of the particular curriculum selected, as outlined on pages 141-145.

A candidate for graduation must file an *Application for Graduation* with the Registrar not later than the first week of his final semester or summer session. An application blank for this purpose may be obtained at the Registrar's office.

*A two-hour course in beginning typewriting will be required of the student who has not had a unit of typewriting in high school. A student may be excused from taking the course in typewriting by passing a proficiency test.

**Reserve Officers Training Corps credit may be used to meet 2 hours of this requirement.

CURRICULUM IN JOURNALISM
NEWS WRITING AND EDITING

Designed for the student who is interested in general editorial work—newspaper, magazine, trade publication—with emphasis on the newspaper.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101	3	English 102	3
History 151	3	History 152	3
Journalism 103	3	Journalism 107	3
Science elective	3	Science elective	3
Elective	3	Elective	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English elective	3	Journalism 212	3
Journalism 211	3	Political science elective	3
Political Science 201	3	Sociology elective	3
Psychology 201	3	Electives	5
Sociology 201	3	HPE 202	1
HPE 201	1		
	<hr/>		<hr/>
	16		15

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Economics 201	3	Economics 202	3
Journalism 301	3	Journalism 302	3
Journalism 310	3	Journalism elective	3
Electives†	6	Electives†	6
	<hr/>		<hr/>
	15		15

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Journalism elective	3	Journalism 401	3
Electives†	13	Journalism elective	3
	<hr/>	Electives†	11
	16		<hr/>
			17

†Included in the electives of the third and fourth years must be at least 9 hours in some subject other than journalism. Fields recommended are economics, English, history, political science, and sociology, although other fields of study may be chosen to fit the needs of the student. Choice of these courses should be made in consultation with the adviser.

CURRICULUM IN JOURNALISM

PHOTOJOURNALISM

Designed for the student whose major interest is press photography, including reporting with the camera and the selection and display of photographs in various media.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 101	3	English 102	3
English 101	3	History 152	3
History 151	3	Journalism 107	3
Journalism 103	3	Science elective	3
Science elective	3	Elective	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English elective	3	Journalism 212	3
Journalism 211	3	Political science elective	3
Political Science 201	3	Sociology elective	3
Psychology 201	3	Electives	6
Sociology 201	3	HPE 202	1
HPE 201	1		
	<hr/>		<hr/>
	16		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Economics 201	3	Economics 202	3
Journalism 301	3	Journalism 302	3
Journalism 310	3	Journalism 307	3
Electives†	6	Electives†	6
	<hr/>		<hr/>
	15		15

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Journalism elective	3	Journalism 401	3
Electives†	12	Journalism elective	3
	<hr/>	Electives†	11
	15		<hr/>
			17

†Included in the electives of the third and fourth years must be at least 9 hours in some subject other than journalism. Fields recommended are economics, English, history, political science, and sociology, although other fields of study may be chosen to fit the needs of the student. Choice of these courses should be made in consultation with the adviser.

CURRICULUM IN JOURNALISM

PUBLICATION MANAGEMENT

A course for the student who desires journalism training with concentration in the business side of publishing such as business management, advertising, circulation, and promotion.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Acctng. 121	3	Acctng. 122	3
English 101	3	Bus. Adm. 102	3
History 151	3	English 102	3
Journalism 103	3	History 152	3
Science elective	3	Journalism 107	3
HPE 101	1	HPE 102	1
<hr/>		<hr/>	
16		16	

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English elective	3	Political science elective	3
Journalism 211	3	Science elective	3
Political Science 201	3	Sociology elective	3
Psychology 201	3	Electives	6
Sociology 201	3	HPE 202	1
HPE 201	1		
<hr/>		<hr/>	
16		16	

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Economics 201	3	Economics 202	3
Journalism 301	3	Journalism 320	3
Journalism 310	3	Journalism elective	3
Marketing 300	3	Management 350	3
Elective†	3	Marketing 410	3
<hr/>		<hr/>	
15		15	

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Business Law 315	3	Journalism 340	3
Journalism 315	3	Journalism 401	3
Journalism elective	3	Electives†	11
Marketing 411	3		
Elective†	3		
<hr/>		<hr/>	
15		17	

†Included in the electives of the third and fourth years must be at least 9 hours in some subject other than journalism. Fields recommended are economics, English, history, political science, and sociology, although other fields of study may be chosen to fit the needs of the student. Choice of these courses should be made in consultation with the adviser.

CURRICULUM IN JOURNALISM

PUBLIC RELATIONS

A program for the student who is preparing for publication and publicity work in a public relations department in business, industry, public and private institutions, or government.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101	3	Bus. Adm. 102	3
Geography 101	3	English 102	3
History 151	3	History 152	3
Journalism 103	3	Journalism 107	3
Science elective	3	Science elective	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Journalism 211	3	English elective	3
Political Science 201	3	Journalism 212	3
Psychology 201	3	Political science elective	3
Sociology 201	3	Sociology elective	3
Speech 212	2	Speech 261	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	15		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Economics 201	3	Economics 202	3
Journalism 301	3	Journalism 340	3
Journalism 310	3	Journalism elective	3
Electives†	7	Electives†	6
	<hr/>		<hr/>
	16		15

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Journalism elective	3	Journalism 401	3
Electives†	13	Journalism 440	3
		Electives†	10
	<hr/>		<hr/>
	16		16

†Included in the electives of the third and fourth years must be at least 9 hours in some subject other than journalism. Fields recommended are economics, English, history, political science, and sociology, although other fields of study may be chosen to fit the needs of the student. Choice of these courses should be made in consultation with the adviser.

CURRICULUM IN JOURNALISM

RADIO-TELEVISION JOURNALISM

A course designed to prepare the student for news writing and editing positions in radio and television broadcasting stations.

FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 101	3	English 102	3
History 151	3	History 152	3
Journalism 103	3	Journalism 107	3
Science elective	3	Science elective	3
Elective	3	Elective	3
HPE 101	1	HPE 102	1
	<hr/>		<hr/>
	16		16

SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English elective	3	Geography 230	3
Journalism 211	3	Journalism 212	3
Political Science 201	3	Political science elective	3
Sociology 201	3	Psychology 201	3
Speech 261	3	Sociology elective	3
HPE 201	1	HPE 202	1
	<hr/>		<hr/>
	16		16

THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Economics 201	3	Economics 202	3
Journalism 301	3	Journalism 307	3
Journalism elective	3	Journalism 330	3
Speech 363	3	Speech 368	1
Speech 368	1	Electives†	6
Elective†	3		
	<hr/>		<hr/>
	16		16

FOURTH YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Journalism elective	3	Journalism 401	3
Electives†	12	Journalism elective	3
	<hr/>	Electives†	10
	15		<hr/>
			16

†Included in the electives of the third and fourth years must be at least 9 hours in some subject other than journalism. Fields recommended are economics, English, history, political science, and sociology, although other fields of study may be chosen to fit the needs of the student. Choice of these courses should be made in consultation with the adviser.

INTERDEPARTMENTAL PROGRAMS

ALMA J. PAYNE, PH.D., *Adviser for American Studies*

JOHN HILTNER JR., PH.D., *Adviser for International Studies*

AMERICAN STUDIES

The goal of the American Studies program is to provide a unified approach to the subject matter of the liberal arts so as to achieve a comprehensive view of American life and of the American heritage. This approach combines specialized fields into patterns which do not isolate American life, but reveal its rich heritage from and its relationship to all of western civilization. The chairman of the interdepartmental committee, which directs the program, serves as an adviser to the student in setting up a program adapted to his interests and to the requirements of the college and the program.

a. The program shall consist of 42 hours minimum in the following five departments: Art, English, History, Political Science, and Philosophy. The 42 hours shall be distributed as follows:

1. A field of concentration of 15 hours, including 6 hours indicated as basic by the department. (See pages 48 and 85.)
2. At least three hours in a senior seminar.
3. A total of 24 hours, with a minimum of 6 hours in each of the four cognate departments not chosen as a field of concentration. (See pages 48 and 85.)

b. At least 21 of the 42 hours minimum shall be in 300- or 400-level courses. Prerequisites to 300- or 400-level courses identified as cognates in the American Studies program will be waived for students in the program to whom this would not be a severe handicap.

c. No minor is required.

INTERNATIONAL STUDIES

The International Studies major is an interdepartmental program designed to meet the need for specialists in foreign areas, international government, or international economics in government, business, and international affairs by integrating appropriate courses in the Departments of Economics, German and Russian, Geography, History, Political Science, Romance Languages, and Sociology. It totals 45 hours and consists of a core program of 27 hours required of all majors, 6 hours of a modern foreign language beyond courses numbered 202, and 12 hours of specialization in economics; international law, government, and politics; or a foreign area. Although

the work in the major will begin normally in the junior year, the student must consult the major adviser earlier to complete basic courses and satisfy prerequisites. The student will work closely with the major adviser, who also is the chairman of the interdepartmental committee directing the program. Additional information about the program is available from the College of Liberal Arts or the College of Education.

Requirements for the International Studies Major:

1. *Language.* A student must demonstrate proficiency in a modern foreign language appropriate to his area by completing at least 6 hours of language courses beyond courses numbered 202. Six hours of language credit may be applied to the major.

2. *Basic Courses.* The following basic courses are required, and should be completed before the end of the sophomore year: History 152, Econ. 201 and 202, Pol. Sci. 201, Geog. 101 or 230. The hours earned in these courses will not count in the hours required for the major.

3. *Core Program.* The following courses, totaling 27 hours, are required of all students electing the major: Econ. 351; Geog. 452; History 205 and 206, or 431 and 432; History 457 and 458; Pol. Sci. 301, 371, 372.

4. *Fields of Specialization.* A student will elect 12 hours from listed courses in one of the following areas:

Economics (Econ. 311, 371, 401, 414, 451, 471, 472)

International Law, Government, and Politics (Pol. Sci. 321, 401, 402, 451, 452, 460, 461, 466, 473, 474, 475)

East and South Asia (A student should select Russian, French, or German as his foreign language. Econ. 371; Geog. 334; History 361, 463, 464, 466; Phil. 323, 423; Pol. Sci. 466)

Latin America (A student should select Spanish as his foreign language. Geog. 333; History 331, 332, 411; Pol. Sci. 355, 477; Soc. 405; Spanish 316, 417, 418)

Middle East and North Africa (A student should select French as his foreign language. Econ. 371; Geog. 336; History 471; Phil. 324; Pol. Sci. 461)

Soviet Union (A student should select Russian as his foreign language. Econ. 474; Geog. 302; History 357, 358; Pol. Sci. 454)

Sub-Saharan Africa (A student should select French as his foreign language. Econ. 371; Geog. 335; History 472; Soc. 230, 405)

Western Europe (Geog. 332; History 353, 354, 447, 448, 453, 454, 455, 456; Pol. Sci. 451, 452)

Other Areas (There are other possibilities for work in the major. These may be investigated through consultation with the major adviser whereby the student would take the core, 6 hours of appropriate advanced language, and 12 hours from a selected list of courses.)

5. No minor required.

THE GRADUATE SCHOOL

LLOYD A. HELMS, PH.D., *Dean*

OTTO F. BAUER, PH.D., *Director of Graduate Admissions and Fellowships*

Graduate study is offered during the regular academic year and in summer sessions leading to the following degrees:

Master of Arts	Doctor of Philosophy
Master of Business Administration	Education
Master of Education	English
Master of Fine Arts	Psychology
Master of Music	Speech
Specialist in Education	

Graduate majors are offered in the following areas:

*American Studies	Geography
Art	Geology
Biology	Health and Physical Education
†*Business Administration	History
Business Education	Industrial Arts
Chemistry	Mathematics
*College Student Personnel	Music
*Earth Science	Philosophy
Economics	*Physical Sciences and Mathematics
Education	Physics
Educational Administration	Political Science
Elementary Education	Psychology
*Guidance and Counseling	*School Psychology
Reading	Sociology
Special Education	Speech
English	

A graduate minor may be taken in any departmental field approved for a major or in one of the following fields approved for a minor:

French	Library Science
German	Spanish

*Interdepartmental major.

†This program involves a core curriculum and the five functional fields of accounting, management, marketing, finance, statistics, and international business. May be elected as a minor.

AWARDS FOR GRADUATE STUDY

Awards granted to selected first-year graduate students carry stipends ranging from \$1,400 plus remission of the Registration Fee (for the academic year and the following summer) and the Nonresident Fee (for the academic year and the following summer). Half-time assistantships are open to those with successful teaching experience or other outstanding scholastic records. The assistant pays the Incidental Fee and other charges which may apply to him. The graduate assistant registers for the number of hours appropriate to his assistantship assignment during the academic year. Renewal of an award for a second year is possible.

Teaching Fellowships are available for students who have the master's degree and plan to work toward the degree of Doctor of Philosophy. This program includes college-level teaching under supervision. The stipend is from \$1,500 to \$4,500 plus remission of the Registration and Nonresident Fees. The Teaching Fellow pays the Incidental Fee and any other charges which may apply to him.

Applications for graduate assistantships and teaching fellowships should be filed with the chairman of the appropriate department by March 1 for the following academic year.

Further information concerning the Graduate School may be obtained in the Graduate School Catalog.

EARLY ADMISSION

A senior at Bowling Green who has 100 hours of credit and an average of 3.0 or better in all his work who does not require full time in his senior year to complete the requirements for his undergraduate degree may be admitted to the Graduate School as an Advanced Undergraduate and register for limited work for graduate credit. Such registration for graduate credit must be approved in advance by the Dean of the Graduate School.

DESCRIPTIONS



DESCRIPTION OF COURSES

The Arabic number immediately following the title of the course indicates the number of hours of credit.

The Roman numerals indicate the semester in which the course is given, with I indicating the first semester, II the second semester, and I, II both semesters.

The asterisk beside the course number indicates that the course may be used to fulfill requirements for a degree in the College of Liberal Arts.

Courses numbered from 100 to 199 are ordinarily for freshmen and sophomores.

Courses from 200 to 299 are for sophomores, juniors, and seniors, and are not ordinarily open to freshmen.

Courses numbered 300 to 499 are ordinarily open to juniors and seniors, but under exceptional circumstances may be taken by others upon the recommendation of the adviser and with the written approval of the instructor or the chairman of the department concerned.

Courses which may be taken for graduate credit are listed in the Graduate School Bulletin.

A number in parentheses immediately following the course number indicates a number formerly used for the same course.

ACCOUNTING

PROFESSORS BOMELI (CHAIRMAN), DONLEY, KANE, SCHMELTZ, SKANDERA; ASSOCIATE PROFESSORS E. ERB,** NEUMANN; ASSISTANT PROFESSORS CRESS, GALLIART, HARTLEY, W. JOHNSON, SHINDLER, WEBB, WHEELER;† INSTRUCTORS ASMAN, PIERCE.‡

121.* ACCOUNTING CONCEPTS AND PROCEDURES I. 3; I, II. Basic concepts and procedures essential to an understanding of the accounting functions of collecting, summarizing, presenting, and interpreting financial information, and its uses in management. Introduction to asset accounting. Staff.

122.* ACCOUNTING CONCEPTS AND PROCEDURES II. 3; I, II. Accounting concepts and procedures pertaining to the equity accounts of partnerships and corporations, and introduction to specialized areas such as control and decision making, cost accounting and budgeting, and financial analysis. Prereq.: Acctng. 121. Staff.

123.* ACCOUNTING CONCEPTS AND PROCEDURES. 3; I. Accounting concepts and procedures essential to decision-making processes and the uses of financial data. An accelerated course for students meeting special admission standards. Staff.

223. INCOME TAXES—INDIVIDUAL. 1; I. Income tax concepts such as income, exclusions, deductions, adjusted gross income, capital gains and losses, exemptions, tax credits, determination of income from business, trade or profession. Staff.

225. INTERMEDIATE ACCOUNTING—MANAGERIAL. 4; I, II. Budgets, cost studies, and funds flow analysis; responsibility accounting and profitability analysis for non-repetitive decision-making including relevant costing and capital budgeting. Prereq.: Acctng. 122. Staff.

**On leave 1966-67.

‡First semester 1966-67.

†On leave first semester 1966-67.

226. INTERMEDIATE ACCOUNTING—FINANCIAL. 3; I, II. Evaluation of the theory underlying contemporary accounting practice; implications of alternative accounting methods upon reporting financial position and measuring periodic income. Prereq.: Acctng. 122. Staff.
227. MANAGERIAL ACCOUNTING. 3; II. Utilization of accounting data in business analysis and managerial control, including specialized areas such as budgeting and cost accounting. Prereq.: Acctng. 123. Staff.
- 230.* AN INTRODUCTION TO DATA HANDLING AND COMPUTERS. 3; I, II. Fundamentals of data analysis and communication, including accumulation, storage, and manipulation, utilizing the Electronic Digital Computer. Prereq.: 3 hours of college mathematics or consent of instructor. Staff.
295. READINGS FOR HONORS IN ACCOUNTING. 1-3; I, II. For superior sophomores who wish individual reading programs to broaden their knowledge of accounting literature by study and investigation on a semi-independent basis. Prereq.: academic standing in the upper 20 per cent; approval of department. Staff.
321. INTERNAL COST CONTROLS AND ANALYSES. 3; I, II. Accumulation, presentation and interpretation of cost data for income determination and inventory valuation, for planning and control, and as an aid to management decision making. Prereq.: Acctng. 225. Staff.
323. INTRODUCTION TO FEDERAL INCOME TAXATION. 1; II. Income taxes as they pertain to individuals, with emphasis on tax influences on decision making in a trade or profession. Designed for the accounting major or the student planning to take Acctng. 423. Prereq.: Acctng. 225, 226. Staff.
324. INDUSTRIAL AUDITING. 1; I, II. Introduction to audit objectives, auditing standards, reliance on internal control, audit evidence, and performance auditing. Prereq.: 6 hours of accounting. Staff.
395. READINGS FOR HONORS IN ACCOUNTING. 1-3; I, II. For superior junior students who wish individual reading programs to broaden their knowledge of accounting literature by study and investigation of particular areas on a semi-independent basis. Prereq.: academic standing in the upper 20 per cent; approval of department. Staff.
409. ACCOUNTING INTERNSHIP. 1-3; I, II; not open to students with credit for a 409 course in the College of Business Administration. Program must be approved in advance by program coordinator and student's department chairman. Work experience and its evaluation in a seminar must be completed within one year. Credit will be determined by seminar performance and quality and extent of work experience. Staff.
423. INCOME TAXATION. 3; I. Income taxes as they pertain to individuals, partnerships, and corporations. Attention to the reasoning behind major tax regulations and their effects upon the business firm; impact of tax regulations on managerial decision making. Methodology of investigating a tax problem. Prereq.: Acctng. 323 or consent of instructor. Staff.
424. AUDITING. 3; I, II. Auditing theory, procedures and practices of independent examination of financial records as used by internal auditors and public accountants. Preparation of various types of audit working papers and evaluation of internal control systems. Prereq.: Acctng. 226, 324. Staff.
425. INTRODUCTION TO OPERATIONS RESEARCH. 3; I, II. The basic philosophy underlying the formulation of business problems in quantitative terms. Linear programming, dynamic programming, inventory theory, queuing theory and other techniques. Prereq.: Math. 124 or 131; sophomore business core or consent of instructor. Staff.
426. ACCOUNTING SYSTEMS. 3; II. Design, installation, and maintenance of accounting information systems in business firms of all sizes. Utilization of manual and mechanical techniques of handling data to provide accounting information and control. Prereq.: 6 hours of accounting. Staff.

427. **GOVERNMENTAL AND INSTITUTIONAL ACCOUNTING.** 3; II. Methods and problems of controlling and reporting on the resources (funds) segregated for conducting specific activities of non-profit-seeking entities; emphasis on budgetary control. Prereq.: Acctng. 122 or consent of instructor. Staff.
428. **ADVANCED ACCOUNTING THEORY.** 3; I. *Contemporary* accounting theory and practice in specialized areas, including partnerships, fiduciaries, consolidated statements, and other topics. Prereq.: Acctng. 226. Staff.
429. **PROBLEMS IN ACCOUNTING PRACTICE.** 3; II. A comprehensive review and integration of accounting theory and practice, using the problem method. Prereq.: 21 hours of accounting. Staff.
430. **THE ROLE OF THE FINANCIAL EXECUTIVE.** 3; I. The accounting phase of management; investigating the means of meeting informational requirements of various managerial functions. Prereq.: 18 hours of accounting. Staff.
451. **INTERNATIONAL ACCOUNTING.** 3; I. Accounting is examined from the viewpoint of the American business firm with foreign operations. The international accounting problem, control of foreign subsidiaries, foreign accounting procedures, tax considerations are examined. Prereq. or concurrent: Econ. 351. Staff.
491. **STUDIES IN ACCOUNTING.** 1-3; offered on demand. Investigation in depth of selected areas or contemporary problems. May be offered individually as well as in classes, depending on student needs and the nature of the material. Staff.
495. **READINGS FOR HONORS IN ACCOUNTING.** 1-3; I, II. For superior seniors specializing in accounting who wish individual reading programs to broaden their knowledge of accounting literature by study and investigation on a semi-independent basis. Prereq.: academic standing in the upper 20 per cent; approval of department. Staff.

AERONAUTICS

The University owns a CAA-approved airport, leased to a licensed operator, at which private instruction is offered leading to a private pilot's license. Fees are charged by the private licensed instructors who provide the training. Students completing the program may apply for credit in:

101. **PRIVATE PILOT TRAINING.** 2; I, II.

AEROSPACE STUDIES

PROFESSOR, LT. COLONEL HOFFMAN (CHAIRMAN); ASSISTANT PROFESSORS, LT. COL. LAWRENCE, MAJORS BRAZILE, REJENT, CAPTAIN SMITH; ADMINISTRATIVE ASSISTANTS, TECHNICAL SERGEANTS DILLON, FLEMING, STAFF SERGEANTS ALLEN, DAHL, RANSOM, ‡ WORLEY.

GENERAL MILITARY (BASIC) COURSES

- 101.* **AEROSPACE STUDIES.** 1; I. A study of factors from which political philosophies have evolved; an analysis of three prime political philosophies: democracy, facism, and communism, and the elements of power used in inter-nation relations; Corps Training Activities. Prereq.: consent of department. Staff.
- 102.* **AEROSPACE STUDIES.** 1; II. A study of the role and relations of air power to world conflict, emphasizing the U. S. Department of Defense and the Air Force; Corps Training Activities. Prereq.: AS 101 or consent of department. Staff.

‡First semester 1966-67.

201.* AEROSPACE STUDIES. 1; I. Comparison of the missions of the free world land, naval, and air forces; study of weapons systems; concepts of force employment; role of free world air forces in regional security organizations; Corps Training Activities. Prereq.: AS 102 or consent of the department. Staff.

202.* AEROSPACE STUDIES. 1; II. Study of mission of Communist air, land, and naval forces; operations of communist regional security organizations. Study of trends in the employment of military power and the impact of such trends; Corps Training Activities. Prereq.: AS 201 or consent of the department. Staff.

PROFESSIONAL OFFICER (ADVANCED) COURSES

301.* AEROSPACE STUDIES. 3; I. Development of Aerospace Power. Study of development of U. S. aerospace power to maintain peace, nature of war, mission and organization of Department of Defense, Air Force doctrine and employment; Corps Training Activities. Prereq.: consent of department. Staff.

302.* AEROSPACE STUDIES. 3; II. Growth of Aerospace Power (cont'd). A survey course of astronautics and space operations, including future development of aerospace power, vehicles, programs, systems, and space exploration; Corps Training Activities. Prereq.: AS 301 or consent of department. Staff.

411.* AEROSPACE STUDIES. 3; I. A study of the professional aspects of the USAF Officer Corps, including personnel management, leadership theory, military justice, human relations, and discipline; Corps Training Activities. Prereq.: AS 302. Staff.

412.* AEROSPACE STUDIES. 3; II. Continuation of AS 411. Study of theory and functions of management, communicative skills, performance standards, problem solving techniques, administration, and command/staff concepts; Corps Training Activities. Prereq.: AS 411 or consent of department. Staff.

461.* AEROSPACE STUDIES (Flight Instruction Program). 2; I. A study of aerodynamics, federal aviation regulations, meteorology, aerial navigation, radio techniques and procedures, aircraft operation, flying safety, and flight instruction. Prereq.: consent of the department. Staff.

462.* AEROSPACE STUDIES (Flight Instruction Program). 2; I, II. A study of aircraft operation and flight instruction. Credit can not be granted for both AS 462 and Aeronautics 101. Prereq.: consent of the department. Staff.

ART

PROFESSORS WANKELMAN (CHAIRMAN), LAKOESKY, OCVIRK, RUNNING, P. WIGG; ASSOCIATE PROFESSORS BISHOP, BONE, STINSON; ASSISTANT PROFESSORS BOGDANOVITCH, COLEMAN, C. HALL, HASSELSCHWERT, MAGADA; INSTRUCTORS ARN, JACOMINI, MAZUR; PART-TIME INSTRUCTORS M. MABRY, M. WIGG.‡‡

The School of Art reserves the right to retain for its collection any work produced in classes.

101.* ART FUNDAMENTALS. 3; I, II. Introduction to the basic principles of art form, including experiences with the elements of graphic expression. One lecture and two two-hour studio periods a week. Staff.

103.* DRAWING. 3; I, II. Observation of natural objects as an aid to expressive draftsmanship. Three two-hour studio periods a week. Prereq. or parallel: Art 101.

‡‡Second semester 1966-67.

- 112.* **BEGINNING DESIGN.** 3; II. The study of design theories as a basis for artistic expression. An introduction to three dimensional design. Three two-hour studio periods a week. Prereq. or parallel: Art 101. Staff.
- 145.* **WESTERN ART I.** 3; II. Introduction to Western art from prehistoric times to the High Renaissance (1500). Staff.
- 205.* **DRAWING FROM LIFE.** 3; I, II. Principles and practice in creative and structural drawing; development of the concepts and techniques required to accomplish competent graphic expression. Six studio hours a week. Prereq.: Art 103. Staff.
- 206.* **DRAWING FROM LIFE.** 3; II. Advanced problems in drawing and composition. Six studio hours a week. Prereq.: Art 205. Mr. Ocvirk, Mr. Running, Mr. Wigg.
- 211.* **INTERMEDIATE DESIGN.** 3; I. Practice in problems of formal design, lettering, and layout. Three two-hour studio periods a week. Prereq.: Art 103. Mr. Hall, Mr. Jacomini.
- 212.* **INTERMEDIATE DESIGN.** 3; II. Applied design and its use in various fields of art. Three two-hour studio periods a week. Prereq.: Art 112 or 211. Mr. Arn, Mr. Hall, Mr. Jacomini.
- 245.* **WESTERN ART II.** 3; I. Introduction to Western art from 1500-present. Staff.
- 261,* 361,* 461.* **SCULPTURE.** 3; I, II. Beginning problems are devoted to creative arrangements of three-dimensional forms. Advanced sculpture includes an investigation of such media as built-up plaster, wood-carving, stone-carving, welding, etc. Two two-hour or two three-hour studio periods a week. Prereq.: Art 101. Staff.
- 262,* 362,* 462.* **SCULPTURE.** 2 or 3; I, II. A continuation of Art 261, 361, or 461. Two three-hour studio periods a week. Staff.
- 263.* **CERAMICS.** 3; I, II. Basic techniques in forming, decorating, and firing of pottery. One lecture and four studio hours a week. Prereq.: Art 101. Mr. Lakofsky.
- 264,* 364,* 464.* **CERAMICS.** 3; I, II. Consideration of form, color, and texture as basic factors of ceramic design, with emphasis on glazes and techniques of the potter's wheel. Courses must be taken in number sequence. Six studio hours a week. Prereq.: Art 263. Mr. Lakofsky.
- 271,* 371,* 471.* **WATERCOLOR PAINTING.** 3; I, II. Exploration of technical possibilities of watercolor as a medium. Two three-hour studio periods a week. Prereq.: Art 103, 112. Staff.
- 272,* 372,* 472.* **WATERCOLOR PAINTING.** 3; I, II. A continuation of Art 271, 371, or 471, stressing the aesthetic and the technical approach. Two three-hour studio periods a week. Staff.
- 273,* 373,* 473.* **OIL PAINTING.** 3; I, II. Individual problems chosen or assigned to acquaint the student with the possibilities and limitations of the oil medium as a means of achieving expressive art form. Two three-hour studio periods a week. Prereq.: Art 103, 112. Staff.
- 274,* 374,* 474.* **OIL PAINTING.** 3; I, II. A continuation of 273, 373, or 473, with particular attention given to individual approach. Two three-hour studio periods a week. Staff.
- 277,* 377,* 477.* **PRINTS.** 3; I, II. Introduction to graphic techniques involved in intaglio, relief, planographic, and serigraphic processes, with consideration of

the aesthetic possibilities of their effects in the finished print. Two three-hour studio periods a week. Prereq.: Art 103, 112. Mr. Magada, Mr. Ocvirk, Mr. Wigg.

278.* 378.* 478.* PRINTS. 3; I, II. A continuation of Art 277, 377, or 477. Two three-hour studio periods a week. Mr. Magada, Mr. Ocvirk, Mr. Wigg.

311.* ADVANCED DESIGN. 3; not offered in 1967-68. Technical problems in design. Two two-hour studio periods and one lecture a week. May be repeated to 6 hours. Prereq.: Art 212. Mr. Hall, Mr. Jacomini.

321.* JEWELRY DESIGN. 3; I, II. The use of metals in jewelry making, with emphasis on design and the development of skill in the manipulation of tools and materials. One lecture and two two-hour studio periods a week. Prereq.: Art 101 or 112. Mr. Hasselschwert, Mr. Lakofsky.

322.* JEWELRY DESIGN. 3; offered on demand. A continuation of Art 321. One lecture and two two-hour studio periods a week. Prereq.: Art 321. Mr. Hasselschwert, Mr. Lakofsky.

343.* ARTS AND CRAFTS. 3; I, II. Experience with art materials and problems to develop a creative attitude; problems based primarily on the needs of children. One lecture and two two-hour studio periods a week. Staff.

345.* ART APPRECIATION. 2; I, II. Discussion of cultural contributions of the fine arts. Staff.

352. ART EDUCATION IN ELEMENTARY AND SECONDARY SCHOOLS. 3; I. Principles, objectives, curriculum, instructional and resource materials, and methods in public school art. Two lectures and two laboratory hours a week. Prereq.: Psych. 204 and junior standing. Mr. Bone, Mrs. Mabry.

363.* 463.* CERAMICS. 3; I, II. Introduction, theory, calculation, and laboratory development of ceramic bodies and glazes. Six studio hours a week. Prereq.: Art 264; Chem. 100 or 101. Mr. Lakofsky.

391.* PROBLEMS IN ART. 2-3; I, II. Supervised individual problems in selected areas. Two two-hour or two three-hour studio periods a week. May be repeated to 6 hours. Prereq.: consent of instructor. Staff.

445.* HISTORY OF ART. 3; II. History and appreciation of American art from colonial times to the present with emphasis on painting, sculpture, and architecture. Staff.

447.* HISTORY OF ART. 3; I. History and appreciation of art from ancient times to the Renaissance in Italy. Staff.

448.* HISTORY OF ART. 3; II. History and appreciation of art from the Renaissance to the 19th century. Staff.

449.* HISTORY OF ART. 3; I. History and appreciation of art from the 19th century through the contemporary period. Staff.

BIOLOGY

PROFESSORS BRENT (CHAIRMAN), DICKERMAN, HALLBERG, JACKSON; ASSOCIATE PROFESSORS ACKER,†† EASTERLY, R. GRAVES, E. HAMILTON, HAMRE, OSTER, WHITWER; ASSISTANT PROFESSORS W. BAXTER, CARNEY, HARMON, MARTIN, O'LEARY, SCHURR; INSTRUCTOR C. GROAT; VISITING LECTURER A. GRAVES.††

††On leave second semester 1966-67.

‡‡Second semester 1966-67.

COURSES IN BIOLOGY

- 110.* **INTRODUCTION TO BIOLOGY.** 3; I, II. Fundamental principles of biology. Designed to serve as a cultural course for students who do not plan additional work in biology and as a foundation course for those who plan more specialized biological studies. Two discussion and one two-hour laboratory periods a week. Staff.
- 251.* **GENERAL GENETICS.** 3; I. Principles of inheritance and their bearing on theoretical and applied biology as viewed from cytological, developmental, evolutionary and molecular aspects. Three one-hour lectures per week. Prereq.: Biol. 110. Mr. Oster.
- 252.* **ORGANIC EVOLUTION.** 3; II. Not offered in 1967-68. A study of the evidences of evolution, and a discussion of such factors as mutation, hybridization, natural selection, influence of environment, and the inheritance of acquired characteristics. Prereq.: Biol. 110; Biol. 251 is desirable. Staff.
- 253.* **GENETICS LABORATORY.** 3; I. Principles of inheritance as illustrated and amplified by experiments using microorganisms, plants, and animals. Two three-hour laboratories per week. Prereq. or concurrent: Biol 251. Staff.
- 303.* **BIOLOGICAL TECHNIQUE.** 3; I. Not offered in 1967-68. Designed to give teachers the knowledge and training required for preparation of biological materials. Six laboratory hours and one discussion period a week. Prereq.: Biol. 110. Staff.
- 305.* **CELL PHYSIOLOGY.** 4; I. Activities and processes of living organisms, with emphasis on underlying chemical and physical forces. Two lectures and four laboratory hours a week. Prereq.: Biol. 110 and organic chemistry. Mr. Hamre.
- 321.* **ECONOMIC BIOLOGY.** 3; I. Consideration of the ecological aspects of control of invertebrate animals: the chemistry and action of insecticides and herbicides, equipment and methods of the pest control industry, roles of various governmental agencies. Prereq.: consent of instructor. Mr. Jackson.
- 322.* **ECONOMIC BIOLOGY.** 3; II. Consideration of the ecological aspects of control of vertebrate animals: chemistry and action of rodenticides; rodent, predator and bird controls; zoonoses, public health sanitation, and sanitary biology; roles of various governmental agencies. Prereq.: consent of instructor. Mr. Jackson.
- 401.* **INTRODUCTION TO BIOLOGICAL RESEARCH.** 2-5; I. For advanced students evidencing proficiency and independence in their work. Prereq.: four semesters of biology; consent of department chairman. Staff.
- 402.* **INTRODUCTION TO BIOLOGICAL RESEARCH.** 2-5; II. Continuation of Biol. 401. Staff.
- 412.* **FIELD EXPERIENCE.** 6; summer on demand. A detailed study of biotic communities involving identification of plants and animals, mapping, instrumentation, and preparation of reports. Prereq.: one year of biology and consent of instructor. Mr. Acker.
- 416.* **WILDLIFE CONSERVATION.** 3; II. Not offered in 1967-68. Principles of conservation as applied to protection, uses, replenishment of wildlife resources, field trips, readings, discussion, and one project. Two hours of discussion and three hours of laboratory or field work each week. Prereq.: Biol. 110 or consent of instructor. Staff.
- 422.* **ECOLOGY.** 4; II. Plants and animals in relation to their environment. One two-hour and one four-hour period each week; also a weekend field trip in late spring. Prereq.: four semesters of biology, including Biol. 201, 212; chemistry is desirable. Mr. Hamilton, Mr. Jackson.

471.* OCEANOGRAPHY. 3; I. Composition and structure of the sea floor; physical and chemical properties and movement of sea water; biology of the sea. May not be included in the major or minor in biology. Not open to students with credit for Geog. 471 or Geol. 471. Prereq.: consent of instructors. Staff.†

474.* MARINE BIOLOGY. 3; I, II. Experimental studies on marine organisms including a field trip to marine environments. Two-hour discussion period and laboratory arranged. Prereq.: one year of chemistry, Biol. 306, and consent of instructor and preregistration discussion. Mrs. Groat.

490.* SEMINAR. 1; I, II. A review of the literature to acquaint students with research techniques and important work being done in the various fields of biology. Staff.

COURSES IN ZOOLOGY

111.* GENERAL ZOOLOGY. 3; I, II. A survey of the animal kingdom. One discussion period and two two-hour laboratory periods a week. Prereq.: Biol. 110. Staff.

205.* HUMAN ANATOMY AND PHYSIOLOGY. 3; I, II. Anatomy and physiology, with emphasis upon the anatomy of the joints and muscles and physiology of exercise and digestion. Two recitations and one two-hour laboratory period a week. Prereq.: Biol. 110, 111. Staff.

206.* HUMAN ANATOMY AND PHYSIOLOGY. 3; I, II. A continuation of Biol. 205. Two recitations and one two-hour laboratory period a week. Prereq.: Biol. 110, 111. Staff.

212.* FIELD ZOOLOGY. 3; I. Local animals excluding birds and insects. Keys to the various groups are used. Field trips and laboratory study are emphasized. One lecture and two two-hour laboratory periods a week. Prereq.: Bio. 110. Staff.

272.* ORNITHOLOGY. 3; II. Study of bird life, emphasizing identification, habits, migration, and economic aspects; lectures, laboratory, and field work. Two one-hour and one three-hour meetings a week, or equivalent field trips, and an all-day trip the second Saturday in May. Prereq.: Biol. 110. Mr. Martin.

301.* COMPARATIVE ANATOMY OF VERTEBRATES. 5; I. Evolution and significance of structural changes in the vertebrate groups as indicated by a comparative study of their anatomy. Three lectures and two three-hour laboratory periods a week. Prereq.: Biol. 111. Mr. Hallberg.

302.* EMBRYOLOGY. 5; II. Descriptive embryology of the vertebrates, including embryological techniques; the early development of the frog; the organogeny of the chick, pig, and man. Three lectures and two three-hour laboratory periods a week. Prereq.: Biol. 111. Mr. Hallberg.

306.* INVERTEBRATE ZOOLOGY. 4; I. Classification, biology and physiology of the invertebrates. Prereq.: Biol. 111. Mr. Schurr.

308.* VERTEBRATE PHYSIOLOGY. 4; I. Fundamental consideration of functions of organ systems in higher animals. Three one-hour lectures and one four-hour laboratory per week. Prereq.: Biol. 111, or one year of chemistry, or consent of instructor. Mr. Martin.

330.* ZOOGEOGRAPHY. 3; II. A study of the distribution of terrestrial and aquatic animals with discussion of adaptation, migration, barriers, extinction, and related subjects. Prereq.: Biol. 212. Miss Whitwer.

335.* GENERAL ENTOMOLOGY. 4; II. Morphology, taxonomy, and physiology of insects. Prereq.: Biol. 111. Mr. Graves.

†Departments of Biology, Geography and Geology.

- 405.* ANIMAL PARASITOLOGY. 4; I. The morphologic, taxonomic, economic, and other biologic aspects of animal parasites. Two recitations and two two-hour laboratory periods a week. Prereq.: four semesters of biology. Mr. Dickerman.
- 419.* ANIMAL HISTOLOGY. 4; II. Microscopic anatomy of vertebrates, origin of tissues and organs, and relation of structure to function. Two recitations and two two-hour laboratory periods a week. Prereq.: four semesters of biology, including Biol. 206 or 301. Mr. Dickerman.
- 472.* ICHTHYOLOGY. 4; II. A general survey of the main groups of fishes, and classification, life history, and ecology of local species. Two lectures and four hours of laboratory or equivalent field work a week; also a weekend field trip in late spring. Prereq.: Biol. 111. Mr. Acker.

COURSES IN BOTANY

- 112.* GENERAL BOTANY. 3; I, II. A survey of the plant kingdom. One discussion period and two two-hour laboratory periods a week. Prereq.: Biol. 110. Staff.
- 201.* FIELD BOTANY. 3; II. Local plants; use of keys is emphasized to facilitate identification. One lecture and two two-hour laboratory periods a week. Prereq.: Biol. 110. Mr. Easterly, Mr. Hamilton.
- 315.* PLANT TAXONOMY AND MORPHOLOGY. 3; I. Identification and classification of seed plants. Taxonomic principles, morphological terms, taxonomic literature, and rules of nomenclature. Two two-hour laboratories, one discussion period per week. Prereq.: Biol. 112. Mr. Easterly.
- 403.* MYCOLOGY. 3; I. Not offered in 1967-68. A survey of the types of fungi emphasizing morphology, taxonomy, and life histories. Two two-hour laboratories and one lecture period per week. Prereq.: Biol. 112. Staff.
- 415.* PLANT ANATOMY. 3; I. Structure and development of vascular plants, stressing origin and function of angiosperm tissues. One recitation and two two-hour laboratory periods a week. Prereq.: Biol. 112 or consent of instructor. Mr. Hamilton.
- 470.* PHYCOLOGY. 3; I. A study of the structure, classification, and ecology of fresh-water algae. Prereq.: Biol. 110 or consent of instructor. Staff.

COURSES IN MICROBIOLOGY

- 211.* MICROBIOLOGY. 3; I. A survey of microbial life, with experience in basic methods of laboratory study and identification. Two discussion periods and one three-hour laboratory a week. Prereq.: Biol. 110. Staff.
- 311.* BACTERIOLOGY. 4; I. A study of the methods of isolation, culture, staining, identification, and classification. Attention to physiologic and nutritional aspects. Two lectures and two two-hour laboratory periods a week. Prereq.: Biol. 110; Chem. 102 or 112. Mr. Brent, Miss Harmon.
- 411.* PATHOGENIC BACTERIOLOGY. 3; II. Study of bacteria causing the more common diseases of vertebrates, stressing properties associated with disease process and epidemiologic and immunologic relations. Two lectures and one three-hour laboratory per week. Prereq.: Biol. 311 or the consent of the instructor. Miss Harmon.

BUSINESS ADMINISTRATION

PROFESSORS HENDERSON (CHAIRMAN), W. ABELL, COOKE, DARR, DECKER, HUFFMAN, JEROME, RAHDERT, WATERHOUSE; ASSOCIATE PROFESSORS FICHTHORN, JICHA, OWENS,** RIEGLE; VISITING ASSOCIATE PROFESSOR NORDSTROM; ASSISTANT PROFESSORS GRIFFIN, MOTT, SUTIN, WARD; INSTRUCTORS G. BAXTER, G. BOWMAN, DAVIS, HODGE; PART-TIME INSTRUCTOR BIGELOW; PART-TIME LECTURERS BARTLETT, SHEIDLER.

**On leave 1966-67.

GENERAL COURSES IN BUSINESS ADMINISTRATION

102.* INTRODUCTION TO BUSINESS. 3; I, II. The field of business—background, functions, government relationships, and ethics—with students examining the functions of marketing, production, finance, and personnel through problems designed to simulate the world of business. Mrs. Hodge and staff.

303.* BUSINESS WRITING. 3; I, II. Effective presentation of business information through the various kinds of letters and reports with emphasis on the psychological principles involved in securing reader action. Mr. Cox,†† Mr. Goddard.††

403.* GOVERNMENT AND BUSINESS. 3; I, II. Relations of all echelons of government to the businessman, showing major instances where government controls, regulates, or influences actions of the businessman. Mr. Decker, Mr. Sutin.

404.* BUSINESS FLUCTUATIONS. 3; I. A study of business fluctuations covering statistical measurement, components of gross national product, methods of forecasting, theories of fluctuations, and problems of stabilization. Prereq.: Econ. 202; Stat. 202. Mr. Cooke, Mr. Fichthorn.

405. BUSINESS POLICY AND PRACTICES. 3; I, II. Analysis and decision making in determining objectives; developing sound policy; organizing and motivating personnel; systems design; measuring organization performance; and reappraising objectives, policies, and practices. Cases from widely diversified businesses. Business games and simulation. Prereq.: senior standing in the College of Business Administration. Mr. Darr, Mr. Rahdert.

408.* RESEARCH IN BUSINESS AND ECONOMICS. 3; II. The role of basic and applied research in business and economics. Group and individual research projects from problem formulation to presentation of findings. Prereq.: junior standing. Mr. Barker.

409. BUSINESS INTERNSHIP. 1-3; II. Not open to the student with credit for Acctng. 409 or Econ. 409. Program must be approved in advance by program coordinator and student's department chairman. Work experience must be completed within one year. Credit will be determined by the quality and extent of the work experience. Staff.

491. STUDIES IN BUSINESS ADMINISTRATION. 1-3; offered on demand. Study in depth of selected areas. Offered to individual students on a lecture basis, or in the form of a seminar, depending on student needs and the nature of the material. May be repeated to 6 hours. Staff.

495.* READING FOR HONORS IN BUSINESS ADMINISTRATION. 1-3; I, II. For the student in business administration who wishes to pursue, under supervision, an independent program of reading and study. Prereq.: 3.0 cumulative point average and consent of department. Staff.

COURSES IN BUSINESS LAW

301. GENERAL BUSINESS LAW. 3; I. The social, economic and political forces creating the climate within which business is conducted; basic rules of law in contracts, agency and negotiable instruments. Not open to the student with credit for nor as a requirement for Bus. Law 315. Mr. Riegle, Mr. Sutin.

302. GENERAL BUSINESS LAW. 3; II. Continuation of Bus. Law 301—business associations, personal property, security for credit transactions and real property. Not open to the student with credit for nor as a requirement for Bus. Law 315. Prereq.: Bus. Law 301. Mr. Austin, Mr. Riegle, Mr. Sutin.

††Department of Business Education.

310. LAW AND THE CITIZEN. 3; I, II. History, development, structure of the American Legal System; the precedent theory, the litigation process, non-vocational aspects of selected areas of law as they relate to the citizen. Not open to the student required to take Bus. Law 301, 302, 315; or Pol. Sci. 407. Mr. Decker.
- 315.* INTRODUCTORY BUSINESS LAW-CONTRACTS-BAILMENTS. 3; I, II. The historical, political and economic background of business law; fundamentals of contract, their operation and discharge; formation and operation of bailments. Staff.
- 413.* TRUSTS AND ESTATES. 3; I. Execution, administration, revocation of wills and trusts; guardianships; life insurance estates; insurance law as it relates to estates, their protection and liability. Prereq.: Bus. Law 315. Mr. Riegle.
- 415.* REAL ESTATE LAW. 3; II. Interest in real property; deeds of conveyance; mortgages; land contracts; leases; rights in land. Prereq.: Bus. Law 315. Mr. Riegle.
416. LAW OF SALES AND MARKETING. 3; II. Laws governing the sale of personal property and legal problems of advertising and marketing procedures, including application of the Uniform Commercial Code. Prereq.: Bus. Law 315. Mr. Decker.
417. LAW OF BUSINESS ASSOCIATIONS. 3; I, II. Formation and operation of agency relations, partnerships, corporations: Fundamentals of Uniform Partnership Act, Model Corporation Act. Prereq.: Bus. Law 315. Mr. Riegle, Mr. Ward.
- 418.* NEGOTIABLE INSTRUMENTS-SECURED TRANSACTIONS. 3; I, II. The Law of Negotiable Instruments under the Uniform Commercial Code as it applies to personal and real property; secured transactions involving negotiable instruments. Prereq.: Bus. Law 315. Mr. Riegle, Mr. Sutin.

COURSES IN FINANCE

- 341.* BUSINESS FINANCE. 3; I, II. Financial organization, structure, income, and policy of business firms. Prereq.: Econ. 202. Staff.
- 442.* CREDIT AND COLLECTIONS. 3; I. The nature, significance, business organization and management of credit in short-term financing of consumers and business firms, and in marketing goods and services. Prereq.: Fin. 341. Staff.
- 443.* PERSONAL FINANCE. 3; I, II. Problems and principles arising from personal incomes, savings, debts, and investments. Mr. Fichthorn, Mr. Jicha.
- 444.* INVESTMENTS AND SECURITY ANALYSIS. 3; II. Principles of investment management. Study of institutional problems. Security analysis. Prereq.: Fin. 341. Mr. Jicha.
445. BANK MANAGEMENT. 3; II. A top management study of banking. Management of funds sources and their allocation among reserves, loans and investments to provide liquidity and earnings; services to depositors, public relations. Prereq.: Fin. 341. Mr. Cooke, Mr. Fichthorn.
- 446.* STOCK MARKET. 3; I, II. Organization, control, and operation of security markets. Prereq.: Fin. 341 or 443. Mr. Cooke.
- 447.* FINANCIAL INSTITUTIONS. 3; II. A study of the financial institutions which finance the business firm with emphasis on the money market, working capital market, mortgage market, and securities market. Prereq.: Fin. 341; Econ. 311. Mr. Cooke.
- 448.* PROBLEMS IN FINANCIAL ADMINISTRATION. 3; I. A case method approach to problems in procuring and administering funds; sequel to Fin. 341. Prereq.: Fin. 341 or consent of instructor. Mr. Fichthorn, Mr. Jicha.
449. INTERNATIONAL BUSINESS FINANCE. 3; II. International finance examined from three points of view: the American business firm operating inter-

nationally, the American financier, and the foreign financier; including problems, policies, institutional arrangements, and current developments. Mr. Owens.

COURSES IN INSURANCE

361* (461). PRINCIPLES OF INSURANCE. 3; I, II. The fundamental nature of risk and its influence upon all human activities. Principles of all lines of insurance, insurance coverage, and other loss-bearing techniques. Mr. Abell, Mr. Owens.

463. GROUP AND SOCIAL INSURANCE. 3; I, II. Economic and sociological background of social and group insurance including studies of group accident and health coverages, OASDI, workmen's compensation, pensions, unemployment compensation. Prereq.: Ins. 361. Mr. Abell, Mr. Owens.

465. MULTIPLE LINE INSURANCE. 3; I, II. Analysis of fire, casualty, inland marine, ocean marine coverages including legal aspects, rate-making techniques, regulation, loss adjustment principles. Prereq.: Ins. 361. Mr. Abell, Mr. Owens.

467.* LIFE AND HEALTH INSURANCE. 3; I. Economic and social aspects of life and health insurance; structure of various contracts; calculation of premiums, reserves, surrender values, and dividends; contract provisions and legal principles. Prereq.: Ins. 361. Mr. Abell, Mr. Owens.

469. ADVANCED LIFE UNDERWRITING. 3; II. Integration of life and health insurance into the overall estate plan; correlation with wills, trusts, guardianships, and agencies; tax treatment; funding business continuation agreements, deferred compensation arrangements and estate liquidation; and programming. Prereq.: Ins. 361, 467. Mr. Abell, Mr. Owens.

470. RISK MANAGEMENT. 3; I, II. Introduction to management of corporate risk. Evaluation, control, prevention, retention, treatment of risks in foreign countries, accounting, and tax aspects are considered. Case problems supplement textual assignments. Staff.

COURSES IN MANAGEMENT

306.* QUANTITATIVE DECISION THEORY. 3; I, II. An introduction to the use of quantitative methods in business administration and application of these methods to problems of inventory, production, marketing, and financial management. Prereq.: junior standing and completion of mathematics requirement, Stat. 202. Mr. Nordstrom.

350.* PRINCIPLES OF ORGANIZATION AND MANAGEMENT. 3; I, II. Fundamentals of organization theory and management principles; objectives, policies, decision-making authority, executive development, leadership, communication, attitude, effective human relations. Miss Griffin, Mr. Henderson.

351. PRODUCTION AND OPERATIONS MANAGEMENT. 3; I, II. Analyzes operations of the firm from an economic viewpoint. Introduces fundamentals of operations research; design of production systems; operation, coordination, and control of production activity; and major analytical tools for management. Plant visits. Prereq.: Stat. 202 or equivalent. Mr. Rahdert and staff.

353 (453). PROCUREMENT. 3; I. Management of materials, including process of buying and related functions for industrial, governmental, and institutional utilization—learning of need, selecting a supplier, negotiating terms, value analysis. Prereq.: Mgt. 350 or 351. Mr. Henderson.

354* (454). PERSONNEL MANAGEMENT. 3; II. A study of personnel administration, its objectives, organization, and functions, and role in the operation of any

form of enterprise. Includes staff and line responsibility for handling personnel problems. Mr. Henderson, Mrs. Hodge.

450. PRODUCTION CONTROL. 3; II. An analysis of functions and techniques necessary in planning, routing, scheduling, and controlling flow of materials through various production processes and operations. Prereq. or concurrent: Mgt. 351. Mr. Darr, Mr. Waterhouse.

456. PROCUREMENT AND MATERIALS MANAGEMENT PROBLEMS. 3, II. A study in depth of techniques and problems in materials management. Examination of policy development, selection and evaluation of buyers, appraisal and development of suppliers and subcontractors, and evaluation of performance. Mr. Henderson, Mr. Waterhouse.

457. SYSTEMS, STANDARDS, AND WORK DESIGN. 3; I. Effective utilization and measurement of human effort through a study of systems, planning theory, process analysis, methods analysis, and job design. Laboratory. Prereq.: Mgt. 350 or 351. Mr. Rahdert.

458. WAGE AND SALARY ADMINISTRATION. 3; I. Policies and procedures of wage and salary administration. Analyzes compensation methods, personnel rating, and fundamentals needed for administration and maintenance of the wage and salary program. Prereq.: Mgt. 350 or 351. Mr. Waterhouse.

459. HUMAN RELATIONS. 3; I. Problems of understanding and securing co-operation among individuals and groups. Factors influencing human behavior in organizations. Prereq.: Mgt. 350 or 351, and Psych. 201. Staff.

460.* PRODUCTION AND PERSONNEL PROBLEMS. 3; I, II. The analysis of problems of production and personnel management requiring decisions by a high level manager. Cases and a simulation game are principal teaching methods. Prereq.: Mgt. 351 plus one 400-level course in management. Staff.

469. INTERNATIONAL BUSINESS MANAGEMENT. 3, II. A survey of the organizational and operational aspects of international business management, stressing problems of conducting business outside the continental U.S. Prereq.: Mgt. 350 or 351. Staff.

COURSES IN STATISTICS

202.* ELEMENTARY STATISTICAL METHODS I. 3; I, II. Collection and presentation of data; frequency distribution; statistical inference; time series; index numbers; correlation. Two lecture periods and one two-hour laboratory period a week. Prereq.: completion of college mathematics requirement. Staff.

203.* ELEMENTARY STATISTICAL METHODS II. 3; I, II. Probability distributions, introduction to quality control and analysis of variance. Two lecture periods and one two-hour laboratory period a week. Prereq.: Stat. 202; non-business students with consent of instructor. Staff.

301* (401). STATISTICAL ANALYSIS. 3; I. Frequency distribution analysis; curve fitting; analysis of trend, seasonal, and cyclical movements in time series; forecasting methods; index number theory and practice; diffusion indexes. Prereq.: Stat. 202 or 203. Mr. Huffinan, Mr. Mott.

302.* STATISTICAL CALCULATIONS BY DIGITAL COMPUTER METHODS. 3; II. Use of the computer in solving a variety of statistical problems, including problem programming and the use of prepared programs. Prereq.: Stat. 202 or 203 and Acctng. 230 or consent of instructor. Staff.

402.* CORRELATION ANALYSIS. 3; II; offered in 1967-68 and in alternate years. Linear, non-linear, multiple, and partial correlation theory and techniques; analysis of covariance; applications to business and economic analysis. Prereq.: Stat. 202 or 203. Mr. Huffman, Mr. Mott.

403.* STATISTICAL INFERENCE. 3; II; offered in 1968-69 and in alternate years. Introduction to statistical methods for business decisions. Classical and Bayesian decision theory; sampling theory; decision rules; risk and uncertainty in testing hypotheses. Prereq.: Stat. 202 or 203. Mr. Huffman, Mr. Mott.

406.* SAMPLE DESIGN. 3; I; offered in 1968-69 and in alternate years. Planning of surveys; sampling as a tool of scientific inference in management and in research; bias and errors in sampling procedures; variances; and sample size. Prereq.: 3 hours in statistics or consent of instructor. Mr. Huffman, Mr. Mott.

BUSINESS EDUCATION

PROFESSORS GUTHRIE (CHAIRMAN), COX, RUSHER, STUTSMAN; ASSOCIATE PROFESSORS GODDARD, LANDWEHR, MILLS; ASSISTANT PROFESSOR MONTGOMERY; INSTRUCTORS BOWLING, NAGEL.

101. BUSINESS MATHEMATICS 3; I. The mathematics of finance, merchandising, business ownership, and taxation. Mr. Guthrie.

103. HANDWRITING. 1; I. The fundamentals of handwriting with emphasis upon legibility and ease of writing. Two hours a week. Mr. Montgomery.

‡104. ABBREVIATED LONGHAND. 2; II. A course designed to double an individual's speed to take longhand notes for personal and business use. Staff.

‡111.** BEGINNING TYPEWRITING. 2; I, II. Basic principles of touch typewriting for business and personal use. Four class periods a week. Staff.

‡112. INTERMEDIATE TYPEWRITING. 2; I, II. The development of skill in typewriting through technique improvement and special problems. Four hours a week. Prereq.: Bus. Ed. 111 or equivalent. Staff.

210. ADVANCED TYPEWRITING. 3; I, II. The development of additional skill in typewriting through more complicated office problems and projects with emphasis on office production standards. Four hours a week. Prereq.: Bus.Ed. 112 or equivalent. Staff.

‡213.** BEGINNING SHORTHAND. 3; I, II. The principles of Gregg shorthand with an introduction to transcription. Four class periods a week. Staff.

‡214. INTERMEDIATE SHORTHAND. 3; I, II. Review of the principles of Gregg shorthand; emphasis on dictation and transcription on the typewriter. Four class periods a week. Prereq.: Bus.Ed. 213 or equivalent. Staff.

220. OFFICE MACHINES. 2; II. Operation of key-driven calculators, bookkeeping machines, and key punch. Two periods a week. Mr. Montgomery.

‡A total of 5 hours of credit taken in Bus.Ed. 104, 111, 112, 213, 214 may be applied upon the minimum requirements for degrees in the College of Liberal Arts.

**The student with two semesters of high school typewriting and/or shorthand should register for Bus.Ed. 112 and/or 214. The student with four semesters of high school typewriting and/or shorthand should enroll in Bus.Ed. 210 and/or 311. Those who choose to enroll in lower level classes will not receive credit toward graduation for such classes.

230. RECORDS MANAGEMENT. 3; I, II. A study of modern management methods and practices used in the creation, utilization, maintenance, retention, preservation, and disposition of government and business records. Mr. Goddard.
240. BUSINESS PROBLEMS OF THE CONSUMER. 3; I, II. An understanding of ways of improving one's standard of living through buying and using of goods and services and in money management. Not open to the student with credit for Home Econ. 405. Mr. Guthrie.
304. REPORT WRITING. 3; I, II. An introduction to the basic methods of research and the writing of informational, examinational, and analytical reports. Impartial analysis, interpretation, organization, and presentation of data are emphasized. Staff.
311. ADVANCED SHORTHAND AND TRANSCRIPTION. 3; I, II. Development of ability to take dictation at high rates of speed and to transcribe rapidly and accurately at the typewriter. Four class periods a week. Prereq.: Bus.Ed. 112 and 210 or equivalent. Staff.
312. ADVANCED SHORTHAND AND TRANSCRIPTION. 3; I, II. Continuation of 311 with emphasis on efficient use of dictation and transcription techniques; building a technical vocabulary and providing practice in office-style dictation. Four class periods a week. Prereq.: Bus.Ed. 311. Miss Rusher.
314. WORK EXPERIENCE. 1-3; I, II. Supervised experience in local offices. Sixty clock hours of work required for each hour of college credit. No more than 1 hour of credit may be received in any one office or business firm. Staff.
328. OFFICE MACHINES. 3; I, II. Operation of rotary and printing calculators. Discussion of application of various office machines. Three class periods a week. Mr. Montgomery.
352. BUSINESS EDUCATION IN SECONDARY SCHOOLS. 2; I, II. Principles, objectives, curriculum, instructional and resource materials, and methods in non-skill business subjects. Mr. Stutsman.
354. METHODS IN BOOKKEEPING. 1; I, II. Principles and methods of teaching bookkeeping. Mr. Goddard.
356. METHODS IN STENOGRAPHY. 1; I, II. Principles and methods of teaching shorthand, transcription, and office practice. Miss Rusher.
358. METHODS IN TYPEWRITING. 1; I, II. Principles and methods of teaching typewriting and clerical practice. Mr. Guthrie.
359. OFFICE AUTOMATION FOR TEACHERS. 1; I, II. Principles of electronic data processing, vocabulary of EDP, careers in data processing for high school graduates, and operation of some EDP equipment. Staff.
364. METHODS OF TEACHING DISTRIBUTIVE EDUCATION. 3; I. Selection, organization, and presentation of related and vocational materials at the secondary level. Teaching techniques in distributive education emphasized through practice and theory. Mr. Mills.
401. SECRETARIAL SCIENCE. 3; II. A study of office procedures and skills which form the basis for top-level secretarial work with emphasis on developing a plan for personal improvement. Prereq.: 6 hours of shorthand or consent of instructor. Staff.
441. CONSUMER EDUCATION IN THE SCHOOLS. 3; summer. Investigation of the need for consumer education. Study of problems incident to the organization and integration of consumer education in school programs. Consideration of the necessary background in consumer and business information. Mr. Guthrie.

453. PROBLEMS AND PROCEDURES IN TEACHING HIGH SCHOOL BUSINESS SUBJECTS. 3; I. Study of the problems involved in teaching business subjects, including trends and recommended procedures evolving from research in the field. Staff.

455. OFFICE MANAGEMENT. 3; I. Application of management principles to the office services of an enterprise; techniques and problems in the supervision of office work and office workers. Mr. Stutsman.

461. SELECTION AND DEVELOPMENT OF INSTRUCTIONAL MATERIALS IN DISTRIBUTIVE EDUCATION. 3; summer. Study and application of methods for selecting and developing teaching materials for high school and adult programs. Emphasis on development and organization of content materials. Mr. Mills.

462. COORDINATION TECHNIQUES IN COOPERATIVE VOCATIONAL EDUCATION. 3; I, II, summer. Problems and techniques of coordination in high school post-high school and adult training programs in vocational business and distributive education. Mr. Bowling, Mr. Mills.

463. COMMUNITY PLANNING IN ADULT VOCATIONAL EDUCATION. 3; I, II, summer. Identification of educational needs; procedures for organization and promotion; selection and training of adult leaders and teachers; publicizing, promoting, and financing adult training. Prereq.: senior standing. Mr. Mills.

465. ORGANIZATION AND ADMINISTRATION OF VOCATIONAL EDUCATION. 3; II. A study of the structure, problems, and supervision of vocational education as sponsored by the federal, state, and local legislation. A critical analysis of responsibilities of leaders and teachers. Mr. Bowling, Mr. Mills.

466. ORGANIZATION AND DEVELOPMENT OF VOCATIONAL BUSINESS AND OFFICE EDUCATION PROGRAMS. 3; I, II. Principles of program construction; organization improvement, implementation, evaluation, and development of program guides. Mr. Bowling.

467. VOCATIONAL CONCEPTS FOR BUSINESS AND DISTRIBUTIVE EDUCATION. 3; summer. Analysis of curricula construction, implementation, and evaluation of the vocational program. One of the following areas will be covered each summer: disadvantaged youth, cooperative education, vocational education for adults, intensive programs for high school or technical (13th and 14th year) education. Mr. Bowling, Mr. Mills.

491. STUDIES IN BUSINESS AND DISTRIBUTIVE EDUCATION. 1-3; offered on demand. Treatment of selected areas in depth. Offered to individual students, on a conference or lecture basis, or in seminar, depending on student needs and nature of material. May be repeated to 6 hours. Prereq.: consent of instructor. Staff.

CHEMISTRY

PROFESSORS W. HALL (CHAIRMAN), ANDERS, HAMMER, J. WEBER; ASSOCIATE PROFESSORS BOGGS, DEN BESTEN, HURST, HUTTON, MEYER; ASSISTANT PROFESSORS R. HUTCHISON, NEWMAN,†† SOLON; VISITING INSTRUCTOR STEINERT;‡‡ PART-TIME INSTRUCTOR BRITT; ELECTRONICS TECHNICIAN SYNNAMON.

The Department of Chemistry is accredited by the American Chemical Society.

100.* INTRODUCTION TO CHEMISTRY. 3; I, II. A non-laboratory terminal course; not open to majors or minors in chemistry. Three lectures a week. Miss Hurst.

†† On leave second semester 1966-67.

‡‡ Second semester 1966-67.

- 101.* GENERAL CHEMISTRY. 4; I, II. Two lectures, one recitation, and two two-hour laboratory periods a week. Prereq.: demonstration of proficiency equivalent to one year of high school algebra. Staff.
- 102.* GENERAL CHEMISTRY. 4; I, II. Chem. 101 cont'd. One-half semester of qualitative analysis. Two lectures, one recitation and two two-hour laboratory periods. Prereq.: Chem. 101, or 111 with consent of instructor. Staff.
- 103.* GENERAL CHEMISTRY. 4; I. For students with strong backgrounds in chemistry and mathematics. Three lectures and four hours of laboratory a week. Prereq.: high school chemistry and consent of instructor. Prereq. or parallel: Math. 123. Mr. Hutton.
- 111.* ELEMENTARY CHEMISTRY. 3; I. Two lectures and one three-hour laboratory a week. Prereq.: two years of high school science and/or mathematics. Not accepted toward a chemistry major or minor unless followed by Chem. 102. Staff.
- 112.* ELEMENTARY CHEMISTRY. 3; II. Chem 111 cont'd. Two lectures, one three-hour laboratory period a week. Prereq.: Chem. 101 or 111. Staff.
- 201.* QUANTITATIVE ANALYSIS. 4; I, II. Gravimetric and volumetric analysis. Three lectures and two three-hour laboratory periods a week. Prereq.: Chem. 102. Mr. Anders, Mr. Hammer, Mr. Solon.
- 203.* ORGANIC CHEMISTRY. 4; I. Survey of organic chemistry; not open to the chemistry major. Three lectures and one three-hour laboratory period a week. Prereq.: Chem. 102 or 112. Mr. Boggs.
- 205.* BIOCHEMISTRY. 4; II; offered on demand. A study of carbohydrates, lipids, proteins, and certain accessory factors, with chemical changes in intermediary metabolism. Three lectures and one three-hour laboratory period a week. Prereq.: Chem. 203 or equivalent. Mr. Boggs.
- 301* (301, 303). ORGANIC CHEMISTRY. 4; I, summer. Fundamental principles and practices of organic chemistry. Three lectures and one three-hour laboratory a week. Mr. Weber.
- 302* (302, 304). ORGANIC CHEMISTRY. 4; II, summer. Chem. 301, cont'd. Three lectures and one three-hour laboratory a week. Prereq.: Chem. 301. Mr. Weber.
- 305.* ORGANIC CHEMISTRY LABORATORY. 2; I, II. Advanced laboratory principles and practice. Two three hour laboratory periods a week. Prereq.: Chem. 302. Staff.
- 310.* CHEMICAL LITERATURE. 2; II. Introduction to the use of the technical literature based on study of an individual problem; a background for Chem. 413, 414. Two one-hour meetings a week. Prereq.: 16 hours of chemistry; reading knowledge of German desirable. Mr. Hall.
- 321.* INTERMEDIATE ANALYSIS. 4; I. Extension of Chem. 201 with emphasis on extractive, chromatographic, and elementary instrumental methods of analysis. Students may not receive credit for this course and Chem. 421. Prereq.: Chem. 201 and Physics 202 or 204. Mr. Anders, Mr. Solon.
- 352.* PHYSICAL CHEMISTRY. 4; II. A one-semester course in physical chemistry for students whose programs do not require the full-year course. Three lectures and one three-hour laboratory period a week. Prereq.: Chem. 201; Math. 123. Prereq. or parallel: Physics 204 or equivalent. Mr. Meyer, Mr. Newman.
- 401.* PHYSICAL CHEMISTRY. 3; I. The major topics of physical chemistry developed through thermodynamics and the molecular approach, with appropriate emphasis on physics and mathematics. Three recitations a week. Prereq.: Chem. 201; Math. 232; Physics 202 or 204. Parallel: Chem. 403. Mr. Meyer, Mr. Newman.

402.* PHYSICAL CHEMISTRY. 3; II. Chem. 401 cont'd. Three lectures a week. Prereq.: Chem. 401. Parallel: Chem. 404. Mr. Den Besten.

403.* PHYSICAL CHEMISTRY LABORATORY. 1 or 2; I. To accompany Chem. 401. One or two three-hour laboratory periods a week. Approximately 15 hours of laboratory time are devoted to lectures on dimensional analysis, theory of measurement, glass working, and instrumentation. Prereq. or parallel: Chem. 401; Math. 232. Mr. Hall.

404.* PHYSICAL CHEMISTRY LABORATORY. 1 or 2; II. To accompany Chem. 402. Emphasis is placed on experimental methods used in research and industry. One or two three-hour laboratory periods a week. Prereq.: Chem. 403. Prereq. or parallel: Chem 402. Mr. Hall.

405.* BIOCHEMISTRY. 5; II. Studies in the chemistry of living processes. Synthesis and breakdown of carbohydrates, lipids, proteins, and related factors including experimental evidence for pathways of intermediary metabolism. Three lectures and two three-hour laboratory periods a week. Not open to students who have credit for Chem. 205. Prereq.: Chem. 302 and 352, or 401 concurrently. Mr. Boggs.

406.* THEORETICAL ORGANIC CHEMISTRY. 3; II. Advanced studies in the synthesis of complex compounds, reaction mechanisms, and stereochemistry. Prereq.: Chem. 302. Prereq. or parallel: Chem. 402. Mr. Boggs, Mr. Hutchison.

413.* SPECIAL PROBLEMS. 1-3; I, II. Introduction to chemical research; library and laboratory work. One to three three-hour laboratory periods and one half-hour conference each week. Oral and written reports. Prereq.: consent of instructor; 24 hours of chemistry, including Chem. 310; Math. 131; Physics 201, 202 or 203, 204. Mr. Hall and staff.

414.* SPECIAL PROBLEMS. 1-3; I, II. Chem. 413 cont'd. Staff.

420.* ADVANCED INORGANIC CHEMISTRY. 3; II. A one-semester course on modern aspects of inorganic chemistry. Three recitations a week. Prereq.: 26 hours of chemistry, including Chem. 401. Miss Hurst, Mr. Hutton.

421.* INSTRUMENTAL METHODS OF ANALYSIS. 4; II. Principles and laboratory practices in the application of optical, electrometric, thermal, and other methods to qualitative and quantitative analysis. Two lectures and two three-hour laboratory periods a week. Prereq. or parallel: Chem. 402, 404; Physics 303 or 308 or consent of instructor. Mr. Anders.

430.* QUALITATIVE ORGANIC ANALYSIS. 3; I. Systematic procedures for separation and identification of organic compounds. One lecture and two three-hour laboratory periods a week. Prereq.: Chem. 302. Mr. Boggs.

ECONOMICS

PROFESSORS B. MABRY (CHAIRMAN), HELMS, D. HORTON, R. THOMAS, VAN SCOYOC, VOSKUIL; ASSOCIATE PROFESSORS EDWARDS, WILEY; ASSISTANT PROFESSORS FUNDABURK, HAJ,** N. MILLER; INSTRUCTORS CHITTLE, KRISHNAN; PART-TIME INSTRUCTOR TOLER.

COURSES IN THEORY

201.* PRINCIPLES OF ECONOMICS. 3; I, II. Foundations of economic development; the structure of the American economy; fundamentals of supply and demand; agriculture; determination of national income; role of banking system; monetary and fiscal policy; business fluctuations and employment policies. Prereq.: sophomore standing. Staff.

**On leave 1966-67.

- 202.* **PRINCIPLES OF ECONOMICS.** 3; I, II. Econ. 201 cont'd. National income distribution; market analysis and public policy; labor unions, monopoly, maintenance of effective competition; basic factors in international trade and finance; the various approaches to economic growth and development; capitalism and liberalism. Prereq.: Econ. 201 or 271. Staff.
271. **BASIC ECONOMICS.** 3; I, II. Fundamentals of aggregate economics. The marketing system, money, and the role of the consumer. Not open to the student who is required to complete Econ. 201. Staff.
- 401.* **INTERMEDIATE ECONOMIC THEORY.** 3; I. Principles of micro-economic theory. Theory of demand, of the firm, of production and distribution. Economics of pure competition, monopoly, and monopolistic competition. Factor price determination: wages, interest, rent, profit. Prereq.: Econ. 202. Staff.
- 402.* **ECONOMETRICS.** 3; I. Mathematical techniques used in formulating models of economic theory; introduction to statistical techniques to measure economic data and test validity of theoretical models. Prereq.: Math. 122, Stat. 202, Econ. 202. Staff.
- 403.* **NATIONAL INCOME ANALYSIS.** 3; II. Conceptual basis and construction of national income accounts, national balance sheet; accounts as measures of economic activity; income determination theory; public policy making. Prereq.: Econ. 202. Staff.
- 404.* **MANAGERIAL ECONOMICS.** 3; I; offered in 1967-68 and in alternate years. The application of economic theory to decision-making problems of the firm; profit management, demand analysis-sales forecasting; cost analysis; pricing; practices and policies; cases in managerial economics. Prereq.: Econ. 202 and Stat. 202. Staff.

COURSES IN MONEY, BANKING, PUBLIC FINANCE

- 311.* **MONEY, BANKING, AND PUBLIC POLICY.** 3; I, II. The functions of money in U.S. modern economy. The commercial banking process, deposit creation. The implications of a fractional reserve system; control by the Federal Reserve over member bank reserves and money supply. The role of money and monetary policy in the total economy. Prereq.: Econ. 202. Staff.
- 331.* **PUBLIC FINANCE.** 3; I. Basic principles of taxation and government fiscal policy; detailed study of federal, state, local taxes. Tax reform approached through written and oral reports from the National Tax Journal. Prereq.: Econ. 202. Staff.
- 414.* **MONETARY AND FISCAL POLICY.** 3; II. Objectives of monetary policy; tools of monetary control; history of monetary policy; monetary and fiscal controls and their effect on total economic activity; international monetary problems. Prereq.: Econ. 311. Staff.
475. **THE ECONOMICS OF PUBLIC EDUCATION.** 3; offered on demand. For teachers and school administrators; financing education, relationship of education financing to the broader economic problem of monetary and fiscal policies, federal and state taxation, government debt. Staff.

COURSES IN LABOR ECONOMICS

- 321.* **LABOR ECONOMICS.** 3; I, II. The economics of employment and utilization of human effort in production of goods and services, labor organizations, collective bargaining, regulation of labor by government, wage determination, unemployment and social security. Prereq.: Econ. 202. Staff.

423.* LABOR-MANAGEMENT RELATIONS. 3; II. Employer-employee relations with emphasis on functions of collective bargaining process: conciliation, mediation and arbitration procedures. Prereq.: Econ. 202. Staff.

424.* INCOME DISTRIBUTION: ANALYSIS AND POLICY. 3; I; offered in 1968-69 and in alternate years. Investigates leading forces determining income distribution; claims and counterclaims of employers and labor organizations and effects of the adoption of various economic policies. Prereq.: Econ. 202. Staff.

COURSES IN TRANSPORTATION

441.* TRANSPORTATION ECONOMICS. 3; I. The historical background and the evolution of each mode, the problems encountered, development of public regulation. Emphasis on railroads with limited attention to other modes. Prereq.: Econ. 202. Staff.

442.* AIR TRANSPORTATION. 3; II; offered in 1968-69 and in alternate years. Economic basis of the airlines, financing, traffic control, domestic and international regulatory policies. Prereq.: Econ. 202. Staff.

443.* CURRENT PROBLEMS IN TRANSPORTATION. 3; II; offered in 1968-69 and in alternate years. Individual or group studies. Current literature, court decisions, and policies of the regulatory agencies provide materials for the course. Prereq.: Econ. 202. Staff.

444.* INDUSTRIAL TRAFFIC MANAGEMENT. 3; II; offered in 1967-68 and in alternate years. Nature and function of transportation management; freight classification; rates; tariffs; shipping documents; routing, claims; regulatory procedures. Export-import traffic; warehousing. Prereq.: Econ. 202. Staff.

445.* MOTOR CARRIERS. 3; I; offered in 1968-69 and in alternate years. Evaluation of highway transport; financing of motor carriers and highways; economics of the industry; regulatory policies. Prereq.: Econ. 202. Staff.

COURSES IN PUBLIC UTILITIES

447.* ECONOMICS OF PUBLIC UTILITIES. 3; II; offered in 1967-68 and in alternate years. Evolution of the electric power, natural gas, telephone, radio, television, urban transit industries. Development of regulatory policies. Valuation, rate making, and government ownership. Public power projects. Prereq.: Econ. 202. Staff.

COURSES IN INTERNATIONAL ECONOMICS

351.* INTERNATIONAL TRADE AND FINANCE. 3; I. Emphasizes practical aspects of international trade and finance; organizational structure and management of foreign trade; the mechanics of international finance; new elements in the foreign trade of the United States. Prereq.: Econ. 202. Staff.

451.* INTERNATIONAL ECONOMICS. 3; II. Analysis of various theories; international trade as a factor in national income; significance of international investment; public policies to promote trade; international economic cooperation. Prereq.: Econ. 202. Staff.

COURSES IN LAND ECONOMICS

361.* PRINCIPLES OF LAND ECONOMICS. 3; I. Significance of real estate in a capitalistic society with emphasis on problems of brokerage; nature of real estate rights; management, valuation, and finance; influence of a changing population on land utilization. Prereq.: Econ. 202 or consent of instructor. Staff.

460.* URBAN AND RURAL LAND ECONOMICS. 3; II; offered in 1967-68 and in alternate years. Problems of city development; urban planning; subdivisions; real estate market analysis; importance of fertility, location, population growth, government policies, development of transportation, and technological change in the analysis of real estate. Prereq.: Econ. 202. Staff.

461.* FINANCING, MANAGEMENT, AND APPRAISAL OF REAL ESTATE. 3; II; offered in 1968-69 and in alternate years. Methods and procedures in real estate finance; real estate investments; sources of funds; the role of the Federal Housing Administration; emphasis on techniques in real property valuation. Prereq.: Econ. 202. Staff.

GENERAL COURSES IN ECONOMICS

371.* ECONOMIC DEVELOPMENT. 3; I. Analysis of obstacles and current efforts to promote economic growth in under-developed areas; comparisons of highly developed areas such as the United States, with case studies of selected areas. Staff.

409. ECONOMICS INTERNSHIP. 1-3; II; not open to the student with credit for Bus. Adm. 409 or Acctng. 409. Program must be approved in advance by program coordinator and student's department chairman. Work experience must be completed within one year. Credit will be determined by the quality and extent of the work experience. Staff.

471.* SOCIAL CONTROL OF ECONOMIC ACTIVITY. 3; I. Role of government in the capitalistic economy; underlying causes for expansion of federal economic control; definition and coordination of goals of public policy; determination of means of execution of these controls. Prereq.: Econ. 202 or consent of instructor. Staff.

472.* ECONOMIC MOVEMENTS. 3; II. Economic systems and their strategies. Analysis of the wants, satisfactions, production and consumption, pricing policies, income, wealth, profits, wages, public revenues and expenditures, cyclical fluctuations of the economy, and international economic relations of each system. Staff.

473.* HISTORY OF ECONOMIC THOUGHT. 3; II. The development of economics and the tools of economic analysis from Adam Smith to J. M. Keynes. Prereq.: Econ. 202. Staff.

474.* THE SOVIET ECONOMY. 3; I. A study of the resources, structure and operation of the Soviet economy today. Emphasis on the planned goals of the system, the process utilized in attaining them, and the system's economic efficiency. Prereq.: Econ. 202. Staff.

491.* STUDIES IN ECONOMICS. 1-3; offered on demand. Treatment of selected areas in depth. Offered to individual students, on a lecture basis, or as a seminar, depending on student needs and the nature of the material. May be repeated to 6 hours. Staff.

495.* READINGS FOR HONORS IN ECONOMICS. 3-6; I, II. For the economics major with a cumulative point average of 3.0; culminating in a treatise or comprehensive examination which must have departmental approval. Prereq.: consent of the department. Students should consult the department chairman. Staff.

EDUCATION

ASSOCIATE PROFESSOR SAVILLE (CHAIRMAN); PROFESSORS BECK, BERRY, BRUNE, ERBE, ‡ FOX, GEER, HARRINGTON, JENSON, LEE, L. ORT, RABIN, M. WEBER, C. YOUNG; ASSOCIATE PROFESSORS BEYNON, ‡‡ G. DANIELS, DRUMRIGHT, ELSASS, ENDRES, HAGMAN, HARRIS, J. HUTCHISON, D. MILLER, D. MINIFIE, NEMETH, V. ORT, R. ROWE, RYBAK, TOSCANO, F. WILLIAMS, YORK; ‡‡ ASSISTANT PROFESSORS ALCORN, M. CAMPBELL, ENGLEBRIGHT, HAYDEN, MCBRIDE, PHILLIPS, PIGGE; INSTRUCTORS WANDA ALEXANDER, ‡‡ J. ANDERSON, S. ANDREWS, AVERS, BALDWIN, T. BENNETT, BRYSON, HOHMAN, LOWRY, E. MINIFIE, MOOMAW, POHLMANN, SCHALLER, R. SMITH, TRACEY; INTERN INSTRUCTORS H. CAMPBELL, DELAMATRE, DILLEHAY, OGDEN, H. ROWE, SLAYMAKER; PART-TIME INSTRUCTORS M. GROSS, ‡‡ GUYTON, ‡‡ FORD, ‡‡ PARLETTE, ‡‡ POTH, ‡‡ RAMSEY. ‡

242. PSYCHOLOGY OF CHILDHOOD. 3; I, II, summer. Application of psychology to the study of children. Prereq.: Psych. 201. Staff.

302. EDUCATIONAL PSYCHOLOGY (See Psych. 302). 3; I, II, summer. Concepts and factors affecting the application of psychological principles to the educative process. Replaces Psych. 204; required of all education majors and those applying for certification. Mr. Bennett, Mr. Drumright, Mrs. Weber, staff.

331. STUDENT TEACHING. 8; I, II. Required of all students in secondary school and special certification programs. Classroom teaching under supervision is provided on a full-day basis. Conferences and seminars supplement the program. Fee \$36. Educ. 402, 408, 409 are scheduled concurrently. Staff.

332. STUDENT TEACHING. 1-4; I, II. Optional additional student teaching taken upon the advice and consent of the staff. Staff.

351. SOCIAL STUDIES IN THE ELEMENTARY SCHOOL. 3; I, II, summer. Theory underlying teaching procedures. Objectives, curriculum, instructional materials, methods, laboratory experience in social studies. Laboratory requires a three-hour time block one morning a week for eight weeks. Prereq.: Psych. 302 or Educ. 242. Miss Hagman, Mr. Young.

352. MATHEMATICS IN THE ELEMENTARY SCHOOL. 2; I, II, summer. The teaching of modern mathematics in grades K-6. Objectives, curriculum, materials of instruction, methods of teaching and evaluation. Three lecture-laboratory hours per week. Prereq.: Math. 241; Educ. 242 or Psych. 302. Mr. Brune, Mr. Pigge.

353. SCIENCE IN THE ELEMENTARY SCHOOL. 2; I, II, summer. The teaching of science in grades K-6. Objectives, curriculum, materials of instruction, methods of teaching and evaluation. Three lecture-laboratory periods a week. Prereq.: Educ. 242 or Psych. 302. Mr. Harris, Mr. Lee.

356. LANGUAGE ARTS AND READING IN THE ELEMENTARY SCHOOL. 3; I, II, summer. Theory underlying procedures in teaching. Objectives, curriculum, instructional materials, methods and laboratory experience in language arts and reading. Prereq.: Educ. 242 or Psych. 302. Mr. Englebright, Mrs. Lowry.

357. KINDERGARTEN-PRIMARY CURRICULUM AND METHODS. 3; I, II. Objectives, curriculum, instructional and resource materials, methods, laboratory experience in kindergarten-primary education. Should precede the semester of student teaching. Prereq.: Educ. 242 or Psych. 302. Mrs. Schaller, Mrs. Tracey.

358. MODERN FOREIGN LANGUAGES IN THE ELEMENTARY SCHOOLS. 3; II. Study of objectives, methods, curricula, instructional and resource materials in foreign language teaching in the elementary school. Open only to the elementary education major with a language minor or with consent of instructor. Prereq.: Educ. 242 or Psych. 302. Staff.

‡First semester 1966-67.

‡‡Second semester 1966-67.

371. ENGLISH IN SECONDARY SCHOOLS. 3; I, II. Principles, objectives, curriculum, instructional and resource materials, and methods of teaching English in secondary schools. Two lectures and two laboratory periods a week. Prereq.: Psych. 302 and junior standing. Mr. Hillocks,† Miss Moulton,† Mr. Rybak.

372. SPEECH IN SECONDARY SCHOOLS. 3; I. Principles, objectives, instructional and resource materials, and methods for curricular, extracurricular and co-curricular speech in secondary schools. Two lectures and two laboratory periods a week. Prereq.: Psych. 302 and junior standing. Staff.‡

373. FOREIGN LANGUAGE IN SECONDARY SCHOOLS. 3; II. Principles, objectives, curriculum, instructional and resource materials, and methods of teaching foreign language in secondary schools. Two lectures and two laboratory periods a week. Prereq.: Psych 302 and junior standing. Staff.**

374. MATHEMATICS IN SECONDARY SCHOOLS. 3; I, II, summer. Principles, objectives, curriculum, instructional and resource materials, and methods of teaching mathematics in secondary schools. Two lectures and two laboratory periods a week. Prereq.: Psych. 302 and junior standing. Mr. Brune, Mr. Pigge.

375. SCIENCE IN SECONDARY SCHOOLS. 3; I, II. Principles, objectives, curriculum, instructional and resource materials, and methods of teaching science in secondary schools. Two lectures and two laboratory periods a week. Prereq.: Psych. 302 and junior standing. Mr. Beck, Mr. Lee.

376. SOCIAL STUDIES IN SECONDARY SCHOOLS. 3; I, II. Principles, objectives, curriculum, instructional and resource materials, and methods of teaching social studies in secondary schools. Two lectures and two laboratory periods a week. Prereq.: Psych. 302 and junior standing. Mr. Endres.

381. STUDENT TEACHING. 8; I, II. Required for elementary and/or kindergarten-primary certification. Classroom teaching under supervision on a full-day basis. Conferences and seminars supplement the program. Fee \$36. Educ. 402, 408, and 409 are scheduled concurrently. Staff.

382. STUDENT TEACHING. 1-4; I, II. Optional additional student teaching taken upon the advice and consent of the staff. Staff.

401. CONTEMPORARY SECONDARY EDUCATION. 3; offered on demand. Secondary school problems in curriculum, organization, planning, and methods in relation to historical, philosophical, psychological, and sociological backgrounds. Prereq.: consent of instructor. Staff.

402. TESTS AND MEASUREMENTS. 3; I, II, summer. Principles of measurement applied to instructional problems; construction of tests for use in the classroom and a survey of standardized tests; introduction of simple statistical procedures. Prereq.: Psych. 302. Mr. Alcorn, Mr. Harrington, staff.

408. FOUNDATIONS OF AMERICAN EDUCATION. 3; I, II, summer. Historical, philosophical, sociological, and psychological influence in American education, role of the school in American culture. Staff.

409. THE AMERICAN EDUCATIONAL SYSTEM. 3; I, II, summer. Organizational and administrative policies, practices, problems, issues with emphasis on sources and forms of financial support, school personnel, professional relations. Mr. Berry, Mr. Pohlmann, Mr. Toscano.

†Department of English.

**Departments of Romance Languages, and German and Russian.

‡Department of Speech.

422. INVESTIGATIONS IN THE TEACHING OF READING. 3; I, II, summer. Interpretation of the results of research in reading, with emphasis on understanding the reading process and learning problems in the teaching of reading. Not open to the student with credit for Lib. Sci. 422. Mr. Nemeth, Mrs. Weber.
423. INVESTIGATIONS IN THE TEACHING OF ARITHMETIC. 3; II, summer. Research in mathematics education as it affects elementary schools. Theories of learning experiments in teaching procedures, curriculum studies, classroom materials and equipment. Mr. Brune, Mr. Drumright, Mr. Pigge.
424. INVESTIGATIONS IN THE TEACHING OF SOCIAL STUDIES. 3; II, summer. Analysis of patterns and principles of organization of social studies in the elementary and secondary schools. Study of teaching materials and procedures. Mr. Endres, Mr. Young.
426. INVESTIGATIONS IN THE TEACHING OF ELEMENTARY SCIENCE. 3; I, II, summer. Analysis of the science concepts and principles to be developed; nature of materials and methodology, and design of evaluation procedures. Mr. Harris, Mr. Lee.
427. PREPARATION OF INSTRUCTIONAL MATERIALS. 3; I, II, summer. Planning and executing visual materials in terms of desired objectives. Techniques for projected and non-projected materials. Two lecture-demonstrations, one two-hour laboratory each week. Not open to the student with credit for Lib. Sci. 427. Mr. Williams.
428. UTILIZATION OF AUDIO-VISUAL MATERIALS. 3; I, II, summer. Use of audio-visual materials in improving instruction; background in selection, utilization, and evaluation of major types of audio-visual materials. Not open to the student with credit for Lib. Sci. 428. Mr. Daniels, Mr. Williams.
433. EDUCATION OF SLOW LEARNING CHILDREN. 3; I, II, summer. An introductory course to help prospective teachers understand the slow learner and his problems; causes, diagnosis, and understanding of the psychological problems of the slow learner. Prereq.: Psych. 204 or 302. Mr. Miller, Mrs. Minifie, Mr. Minifie.
434. LANGUAGE ARTS FOR SLOW LEARNING CHILDREN. 3; I, II, summer. Practical measures for approaching the language arts with slow learners, including reading, writing, spelling, oral and written communication. Methods and materials appropriate to the developmental levels of slow learning children are reviewed. Prereq.: Educ. 433, 441. Mr. Minifie, Mr. Smith.
435. ARITHMETIC AND SCIENCE FOR SLOW LEARNING CHILDREN. 3; II, summer. A functional approach to arithmetic and science for slow learners; teacher's responsibility for developing appropriate sequence of skills, and knowledge for slow learning children. Prereq.: Educ. 433, 441. Mr. Minifie, Mr. Smith.
436. SOCIAL STUDIES FOR SLOW LEARNING CHILDREN. 3; II, summer. Introduction to the social studies' sequence for slow learners. Selection, organization, and development of appropriate units (or social studies cores) for use with slow learning children. Prereq.: Educ. 433, 441. Mr. Minifie, Mr. Smith.
437. OCCUPATIONAL ORIENTATION AND JOB PREPARATION FOR SLOW LEARNING CHILDREN. 3; I, summer. The responsibilities of special class teachers for developing employable skills with slow learning children. Prereq.: Educ. 433, 441. Mrs. Minifie, Mr. R. Rowe.
439. INTRODUCTION TO TEACHING OF SEVERELY MENTALLY RETARDED (TRAINABLE) CHILDREN. 3; I, II, summer. To help prospective teachers understand and teach severely mentally retarded children. Study of known causes and psychological and development problems involved. Mr. Miller.

440. CURRICULUM DEVELOPMENT AND METHODOLOGY FOR TEACHING SEVERELY MENTALLY RETARDED CHILDREN. 3; I, II, summer. Materials and techniques for teaching severely mentally retarded children. Emphasizes the development and appropriate skills with practical applications. Prereq.: Educ. 439 or consent of instructor. Mr. Miller.
441. THE EDUCATION OF THE EXCEPTIONAL CHILD. 3; I, II, summer. Special needs of the atypical school child and how they can be met. Mrs. Minifie, Mr. Minifie, Mr. R. Rowe.
443. PRACTICUM WITH SEVERELY MENTALLY RETARDED CHILDREN. 6; I, II. Individual observations, participation, and supervised practicum experiences in the education of severely mentally retarded children. Prereq.: Educ. 440 or consent of instructor. Mr. Miller.
445. SHELTERED WORKSHOP-FUNCTION AND RELATIONSHIP TO SPECIAL EDUCATION. 3; I, II, summer. Role of sheltered workshops in the habilitation of mentally retarded persons. Techniques needed in making job analyses and in analyzing skills required for specific jobs and job areas. Mr. Hutchison, Mr. Miller.
451. UNDERSTANDING THE EMOTIONALLY DISTURBED CHILD. 3; I, II, summer. Designed to acquaint the prospective teacher with emotionally disturbed children, the ways disturbances are manifested, and means of treating these disturbances in the classroom. Prereq.: Educ. 441; Psych. 305, 405. Mr. R. Rowe.
452. SPECIAL EDUCATION PROCEDURES FOR THE EMOTIONALLY DISTURBED CHILD. 3; I, II, summer. Designed to acquaint the prospective teacher with the special methods and materials used in teaching the emotionally disturbed child in the classroom. Prereq.: Educ. 451. Mr. R. Rowe.
490. PROBLEMS IN EDUCATION. 1-3; offered on demand. For advanced students wanting to conduct intensive study of selected problems in education. May be repeated to 4 hours; undergraduate credit only. Prereq.: consent of the department. Staff.

ENGLISH

PROFESSORS COFFMAN (CHAIRMAN), BALDANZA, CARPENTER, FLOYD, J. GROSS, LEEDY, O'DONNELL,* PAYNE; VISITING PROFESSOR LEACH;‡‡ ASSOCIATE PROFESSORS BASHORE, E. DANIELS, ECKMAN, HISSONG, HUBACH, L. LELAND, MOULTON, PARNELL, PARRISH, PRICE, STEELE; ASSISTANT PROFESSORS ABEL, HALPERN, KINNEY, V. LELAND, V. MYERS,†† W. PRETZER, REISER, SALOMON; VISITING ASSISTANT PROFESSOR RIDGEWAY;‡‡ INSTRUCTORS G. HILLOCKS, STEPP,† WINKELMAN, WYMER; PART-TIME INSTRUCTORS D. ABELL, L. BRADY, C. LOUGHEED,‡ SATTLER, H. WALKER.

100. ENGLISH AS A FOREIGN LANGUAGE. 0; I, II. Improvement of the student's mastery of standard American English. Open to foreign students at intermediate or advanced levels of English proficiency. Three recitations and one laboratory period per week. May not be substituted for any degree requirement. Mr. Pretzer.

101.* THE PRINCIPLES OF WRITING. 3; I, II. The composition as a whole. Paragraphing; sentence structure; word usage. Adaptation of the composition to probable readers. Staff.

102.* THE PRINCIPLES OF WRITING. 3; I, II. Continuation of 101, with emphasis on exposition, including research. The resources of the English language as a vehicle for written persuasion and for literature. Staff.

*On leave 1966-67.

‡‡Second semester 1966-67.

††On leave second semester 1966-67.

†First semester 1966-67.

‡On leave first semester 1966-67.

103.* COMPOSITION AND LITERATURE. 3; I, II. An accelerated course in composition and selected readings. Completion of the course fulfills the freshman composition requirements. Reserved for students who meet special admission standards. Staff.

161.* WORLD LITERATURE. 3; I. Masterpieces of world literature to 1400, including such authors as Homer, Confucius, Aeschylus, Sophocles, Plato, Aristophanes, Virgil, and Dante. Mr. Steele and staff.

162.* WORLD LITERATURE. 3; II. Masterpieces of world literature since 1400, including such authors as Montaigne, Cervantes, Goethe, Hugo, Balzac, Dostoevski, and Kafka. Not open for credit to students who have credit for English 161 before June, 1965. Mr. Steele and staff.

202.* INTRODUCTION TO POETRY. 3; I, II. Study of poetry as a type of literature through a selection of great poems, past and present. Prereq. or parallel: English 102 or 103. Staff.

203.* INTRODUCTION TO DRAMA. 3; I, II. Study of drama as a type of literature through a selected group of representative plays, past and present. Prereq. or parallel: English 102 or 103. Staff.

204.* INTRODUCTION TO FICTION. 3; I, II. A study of fiction designed to develop appreciation of the short story and the novel as literary forms. Prereq. or parallel: English 102 or 103. Staff.

207.* INTERMEDIATE WRITING. 3; I, II. Primarily advanced exposition, including report writing for those who need it, with individual topics in the latter part of the course. Prereq.: English 102 or 103 with a grade of C or better, or written recommendation of an English instructor. Staff.

208.* CREATIVE WRITING. 3; I, II. Imaginative writing with chief attention to the short story. Class discussion and individual conferences. Admission by approval of the instructor. May be repeated to 6 hours. Staff.

300.* MASTERPIECES OF THE COMIC AND TRAGIC SPIRIT. 3; I, II. Selected masterpieces of Continental, English, and American Literature: Euripides, Moliere, Racine, Voltaire, Austen, Bronte, Conrad, Wilde, O'Neill, and Mann. Not counted toward required hours of English major or minor. Prereq.: English 102 or equivalent. Staff.

301.* SHAKESPEARE. 3; I, II. Representative comedies, history plays, tragedies and tragicomedies, and the sonnets. Prereq.: any 200-level literature course. Mr. Floyd, Mr. Price.

303.* AMERICAN LITERATURE: HERITAGE. 3; I. The roots of the American literary tradition and the growth of national independence of expression, based upon the texts of representative writers. Prereq.: any 200-level literature course. Staff.

304.* AMERICAN LITERATURE: MATURITY. 3; II. Analysis of literary and cultural patterns in American writing from the middle of the 19th century to World War I. Prereq.: any 200-level literature course. Staff.

306.* THE BIBLE. 3; II. The English Bible as a literary classic; its development, its poetry, and its influence upon literary culture. May be counted toward the required hours of an English major or minor. Mr. Steele.

307.* WRITER'S WORKSHOP. 3; I, II. Consideration of the principles of creative writing, analysis of contemporary models, and practice in original composition. Fiction emphasized first semester, poetry second. May be repeated to 6 hours. Prereq.: English 207, 208, or permission. Staff.

310.* ENGLISH LITERATURE SURVEY TO 1800. 3; I. A study of major authors in the context of the principal literary traditions of their times. Emphasis upon the developing ideas made memorable by their expression in the literature. Prereq.: any 200-level literature course. Staff.

- 311.* ENGLISH LITERATURE SURVEY: 1800 TO DATE. 3; II. A study of major authors in the context of the major literary traditions from 1800 to the present day. Though a continuation of 310, this course need not be taken in sequence. Prereq.: any 200-level literature course. Staff.
- 312.* EARLY ENGLISH LITERATURE. 3; I. English literature before 1500: *Beowulf* and Old English lyric poetry in translation; Chaucer's *Canterbury Tales* and *Troilus and Cryseyde* in Middle English. Prereq.: any 200-level literature course. Mr. Abel, Mr. Kinney.
- 314.* 16TH CENTURY LITERATURE. 3; I. The Renaissance: Christianity, the new Humanism, and Individualism. Christian and Courtly Ideals; the development of poetry, dramatic and non-dramatic, from *Everyman* to Spenser's *Faerie Queene*. Prereq.: any 200-level literature course. Mr. Floyd, Mr. Price.
- 315.* 17TH CENTURY LITERATURE. 3; II. Poetry and prose from 1600 to 1660; development of the essay, political pamphlet, letters, diaries, and biography; satirical, metaphysical, religious, and lyrical poetry. Prereq.: any 200-level literature course. Mr. Daniels, Mr. Gross.
- 316.* 18TH CENTURY LITERATURE. 3; II. Prose and poetry from the Restoration, Augustan, and Johnsonian periods, with selections from such neo-classical and pre-romantic writers as Dryden, Swift, Pope, Gray, Goldsmith, Johnson, Boswell, and Burns. Prereq.: any 200-level literature course. Mr. Parnell, Miss Stepp.
- 317.* THE ROMANTIC MOVEMENT. 3; I. English poetry and prose from 1789 to 1832, with emphasis on Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats. Prereq.: any 200-level literature course. Mr. Halpern.
- 318.* VICTORIAN LITERATURE. 3; II. English poetry and prose, exclusive of fiction, 1832-1900: Carlyle, Tennyson, Browning, Arnold, and their contemporaries. Prereq.: any 200-level literature course. Mr. Leland.
- 320.* CONTEMPORARY POETRY. 3; I. British and American poetry since 1890; emphasis on symbolism, imagery, and experiments with unusual rhythmic effects. Prereq.: any 200-level literature course. Mr. Coffman, Mr. Eckman.
- 322.* MODERN NOVEL: EUROPEAN. 3; I. Selected European novels in translation with emphasis on major 19th and 20th century writers who have contributed significantly to the development of the form. Prereq.: any 200-level literature course. Mr. Baldanza, Mr. Carpenter, Mr. Gross.
- 323.* MODERN NOVEL: ENGLISH AND AMERICAN. 3; II. A study of literary form in representative American and English novels since 1900. Prereq.: any 200-level literature course. Mr. Baldanza, Mr. Carpenter, Mr. Gross.
- 325.* MODERN DRAMA. 3; I, II. A study of the drama as a literary form through critical consideration of representative modern Continental, English, and American plays. Prereq.: any 200-level literature course. Mr. O'Donnell, Mr. Parnell.
- 342.* CHILDREN'S LITERATURE. 3; I, II. Wide reading and evaluation of books for children from nursery school through junior high school. Novels, folklore, informational literature, poetry. Bibliographical sources. Not open to students with credit for Library Science 342. Mrs. Leland, Mrs. Reiser.
- 380.* THE STUDY OF ENGLISH GRAMMAR. 3; I, II. A consideration of the ways in which Modern English grammar can be analyzed, with the main emphasis on a comparison of the traditional and structural approaches. Mr. Hillocks, Miss Moulton, Mr. Pretzer.
- 400.* CHAUCER. 3; I. Advanced study of *The Canterbury Tales* and *Troilus and Cryseyde* with emphasis on the cultural background as well as modern critical interpretation and analysis. Prereq.: any 200-level literature course. Mr. Kinney.

- 401.* **ADVANCED SHAKESPEARE.** 3; II. An intensive study of Shakespeare's dramatic technique in a specific dramatic form: tragedy, comedy, or history play. Prereq.: English 301. Mr. Floyd, Mr. O'Donnell, Mr. Price.
- 406.* **ENGLISH RENAISSANCE DRAMA.** 3; I; offered in alternate years. A survey of the English drama from 1580 to 1642, exclusive of Shakespeare. Prereq.: any 200-level literature course. Mr. Floyd, Mr. Price.
- 408.* **MILTON.** 3; I. Major and minor poetry; representative prose. Prereq.: any 200-level literature course. Mr. Daniels.
- 409.* **THE AMERICAN NOVEL: COOPER TO DREISER.** 3; II; offered in alternate years. Intensive study of six to eight authors who have not only historical importance but also make significant attempts to portray the American character. Prereq.: any 200-level literature course. Staff.
- 410.* **ENGLISH DRAMA OF THE RESTORATION AND 18TH CENTURY.** 3; II; offered in alternate years. A survey of the drama from 1660 to 1800 with consideration of all significant forms: tragedy, comedy, heroic play, and sentimentalism. Prereq.: any 200-level literature course. Mr. Parnell.
- 415.* **THE ENGLISH NOVEL: DEFOE TO AUSTEN.** 3; I. Selected novels by Defoe, Richardson, Fielding, Smollett, Sterne, Austen, and their contemporaries. Prereq.: any 200-level literature course. Staff.
- 416.* **THE ENGLISH NOVEL: SCOTT TO BUTLER.** 3; II. Selected novels by Scott, Dickens, Thackeray, Trollope, Eliot, Hardy, Butler and their contemporaries. Prereq.: any 200-level literature course. Staff.
- 419.* **CRITICAL METHODS.** 3; I. Study and practice in various modes of literary criticism. Survey of such methods as biographical, textual, psychological, mythical, and analytical. Prereq.: any 200-level literature course. Staff.
- 420.* **ENGLISH LITERATURE: ADVANCED STUDIES.** 3; I, II. Intensive study of an author, a literary school, a genre, or a selected theme. May be repeated to 6 hours if topics are clearly different. Prereq.: English 310 or 311. Staff.
- 421.* **INTRODUCTION TO FOLKLORE.** 3; II. Traditional British ballads and their American variants, historical legend, folk tales, folk medicine, children's lore, the supernatural, superstition, written literature, and scholarly collections of folklore. Prereq.: any 200-level literature course. Not open to students with credit for Library Science 421. Mr. Winkelman.
- 422.* **AMERICAN LITERATURE: ADVANCED STUDIES.** 3; I, II. Intensive study of an author, a literary school, a genre, or a selected theme. May be repeated to 6 hours if topics are clearly different. Prereq.: English 303 or 304. Staff.
- 424.* **FOLKLORE AND AMERICAN LITERARY TRADITIONS.** 3, II. Analysis and discussion of folklore, its appearance in American literature, and direct and indirect utilization by and impact on American authors. Staff.
- 425.* **IDEAS IN AMERICAN CULTURE.** 3; I; offered in alternate years. The study of selected ideological patterns as evidenced in American prose and poetry. Primary sources from other disciplines may be used along with pertinent literary studies. Prereq.: any 200-level literature course. Miss Payne.
- 430.* **AMERICAN TRANSCENDENTALISM.** 3; I. Major writers of the Transcendentalist movement are studied against the social and philosophical background of their time. Emphasis on the works of Emerson and Thoreau. Prereq.: any 200-level literature course. Mr. Bashore, Mr. Hubach.
- 435.* **HAWTHORNE AND MELVILLE.** 3; II. The major works of Hawthorne and Melville considered against the background of the age. Prereq.: any 200-level literature course. Mr. Gross.

442.* STUDIES IN CHILDREN'S LITERATURE. 3; summer. Special problems in children's literature: history, criticism, trends, individual authors, and types. Not open to students with credit for Library Science 442. Mrs. Leland.

482.* THE HISTORY OF THE ENGLISH LANGUAGE. 3; I. An historical study of the changes in the sounds, grammar, usage, and meaning of English from the Old English period to the Modern English period. Prereq. or parallel: English 380. Mr. Abel, Mr. Pretzer.

490.* PROBLEMS IN LITERATURE. 2-3; I, II. For advanced students who wish to read independently. Prereq.: consent of the department curriculum committee. Staff.

495.* HONORS READING. 3; I, II. For superior majors or minors, who want to pursue common studies determined by the interests of the group, looking toward the granting of Honors in English. Prereq.: consent of instructor. Staff.

GEOGRAPHY

PROFESSORS BUFORD (CHAIRMAN), KARNES, FRANK; VISITING PROFESSOR BOTTS; ASSOCIATE PROFESSORS FLETCHER, HILTNER; ASSISTANT PROFESSORS T. ANDERSON, KING, KUNSTMANN; INSTRUCTORS FRANCKOWIAK, KNAVEL, MAYER.

101.* ELEMENTS OF WORLD GEOGRAPHY. 3; I, II. Analysis of aspects of geography concerned with man and his works. Emphasis on distribution of man on the earth, factors causing distribution patterns, effect of these distributions on man's way of life, and relationship of the location of man to his physical environment. Staff.

102.* ECONOMIC GEOGRAPHY. 3; I, II. Forestry, fishing, grazing, agriculture, mining, manufacturing; the distribution of each activity. Mr. Hiltner.

110.* ELEMENTS OF PHYSICAL GEOGRAPHY I. 3; I, II. Fundamentals of physical geography stressing earth-sun relationships, elements of weather and climate, climatic types and their distribution, distribution of vegetation and soil. Two one-hour lectures and one two-hour laboratory period a week. Mr. King, Mr. Kunstmann.

111.* ELEMENTS OF PHYSICAL GEOGRAPHY II. 3; I, II. Fundamentals of physical geography with emphasis on representation of the earth on maps and worldwide distribution of landforms. Two one-hour lectures and one two-hour laboratory period a week. Prereq.: Geog. 110 or consent of instructor. Mr. King, Mr. Kunstmann.

211.* CARTOGRAPHY. 3; I, II. Practical map planning and construction, and graphic presentation of areal data. Six hours a week. Prereq.: Math. 123 and Geog. 111. Mr. Franckowiak.

213.* (313) METEOROLOGY. 3; I, II. Fundamental physical processes of the atmosphere and their relationship to the daily weather pattern. Mr. Fletcher.

225.* GEOGRAPHY OF MANUFACTURING AND TRADE. 3; I, II. Systematic study of world distribution of manufacturing, transportation, trade, with emphasis on geographic and economic factors affecting the location of economic activity. Mr. Botts, Mr. Frank.

230.* CULTURAL GEOGRAPHY. 3; I, II. Introduction to cultural geography stressing definition of cultural elements of the landscape, their distribution and interpretation. Mr. Anderson.

302.* GEOGRAPHY OF THE SOVIET UNION AND THE EAST EUROPEAN SATELLITES. 3; I; offered in 1968-69 and in alternate years. Regional study of the Soviet Union and East European satellites with an appraisal and interpretation of geographic factors influencing their development. Mr. Anderson.

- 331.* GEOGRAPHY OF ANGLO-AMERICA. 3; I, II. A regional study of the United States and Canada, with an explanation of the geographic factors influencing their growth and development. Mr. Karnes.
- 332.* GEOGRAPHY OF EUROPE. 3; II. A regional study of the free countries of Europe to gain an insight into the geographic aspects accounting for their present-day status and the interrelationships between these countries and the rest of the world. Mr. Buford.
- 333.* GEOGRAPHY OF LATIN AMERICA. 3; I. The local geography and world relations of South America, Central America, Mexico, and the West Indies. Staff.
- 334.* GEOGRAPHY OF EASTERN AND SOUTHERN ASIA. 3; II; offered in 1967-68 and in alternate years. A regional study of eastern and southern Asia and the geographic factors influencing development of the countries in this area. Mr. Frank.
- 335.* AFRICA SOUTH OF THE SAHARA. 3; I; offered in 1967-68 and in alternate years. A regional study of an analysis of the geographic factors influencing development of the countries of Africa. Mr. Frank.
- 336.* GEOGRAPHY OF THE MIDDLE EAST AND NORTH AFRICA. 3; II; offered in 1968-69 and in alternate years. Regional geography of the Middle East and North Africa stressing geographic problems of the area. Mr. Hiltner.
- 402.* ADVANCED ECONOMIC GEOGRAPHY. 3; I. Examination of the major theories of central place, industrial, and plant location with examples of advantages and disadvantages of each theory. Prereq.: Geog. 225 or consent of instructor. Staff.
- 403.* GEOGRAPHY OF OHIO. 3; I. Physical, economic, and human geography of the state stressing topography, climate, and leading occupations. Mr. Fletcher.
- 404.* CLIMATOLOGY. 3; II. The geophysical controls of climate and their effects on the distribution of the earth's climatic elements. Mr. Fletcher.
- 410.* FIELD TECHNIQUES. 3; II. Instruction and practice in techniques of field data collection and interpretation. Physical and cultural elements of the landscape are investigated. Mr. Anderson.
- 411.* ADVANCED CARTOGRAPHY. 3; II, offered in 1968-69 and in alternate years. Analysis of cartographic literature and new trends in cartographic research. Six hours per week. Prereq.: Geog. 211. Mr. Franckowiak.
- 426.* URBAN GEOGRAPHY. 3; I, II. An analysis of the distribution patterns and internal organization of urban places. Mr. Hiltner.
- 442.* CONSERVATION OF NATURAL RESOURCES. 3; II. Current problems associated with public policy to insure an adequate supply of water, soil, forests, wildlife, minerals, and recreational and human resources for the future; an evaluation of current land use planning. Mr. Karnes.
- 451.* HISTORICAL GEOGRAPHY OF THE UNITED STATES. 3; II. The environmental setting for the growth and development of the United States. Mr. Fletcher.
- 452.* POLITICAL GEOGRAPHY. 3; I, II. The geographic factors influencing the development of states and the interrelationship of these countries to each other. Mr. Buford.
- 471.* OCEANOGRAPHY. 3; I. See Biol. 471. May be included in the major or minor in earth science. Not open to the student with credit for Biol. 471 or Geol. 471. Prereq.: consent of instructors. Staff.†
- 490.* SPECIAL PROBLEMS IN GEOGRAPHY. 2-3; offered on demand. Readings and research on varied topics to suit the needs of each student. Staff.

†Departments of Biology, Geography and Geology.

GEOLOGY

PROFESSORS M. LOUGHEED (CHAIRMAN), COASH;** ASSOCIATE PROFESSORS HOARE, MANCUSO, RICH; ASSISTANT PROFESSORS FORSYTH, HOWE, KAHLE, OWEN.

100.* INTRODUCTION TO GEOLOGY. 3; I, II. The earth; physical and historical geology; economic, social, and philosophic aspects of the subject matter. Not open to the geology major or minor. Staff.

101.* PHYSICAL GEOLOGY. 4; I. Introduction to geology; physical processes by which land forms and structures are developed; survey of common rocks and minerals. Three lectures and one two-hour laboratory period a week; one field trip required. Staff.

102.* HISTORICAL GEOLOGY. 4; II. The history of the earth and the evolution of life forms. Three lectures and one two-hour laboratory period a week; one field trip required. Prereq.: Geol. 101. Staff.

110.* INTRODUCTION TO ASTRONOMY. 3; I. Description and discussion of the solar system, local stars and clusters, nebulae, galaxies, and the universe. Modern cosmogonies and the limitations for the existence and evolution of life. Methods of celestial observations. Mr. Lougheed.

206.* ROCKS AND MINERALS. 3; II. A non-technical study of earth materials as illustrated by gems, minerals, and rocks. Prereq.: Geol. 100 or 101. Not open to geology majors in the B.S. degree program. Credit not given for both Geol. 206 and 211. Mr. Kahle, Mr. Lougheed.

211* (311). MINERALOGY. 4; I. A study of minerals, with emphasis on crystallography, associations, genesis, and classification. Two lectures and two two-hour laboratory periods a week. Prereq.: Geol. 101. Prereq. or parallel: Chem. 101. Credit not given for both Geol. 206 and 211. Mr. Mancuso.

303.* PALEONTOLOGY. 3; I. The fossil invertebrates; their morphology, classification, and identification. Two lectures and one three-hour laboratory a week; one field trip required. Credit not given for both Geol. 303 and 305. Prereq.: Geol. 102 and Bio. 111. Mr. Hoare.

304.* GEOLOGY OF THE NATIONAL PARKS. 3; II. A survey of the geology of the United States as illustrated in the national parks and monuments. Not open to geology majors in the B.S. degree program. Prereq.: Geog. 111 or Geol. 100 or 101. Mr. Rich.

305.* LIFE OF THE GEOLOGIC PAST. 3; I. A non-technical study of the progressive development of animal life as illustrated by fossils. Not open to geology majors in the B.S. degree program. Credit not given for both Geol. 303 and 305. Mr. Hoare, Mr. Howe.

308* (204). STRATIGRAPHY AND SEDIMENTARY PETROLOGY. 4; II. The principles of stratigraphy, sedimentology, and sedimentary petrology. Two lectures and two two-hour laboratory periods a week; one field trip required. Prereq.: Geol. 211. Mr. Owen.

309* (209). STRUCTURAL GEOLOGY. 3; I. Deformation of the earth's crust. Two lectures and one three-hour laboratory period a week; one field trip required. Prereq.: Geol. 102; Engr. Dr. 101 or Geog. 211. Prereq. or parallel: Math. 123. Mr. Owen.

310.* GEOMORPHOLOGY. 3; II. Nature, evolution, and classification of landforms; detailed analysis of the sequence of landforms in the normal cycle of erosion in relation to varied geologic structure, rocks, and climates. One field trip required. Prereq.: Geol. 102. Mr. Rich.

**On leave 1966-67.

- 316.* **IGNEOUS AND METAMORPHIC PETROLOGY.** 4; II. Origin, mode of occurrence, and classification. Two lectures and two two-hour laboratory periods a week. Prereq.: Geol. 211. Prereq. or parallel: Chem. 102. Mr. Lougheed.
- 401.* **MINERAL DEPOSITS.** 4; II. The study of economic mineral deposits. Three lectures and one three-hour laboratory period a week. One field trip required. Prereq. or parallel: Geol. 316. Mr. Mancuso.
- 411.* **OPTICAL MINERALOGY.** 4; I. Principles of optical crystallographic theory. The use of the polarizing microscope for immersion methods of index measurement and the study of thin sections. Two lectures and two two-hour laboratories a week. Prereq.: Geol. 316. Mr. Kahle.
- 412.* **ADVANCED GEOLOGY.** 3; I. History of geology; sedimentation and structural geology as related to isostasy and mountain building, and as illustrated in regional geologic history. Prereq.: Geol. 102. Staff.
- 414.* **PETROLEUM AND COAL.** 4; II. The origin, migration, and accumulation of oil and gas. Problems in exploration. Formation and occurrence of coal. Three lectures and one three-hour laboratory a week; one field trip required. Prereq. or parallel: Geol. 308, 309. Mr. Owen.
- 471.* **OCEANOGRAPHY.** 3; I. See Biol. 471. May be included in the major or minor in earth science. Not open to the student with credit for Biol. 471 or Geog. 471. Prereq.: consent of instructors. Staff.‡
- 480.* **SEMINAR IN GEOLOGY.** 2; I. Seminar study of a selected topic. May be repeated to 4 hours. Prereq.: consent of instructor. Staff.
- 490.* **GEOLOGICAL PROBLEMS.** 1-3; I, II. Individual work for advanced students who have shown proficiency and a marked degree of independence in their work. May be repeated to 6 hours. Prereq.: consent of instructor. Staff.
- 493.* **FIELD GEOLOGY.** Summer. A field course in the Western U.S. with work and credit to be arranged within a maximum of 6 hours of credit. Prereq.: three courses in geology and consent of instructor. Staff.

GERMAN AND RUSSIAN

ASSOCIATE PROFESSOR GAUERKE (ACTING CHAIRMAN); PROFESSOR SIMA; ASSOCIATE PROFESSOR MORRIS; ASSISTANT PROFESSORS ALSSEN,** SHLLAKU; INSTRUCTORS ERHARDT, GABOR, HARTMAN; VISITING LECTURER PELLISCHEK-WILSDORF.

Courses are offered in German and Russian for the beginning and advanced student. Generally, one year of high school study of a language is equivalent to one semester of college work. Proficiency examinations may be given for advanced placement if the circumstances warrant it. Credit toward graduation will not be allowed for 101, 102, 201, 202, when the equivalent credit has been accepted from high school as part of the admission credits. Placement of entering freshmen who have taken one year or more of German or Russian in high school will be determined by a proficiency examination. No credit toward graduation is allowed for less than one year in beginning German or Russian.

COURSES IN GERMAN

101.* **ELEMENTARY GERMAN.** 3; I, II. Beginning oral-aural study of the language, with attention to grammar and reading. Three class periods and scheduled oral practice each week. Staff.

‡Departments of Biology, Geography and Geology.

**On leave 1966-67.

102.* **ELEMENTARY GERMAN. 3; II.** Continuation of German 101. Three class periods and scheduled oral practice each week. Prereq.: German 101 or one year of German in high school or equivalent. Staff.

201.* **INTERMEDIATE GERMAN. 3; I.** Three class periods each week. Oral practice in the language laboratory may be assigned if necessary. Prereq.: German 102 or two years of high school German or equivalent. Staff.

202.* **INTERMEDIATE GERMAN. 3; II.** Three class periods each week. Oral practice in the language laboratory may be assigned if necessary. Prereq.: German 201 or three years of high school German or equivalent. Staff.

313.* **INTRODUCTION TO GERMAN LITERATURE. 3; I.** A survey of the major periods and movements in German literature. Prereq.: German 202 or equivalent. Staff.

314.* **COMPOSITION AND CONVERSATION. 3; II.** Extensive practice in the use of spoken and written German. May be repeated to 6 hours. Prereq.: German 202 or equivalent. Staff.

315.* **READINGS IN GERMAN CULTURE. 3; I or II.** The language, syntax, and topics of scientific German, as in the fields of the natural sciences, the social sciences and the humanities. Prereq.: German 202 or equivalent. Staff.

407.* **THE CLASSICAL AGE OF GERMAN LITERATURE. 3; I;** offered in 1967-68 and in alternate years. A study of selected works of the classical period. Prereq. or parallel: German 313. Staff.

409.* **GERMAN ROMANTICISM. 3; I;** offered in 1968-69 and in alternate years. A study of selected works of the Romantic period. Prereq. or parallel: German 313. Staff.

410.* **GERMAN REALISM. 3; I or II;** offered in 1968-69 and in alternate years. A study of selected works of Realism. Prereq.: German 313. Staff.

412.* **CONTEMPORARY GERMAN LITERATURE. 3; II;** offered in 1967-68 and in alternate years. A study of selected works of 20th century writers. Prereq.: German 313. Staff.

480.* **SELECTED READINGS IN GERMAN LITERATURE. 3; II.** Course contents will be chosen to meet the needs of the students enrolled. May be repeated to 6 hours. Prereq.: German 313. Staff.

COURSES IN RUSSIAN

101.* **ELEMENTARY RUSSIAN. 3; I, II.** A first-year course designed to help the student develop the ability to understand, speak, read, and write the language. Three class periods and scheduled oral practice each week. Staff.

102.* **ELEMENTARY RUSSIAN. 3; II.** A continuation of Russian 101. Three class periods and scheduled oral practice each week. Prereq.: Russian 101 or equivalent. Staff.

201.* **INTERMEDIATE RUSSIAN. 3; I.** Oral practice; selected cultural readings. Three class periods and scheduled oral practice each week. Prereq.: Russian 102 or equivalent. Staff.

202.* **INTERMEDIATE RUSSIAN. 3; II.** Continuation of Russian 201. Three class periods and scheduled oral practice each week. Prereq.: Russian 201 or equivalent. Staff.

313.* **SURVEY OF RUSSIAN LITERATURE I. 3; I.** Pushkin, Lermontov, Gogol. Prereq.: Russian 202 or equivalent. Staff.

314.* **SURVEY OF RUSSIAN LITERATURE II. 3; II.** Turgenyev, Tolstoy, Dostoevski, Chekhov. Prereq.: Russian 202 or equivalent. Staff.

315.* READINGS IN RUSSIAN CULTURE. 3; I or II. The language, syntax, and topics of academic and literary Russia as in the fields of the natural sciences, the social sciences, and the humanities. Prereq.: Russian 202 or equivalent. Staff.

480.* SELECTED READINGS IN RUSSIAN LITERATURE. 3; I or II. Course contents will be chosen to meet the needs of the students enrolled. May be repeated to 6 hours. Staff.

GUIDANCE AND COUNSELING

111. READING IMPROVEMENT. 2;† I, II. Principles underlying efficient reading applied in daily practice; designed to improve skills involved in comprehension, vocabulary, study techniques, and rate of purposeful reading on the college level. Laboratory fee, \$25. Staff.

121. SPEECH CLINIC. 2;† I, II. Students having speech or hearing problems requiring individual remedial treatment are urged to take advantage of the services offered by the Speech Clinic. Fee, \$10. Staff.

122. SPEECH IMPROVEMENT. 2;† I, II. A clinical course open to students who have minor speech problems and who are interested in personal speech improvement. Fee, \$10. Staff.

HEALTH AND PHYSICAL EDUCATION

PROFESSOR COOPER (CHAIRMAN). MEN-PROFESSORS COOPER (DIRECTOR), COFFEY, KEEFE, D. PERRY; ASSOCIATE PROFESSORS BELLARD, CREASON, SAWDY,‡ R. H. WHITTAKER; ASSISTANT PROFESSORS BRODT, COCHRANE, DUDLEY, FITCH,†† GIBSON, D. HERBERT, ODENKIRK, RUEHL, SANDY, SCHOLLER, STUBBS, R. YOUNG; INSTRUCTORS CONIBEAR, KISSELLE, NEHLEN, RICHARDSON, WHITE. WOMEN-PROFESSORS EPLER, (DIRECTOR), HOOLEY, WATT; ASSOCIATE PROFESSORS I. ANDREWS, KRATZ, TORGERSON, WHITNEY; ASSISTANT PROFESSOR LUEDTKE; INSTRUCTORS BLACK, BOUSSOULAS, J. CAMPBELL, HESKETT, LYKE,** MOTTER, J. PARKS, PETERSON, SIDWELL, TEMPLE; ASSISTANT INSTRUCTOR FAULKNER.

COURSES FOR MEN AND WOMEN

109.* HEALTH EDUCATION. 3; I, II. A basic course in health education, including personal and community health. Staff.

123.* CAMP LEADERSHIP. 2; I, II. Designed for students interested in summer camp work; types of camps; principles and practices of program planning. Miss Andrews.

204.* COMMUNITY RECREATION. 2; I, II. Materials, methods, and techniques for use in community and adult recreational activities. Three hours a week. Miss Andrews.

224. DANCE WORKSHOP. 1; I, II. Offers opportunity for experience in choreography and for participation as a member of a concert group. Two hours a week. May be repeated to 4 hours. Prereq.: consent of instructor. Mrs. Heskett.

301.* ORGANIZATION AND ADMINISTRATION OF RECREATION. 2; I; offered in 1967-68 and in alternate years. Survey of the professional field of community recreation; history of agencies planning recreation programs. Miss Hooley.

†Credit entered on student's permanent record, but not applied to meeting the total of 124 hours of credit for graduation.

**On leave 1966-67.

‡Deceased March 9, 1967.

††March 1967.

312. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. 3; I, II. Organization and administration of the total physical education program, including intramurals, extramurals, and interscholastic athletics. Prereq.: senior standing. Staff.
313. FIRST AID, SAFETY, PREVENTION AND CARE OF INJURIES. 3; I, II. Emphasis on prevention; consideration of case aspects of pupil injuries. Satisfactory completion leads to Red Cross Certificate in First Aid. Three hours a week. Staff.
314. FIRST AID (INSTRUCTOR'S COURSE). 1; II. Leads to American Red Cross First Aid Instructor's Certificate. Prereq.: junior standing, current Red Cross Standard and Advanced Certificates. Miss Hooley, Mr. Stubbs.
322. RED CROSS WATER SAFETY INSTRUCTIONS COURSE (WSI). 2; II. Completion certifies the student to conduct and certify Red Cross swimming and life saving courses, except (WSI). Prereq.: Senior Life Saving Certificate; evidence of teaching need; consent of instructors. Miss Andrews, Mr. Stubbs.
- 323.* CAMP ADMINISTRATION. 2; II; offered in 1968-69 and in alternate years. Consideration of budgets, equipment, campsites, program, personnel. Designed for those preparing for camp administrative positions. Prereq.: HPE 123 or camp counseling experience. Miss Hooley.
- 326.* DANCE DRAMA. 2; offered on demand. Problems in dramatic dance production, composing, casting, directing, costuming, lighting, makeup, publicity; practice in production of dance program. Four hours a week. Prereq.: consent of instructor. Miss Whitney.
342. PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOLS. 2; I, II. For the classroom teacher. Principles, objectives, curriculum, instructional and resource materials. Not open to the student who has credit for HPE 354. Staff.
346. METHODS IN HEALTH EDUCATION. 2; II. Problems of teaching health in the elementary grades. Prereq.: HPE 109. Mrs. Black and staff.
352. PRINCIPLES AND PRACTICES OF PHYSICAL EDUCATION IN THE SECONDARY SCHOOLS. 3; I, II. Principles, objectives, curriculum, and methods of teaching physical education in the secondary schools. Two lectures and two laboratory hours a week. Prereq.: junior standing or consent of instructor. Staff.
354. PRINCIPLES AND PRACTICES OF PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOLS. 3; I, II. Principles, objectives, curriculum, and methods of teaching physical education in the elementary schools. History of physical education. Prereq.: junior standing or consent of instructor. Mr. Keefe, Mrs. Torgerson.
362. DRIVER EDUCATION (INSTRUCTOR'S COURSE). 2; I, II. To qualify the teacher to organize, administer, and teach courses in driver education. Prereq.: junior standing, driver's license. Not open to the elementary education major. Mr. Ballard, Mr. Herbert.
409. HEALTH EDUCATION IN THE SCHOOL AND IN THE COMMUNITY. 3; I, II. A study of school and community health problems. Principles, objectives, curriculum, and methods. Mr. Cooper, Miss Hooley, Mr. Keefe.
- 424.* HISTORY OF DANCE. 2; I; offered in 1968-69 and in alternate years. Broad, cultural survey of dance from primitive times through 1650 stressing its relationship to the development of other art forms. Two lecture hours a week. Miss Whitney.
431. PROBLEMS OF INTRAMURAL AND EXTRAMURAL SPORTS. 2; II. Planning, promoting, and administering intramural and extramural sports. Miss Luedtke, Mr. Sandy.

COURSES FOR MEN

101-102.* GENERAL PHYSICAL EDUCATION. 1 each semester; I, II. Required of all freshman men. Students select units each nine weeks from an offering of 15-20 activities such as golf, tennis, swimming, handball, etc. Two hours a week. Staff.

105. ELEMENTARY SPORT SKILLS. 2; I. Folk, square, and ballroom dancing; tumbling, soccer, and speedball. Includes a unit on orientation to professional physical education. Three hours a week. Staff.

106. ELEMENTARY SPORT SKILLS. 2; II. Wrestling, gymnastics, and lacrosse. Three hours a week. Staff.

201-202.* GENERAL PHYSICAL EDUCATION. 1 each semester; I, II. Required of all sophomores not taking ROTC. A continuation of HPE 101-102. Two hours a week. Staff.

229. SPORT SKILLS—FOOTBALL. 1; II. Study and practice of the fundamentals of football. Three hours a week, second eight weeks, second semester. Mr. Dudley, Mr. Nehlen, Mr. Ruehl.

230. SPORT SKILLS—TRACK. 1; I. The study and practice of the fundamentals of track. Three hours a week for first eight weeks of first semester. Mr. Brodt, Mr. Whittaker.

231. SPORT SKILLS—BASKETBALL. 1; I. The study and practice of the fundamentals of basketball. Three hours a week for second eight weeks of first semester. Mr. Conibear, Mr. Scholler.

232. SPORT SKILLS—BASEBALL. 1; II. The study and practice of the fundamentals of baseball. Three hours a week for first eight weeks of second semester. Mr. Dudley, Mr. Young.

302. CORRECTIVES—MEN. 2; I, II. Examination for, prevention and correction of postural and orthopedic defects by exercise, massage, and good hygiene. Prereq.: junior standing or consent of instructor. Mr. Coffey.

315. ADVANCED SPORT SKILLS. 2; I. Tennis and volleyball. Three hours a week. Mr. Creason, Mr. Keefe, Mr. Odenkirk.

316. ADVANCED SPORT SKILLS. 2; II. Badminton and golf. Three hours a week. Mr. Creason, Mr. Keefe, Mr. Odenkirk.

320. OFFICIATING—FOOTBALL AND BASKETBALL. 1; I. Mr. Odenkirk.

321. OFFICIATING—TRACK AND BASEBALL. 1; II. Mr. Odenkirk.

325. ADVANCED APPARATUS AND TUMBLING. 1; I. Practice on mats and heavy apparatus; organization of demonstration material. Two hours a week. Mr. White.

329. COACHING—FOOTBALL. 2; I. Strategy, generalship, and methods in coaching football. Two hours a week. Mr. Gibson.

330. COACHING—TRACK. 2; II. Strategy, generalship, and methods in coaching track. Two hours a week. Mr. Brodt.

331. COACHING—BASKETBALL. 2; I. Strategy, generalship, and methods in coaching basketball. Two hours a week. Mr. Scholler.

332. COACHING—BASEBALL. 2; II. Strategy, generalship, and methods in coaching baseball. Two hours a week. Mr. Young.

COURSES FOR WOMEN

- 101-102.* GENERAL PHYSICAL EDUCATION. 1 each semester; I, II. Required of all freshman women. Specified units in orientation to physical education, dance, swimming, and an individual or a team sport; remaining units in elected physical education activities. An activity may be elected only twice. Staff.
- 201-202.* GENERAL PHYSICAL EDUCATION. 1 each semester; I, II. Required of all sophomores. HPE 101-102 Cont'd. Two hours a week. Staff.
- 113.* FOLK, SQUARE, AND BALLROOM DANCING. 2; I. Introduction to the technique of folk, square, and ballroom dancing. Three hours a week. Mrs. Black, Miss Whitney.
114. THEORY AND PRACTICE. 2; II. Theory and practice in golf, track and field, gymnastics, including tumbling and trampoline. Four hours a week. Miss Watt, staff.
210. COACHING AND OFFICIATING. 3; I, II. Methods of teaching team sports, theory and practice in coaching and officiating in field hockey, volleyball, and basketball. Five hours a week. Prereq.: knowledge and skill demonstrated at Bowling Green in volleyball, basketball, and either field hockey or soccer. Miss Luedtke, Miss Watt.
212. THEORY AND PRACTICE. 2; II. Theory and practice in tennis, marching, badminton, and cheerleading. Prereq.: knowledge and skill in tennis. Four hours a week. Miss Hooley.
- 213.* MODERN DANCE. 3; II. Basic dance movements, beginning and intermediate technique; analysis of rhythmic elements in movement and application to dance; relation of music; elementary factors of composition, development of simple dance studies. Five hours a week. Miss Whitney.
214. AQUATICS. 2; I, II. Skills, methods, and materials in strokes, synchronized swimming, meets, speed swimming, diving, and life saving and/or water safety. Prereq.: skill in basic swimming strokes. Four hours a week. Miss Andrews.
- 222.* SYNCHRONIZED SWIMMING. 1; I, II. Pageantry, demonstrations, synchronized swimming, stunts and skills. Two hours a week; no credit received freshman year. May be repeated to 4 hours. Prereq.: consent of instructor. Miss Andrews.
302. KINESIOLOGY AND CORRECTIVES. 3; I, II. Theory and practice of human movement, both typical and atypical. Examination, prevention, and correction of physical defects through exercise and postural therapy. Prereq.: Biol. 205 and 206. Miss Hooley, Miss Kratz, Miss Whitney.
308. ADVANCED THEORY AND PRACTICE. 2; I, II. Participation and assisting in teaching and officiating University classes. Four hours a week. Prereq.: HPE 210, 352. Miss Eppler.
324. METHODS IN TEACHING DANCE. 2; I, II. Methods and materials in teaching folk, square, and ballroom dance. Four hours a week. Prereq.: HPE 113. Miss Whitney.

HISTORY

PROFESSORS GIVENS (CHAIRMAN), OGLEVEE, G. PLATT, V. PLATT, TWYMAN; ASSOCIATE PROFESSORS GRAHAM, ROCK; ASSISTANT PROFESSORS CLUBB,** DANZIGER, HESS, M. MOORE, RAMSDALL,** ROLLER, ROWNEY, SKAGGS, J. THOMAS; INSTRUCTORS CHEN, DALY, DECOLA, FORSE, GALBREATH, MAROUKIS,† RODECHKO, SEAVOY, SHEPARDSON.

151.* WORLD CIVILIZATION, TO 1500. 3; I, II. A broad cultural survey of the ancient Near Eastern and Eastern civilizations; Greece and Rome; medieval life and institutions; the Renaissance; Asian civilization to 1500. A general introduction to the study of history; should be followed by Hist. 152, 153. Staff.

152.* WORLD CIVILIZATION: 1500 TO 1815. 3; I, II. Hist. 151 cont'd. Reformation; Age of Reason; commercial and industrial revolutions; Asian civilization, 16th-19th century; English and French revolutions. Staff.

153.* WORLD CIVILIZATION: 1815 TO THE PRESENT. 3; I, II. Hist. 152 cont'd. Liberalism and nationalism; imperialism and world conflict; 19th and 20th century science and culture; the world in the present age. Staff.

204.* ECONOMIC HISTORY. 3; I, II. Survey of American economic institutions stressing developments since the Civil War. Agriculture, transportation, rise of corporations and labor unions, and role of government in the economy. Credit not given for both Hist. 204 and 206. Mr. Moore.

205.* HISTORY OF THE U. S., TO 1865. 3; I, II. A survey of the political, constitutional, economic, and cultural development of the U. S. from its early settlement to the close of the Civil War. Staff.

206.* HISTORY OF THE U. S. 1865-PRESENT. 3; I, II. Hist. 205 cont'd. Surveys the reconstruction period, growth of American industry; agricultural problems, progressive movement, World War I, postwar economic problems, New Deal, World War II and aftermath. Credit not given for both Hist. 204 and 206. Staff.

306.* HISTORY OF OHIO. 3; I. Pre-colonial background, early exploration and settlement, Northwest Territory, Ohio in the French and Indian War, American Revolution and War of 1812; Ohio's place in national development. Prereq.: Hist. 205, and 204 or 206 or consent of instructor. Mr. Danziger.

321.* THE AMERICAN SOUTH, 1865-PRESENT. 3; I. The reconstruction South; new industrial growth; evolution of Southern agriculture; racial and labor problems; the South in American political life; southern education and culture; the South today. Prereq.: Hist. 204 or 206 or consent of instructor. Mr. Roller.

322.* THE WESTWARD MOVEMENT IN AMERICA. 3; II. Territorial and economic expansion of the U.S. Emphasis on economic, political, social development of the trans-Mississippi frontier, including fur trade, mining, and land policies. Prereq.: Hist. 205, and 204 or 206 or consent of instructor. Mr. Danziger.

323.* AMERICAN CONSTITUTIONAL HISTORY. 3; I. Colonial origins and background of the Constitution, evolution of separation of powers and the Bill of Rights, and development of nationalism vs. states' rights to 1860. Prereq.: Hist. 205 or Pol. Sci. 201, or consent of instructor. Mr. Seavoy.

324.* AMERICAN CONSTITUTIONAL HISTORY. 3; II. Hist. 323 cont'd. Constitutional problems of the Civil War and Reconstruction; emergence of the Supreme Court as final arbiter in constitutional interpretation. Emphasis on problems deal-

**On leave 1966-67.

†On leave first semester 1966-67.

ing with civil rights, interstate commerce, industrialization. Prereq.: Hist. 206 or Pol. Sci. 202, or consent of instructor. Mr. Seavoy.

331.* **LATIN AMERICA: THE PERIOD BEFORE INDEPENDENCE.** 3; I. Latin American history treating these phases: Pre-Columbian; Discovery and Conquest; Colonial; Wars of Independence. Attention given the role of indigenous and European cultures in the development of Latin America. Mr. Thomas.

332.* **LATIN AMERICA: THE TWENTY REPUBLICS.** 3; II. National histories of the Latin American republics are traced. Emphasis on the common and unique features of these states, and relations between the U. S. and Latin America, development of the Pan-American movement, and role of Latin America in world affairs. Mr. Thomas.

341.* **THE ANCIENT NEAR EAST AND GREECE.** 3; I. History and culture of the major civilizations of the ancient Orient and of Hellenism from its Mycenaean origins to its collapse under Alexander. Emphasis on cultural dynamics of 5th-century Athens. Prereq.: Hist. 151 or consent of instructor. Mr. Daly.

342.* **ROMAN HISTORY TO 476 A.D.** 3; II. Rome from its origins to its collapse. Emphasis on permanent contributions to Western culture; comparisons between Roman and modern worlds. Prereq.: Hist. 151 or consent of instructor. Mr. Daly.

351.* **ENGLAND, 55 B.C.-1688.** 3; I. Roman Britain; Anglo-Saxon period; Norman feudalism; growth of the common law; evolution of Parliament; Protestant Revolt; overseas expansion. Mr. Givens.

352.* **GREAT BRITAIN, 1688—PRESENT.** 3; II. Industrial and agricultural changes; struggle with revolutionary France; Victorian England; political and economic reform; two World Wars and their consequences. Mr. Givens.

353.* **EUROPE FROM 1870 TO 1919.** 3; I. Emphasizes domestic history of the European Great Powers; such European-wide movements as nationalism, socialism, militarism, colonialism; attention given to intellectual and artistic trends; background of World War I. Mr. Platt.

354.* **EUROPE FROM 1919 TO PRESENT.** 3; II. Hist. 353 cont'd. Paris Peace Settlement; post-war economic problems; emergence of Soviet Russia, Fascist Italy, and National Socialist Germany; origins and aftermath of World War II; the "cold war." Mr. Platt.

357.* **MEDIEVAL AND IMPERIAL RUSSIA, 900-1825.** 3; I. Racial, political, and religious origins; development of the autocracy; national and imperial problems to the death of Alexander I. Mr. Rowney.

358.* **MODERN RUSSIA, 1825-1945.** 3; II. Traces revolutionary origins; Russia's social, economic, and political position in the 19th and 20th centuries. Mr. Rowney.

359.* **BRITISH EMPIRE-COMMONWEALTH.** 3; I. Rationale of imperialism; expansion of Britain overseas; development of her colonial holdings; evolution of the concept and reality of the Commonwealth of Nations. Mr. Givens.

361.* **ASIAN CIVILIZATIONS.** 3; I. Development of institutions and cultures of East and South Asia from ancient times to the beginning of Western impact. Emphasis on traditional civilizations of India, China, Japan. Staff.

411.* **MODERN MEXICO.** 3; I. Historical analysis of the first Latin American state to experience a political, social, and economic revolution in the 20th century. Explores causes of the revolution, leaders and institutions it produced, emergence of Mexico as a relatively stable and progressive state. Mr. Thomas.

414.* CANADA. 3; II. European colonial rivalry; problems of European settled colonies; emergence of colonial self-government; confederation movement; search for national identity; nature of a commonwealth nation; role as a mediator in Anglo-American relations; importance as an independent neighbor. Mr. Givens.

421.* AMERICAN COLONIAL HISTORY, 1492-1763. 3; I. European backgrounds of American history; the establishment of European settlements and institutions; the emergence of colonial culture; the conflict between France and England for the New World. Mrs. Platt.

422.* AMERICAN REVOLUTIONARY ERA, 1763-1789. 3; II. Increasing antagonism between the colonies and Britain; the Revolution; period of the Confederation and the framing of the Constitution. Prereq.: Hist. 205 or consent of instructor. Mrs. Platt.

423.* THE NEW NATION: THE U. S. FROM 1789-1836. 3; II. Federalist, Jeffersonian and Jacksonian politics and ideology; rise of Nationalism; War of 1812. Prereq.: Hist. 205 or consent of instructor. Mr. Skaggs.

425.* CONFLICT AND DIVISION IN THE U. S. 3; I. Analysis of economic, social, political institutions, 1836-1860; attention to Old South and forces that produced the Civil War. Prereq.: Hist. 205 or consent of the instructor. Mr. Twyman.

426.* CIVIL WAR AND RECONSTRUCTION, 1861-1877. 3; II. Political, economic, and cultural conditions during the War and the resulting problems to the peoples and governments of both sections continuing through the postwar period. Prereq.: Hist. 205, and 204 or 206 or consent of instructor. Mr. Twyman.

428.* EMERGENCE OF MODERN AMERICA, 1877-1900. 3; II. Transformation of the U. S. from an isolated, agrarian nation into a modern, industrialized world power, and attendant economic, social, cultural, and political problems. Prereq.: Hist. 204 or 206 or consent of instructor. Mr. Moore.

429.* PROGRESSIVE ERA AND YEARS OF REPUBLICAN ASCENDANCY, 1900-1933. 3; I. American political, economic progressivism; the "Great Crusade" of World War I; "normalcy" and the business society of the Twenties; the Great Crash and early depression years; intellectual, cultural, social change of the "Roaring Twenties." Prereq.: Hist. 204 or 206 or consent of instructor. Mr. Roller.

430.* RECENT U.S. HISTORY. 3; I. Survey of U.S. history from 1933-present: the New Deal, World War II, and the postwar era. Prereq.: Hist. 204 or 206 or consent of instructor. Mr. Clubb.

431.* DIPLOMATIC HISTORY OF THE U. S. TO 1917. 3; I. Development of U. S. foreign policy and diplomatic activities, American Revolution—U. S. entry into World War I. Prereq.: Hist. 206 or consent of instructor. Mr. Hess.

432.* DIPLOMATIC HISTORY OF THE U. S. SINCE 1917. 3; II. The course and character of the American response to its position as a world power since 1917. World War I; the interwar compromise; the U. S. in World War II and in the "cold war." Prereq.: same as for History 431. Mr. Hess.

435.* EARLY AMERICAN SOCIAL AND INTELLECTUAL HISTORY. 3; I. Major trends in American thought, social structure, religion, culture, manners, and customs, Colonial times-mid-19th century. Prereq.: Hist. 205 or English 303 or consent of instructor. Mr. Skaggs.

436.* RECENT AMERICAN SOCIAL AND INTELLECTUAL HISTORY. 3; II. Hist. 435 cont'd. to present. Emphasis on impact of industrialization, and world involvement on the thought and society of the nation. Mr. Clubb.

445.* MEDIEVAL CIVILIZATION, 476-1500. 3; I. Analysis of European institutions and cultural developments, fall of Rome-beginning of the modern period. Mr. Forse.

446.* RENAISSANCE AND REFORMATION, 1300-1648. 3; II. The revival of individuality and the reassertion of humanistic intellectual currents as expressed in political, economic, religious, and cultural trends of the time. Mr. Oglevee.

447.* EUROPEAN INTELLECTUAL HISTORY: FROM THE SCIENTIFIC REVOLUTION TO ROMANTICISM. 3; I. Science, rationalism, and skepticism from Copernicus to the Enlightenment. Intensive analysis of Romanticism to 1840. Prereq.: Phil. 201, or 300-level work in English, or consent of instructor. Mr. Galbreath.

448.* EUROPEAN INTELLECTUAL HISTORY: FROM REALISM TO THE PRESENT. 3; II. Realism, Marxism, Darwinism, Biblical criticism, Neo-Romanticism, Modernism in art and literature, psychoanalysis, Existentialism, and the intellectual origins of Fascism. Prereq.: same as for Hist. 447. Mr. Galbreath.

453.* FRENCH REVOLUTION AND NAPOLEON. 3; I. Impact of the French Revolution on the society of the Old Regime. Formation of the revolutionary creed; Great Revolution, Jacobin republic, Thermidor; Napoleon and the principles of 1789. Prereq.: Hist. 152 or consent of instructor. Mr. Graham.

454.* HISTORY OF FRANCE SINCE 1815. 3; II. Social and economic development of France, 1815-Third Republic; Jacobin radicalism, emergence of the French labor movement; France between the two wars; Vichy and the Resistance; problems of the Fourth and Fifth Republics. Prereq.: same as for Hist. 453. Mr. Graham.

455.* GERMANY AND CENTRAL EUROPE, 1648-1918. 3; I. Growth of Prussia, impact of the French Revolution, Austro-Prussian rivalry in central Europe, Bismarckian Empire and its collapse in 1918. Major expressions of Germanic intellect and culture during this period. Prereq.: Hist. 152 or consent of instructor. Mr. Platt.

456.* GERMANY AND CENTRAL EUROPE, 1918-PRESENT. 3; II. The Weimar Republic, National Socialist period, postwar reconstruction, Germany split in the "cold war," Germany in the restabilized European community since 1955. Prereq.: Hist. 152 or consent of instructor. Mr. Platt.

457.* EUROPEAN DIPLOMATIC HISTORY, 19TH CENTURY-1914. 3; I. European foreign relations and diplomatic practices stressing policies and actions of the great powers and their statesmen. Prereq.: Hist. 152 or consent of instructor. Mr. Rock.

458.* EUROPEAN DIPLOMATIC HISTORY, 20TH CENTURY. 3; II. Hist. 457 cont'd. Europe's diplomatic role in a rapidly changing world. Prereq.: Hist. 152 or consent of instructor. Mr. Rock.

463.* MODERN CHINA. 3; I. Chinese response to the West in the 19th and 20th centuries, covering events from the first Treaty Settlement until the present. Emphasis on social and economic change. Mr. Ramsdell.

464.* MODERN JAPAN. 3; II. Japan since its opening to Western intercourse in 1853. Emphasis on modernization process with concomitant political, social, economic, intellectual changes. Mr. Ramsdell.

- 466.* SOUTH ASIA IN THE 19TH AND 20TH CENTURIES. 3; II. India under British rule, analyzing the character of British administration; rise of nationalism; independence, and recent history of India, Pakistan, and Ceylon. Staff.
- 471.* NORTH AFRICA AND THE MIDDLE EAST. 3; I. Survey of pre-Islamic Arabia; rise of Islam and rise and fall of Islamic states; extension of European influence; development of nationalism. Emphasis on political, cultural, and religious achievements of Islamic civilization. Mr. Maroukis.
- 472.* SUB-SAHARAN AFRICA. 3; II. Pre-historic times-20th century. Growth of African states and empires; cultural development of African peoples; impact of Islamic and European culture; imperialism; colonialism; nationalism. Mr. Maroukis.
- 490.* SEMINAR IN HISTORY. 3; I, II. Problems selected from the fields of interest of the members of the class giving opportunity for individual research. Prereq.: consent of instructor and chairman of department. Staff.

HOME ECONOMICS

PROFESSOR HALSTEAD (CHAIRMAN); ASSOCIATE PROFESSORS CALAWAY, KAINSKI, L. KIVLIN, WALL; ASSISTANT PROFESSORS GLENN, LANE, STEPHENS, WILSON; INSTRUCTORS B. BENNETT, J. LEIBFREID, I. SKINNER, D. WILLIAMS; PART-TIME INSTRUCTOR V. HAMRE;‡ ASSISTANT INSTRUCTOR VAN LIEU.

- 101.* CLOTHING. 3; I, II. Study of sewing equipment, values and interests in the clothing field; care and repair of garments; basic processes, garment construction and fitting; considerations of children's clothing, consumer buying, management of time, and methods of work. Staff.
- 103.* TEXTILES. 3; I, II. Basic facts concerning fibers, yarns, and cloth construction; finishes; color and design; production costs; wearing qualities. Selection, buying, and care of fabrics for personal and household uses. Two one-hour periods and one two-hour period a week. Mrs. Leibfreid.
- 104.* COSTUME DESIGN AND SELECTION. 2; I, II. Principles of design and application to selection of costume; design and choice of costumes for different types of individuals; wardrobe planning; fashion and the fashion world. Mrs. Wilson.
- 105.* PERSONAL AND FAMILY RELATIONSHIPS. 3; I, II. Growth and development of the college student as an individual and in social relationships in the family, college and community; activities and functions of the present-day family. Staff.
- 201.* FOODS. 3; I. The functions and properties of foodstuffs; principles and practice in food preparation; meal planning, preparation, and service. One one-hour period and two two-hour periods a week. Staff.
- 202.* FOODS. 3; II. Home Ec. 201 cont'd. Prereq.: Home Ec. 201. Staff.
- 203.* ADVANCED CLOTHING. 2; I. Application of principles of costume design to flat pattern designing; development of techniques in use of wool and wool blends; advance study of commercial patterns and application to figure problems. Two two-hour periods a week. Material for garments furnished by students. Prereq.: Home Ec. 101, 104. Staff.
- 204.* ADVANCED CLOTHING. 2; II. A continuation of Home Ec. 203. Fitting of commercial patterns from foundation patterns; techniques of draping; use of silk and synthetic materials; consumer problems in clothing the individual and family. Prereq.: Home Ec. 203. Staff.

‡First semester 1966-67.

- 205.* HOME MANAGEMENT. 3; I, II. The effect of values and philosophy on decisions regarding the use of family resources; time, energy, knowledge, ability, skills and attitudes, as they are used to achieve family goals. Principles of work simplification, history of discipline, and evaluation in home management. Staff.
- 207.* ESSENTIALS OF NUTRITION. 3; II. A non-technical course. Application of fundamental principles of nutrition in the selection of adequate diet for optimal health. Not open to home economics education majors. Staff.
- 224.* PERSONAL CLOTHING. 3; I, II. The choice, construction, and care of fabrics and clothing for one's personal use. Fabrics, design, color, care, selection, and wardrobe planning are studied, and three garments are constructed. Staff.
- 225.* MEAL SERVICE. 3; I, II. A non-technical course in food preparation and meal service. One one-hour and two two-hour periods a week. Staff.
- 303.* HOUSE FURNISHING. 3; I, II. Principles of design and their application to the proper treatment of interiors; selection of furniture, furnishings, and accessories of the home from the artistic, economic, and maintenance point of view. Staff.
- 304.* TAILORING. 2; I, II. Specialized techniques of professional tailoring through the construction of a suit or coat. Review of recent developments in clothing and textiles. Two two-hour periods a week. Material for garments furnished by students. Prereq.: Home Ec. 204. Mrs. Wall.
- 306.* HOUSING AND HOME EQUIPMENT. 3; I, II. Housing as related to varying family living patterns including study of house structure and site, government's role in housing, house purchase, finance and selection, use and maintenance of equipment; safety and precautionary measures. Miss Calaway.
- 307.* NUTRITION. 3; I. Principles of nutrition with applications to the planning of dietaries for individuals under different conditions. Two one-hour periods and one two-hour period a week. Prereq.: Biol. 206; Chem. 112; Home Ec. 202. Mrs. Kainski.
- 308.* ADVANCED FOODS. 3; II. A study of food selection and preparation from the standpoint of quality, cost; problems in buying and meal service at various cost levels; demonstrations by each student. One one-hour period and two two-hour periods a week. Prereq.: Home Ec. 202. Miss Stephens.
- 310.* HISTORY OF COSTUME. 2; I. History and development of costume from Egyptian times to the present, with emphasis on its relation to modern costume. Mrs. Glenn.
- 311.* HOUSE RESIDENCE. 3; I, II. Residence in the home management house is required of all home economics students who are preparing to teach vocational home economics. Fee is \$25, plus the cost of food and other supplies. Prereq.: Home Ec. 202. Miss Van Lieu.
- 321.* CHILD DEVELOPMENT. 3; I, II. Growth and development of the young child, prenatal period-six years. Includes observation and work with preschool children. Two one-hour periods and one two-hour period a week. Mrs. Williams.
- 322.* CHILD DEVELOPMENT. 3; I, II. Continuation of Home Ec. 321. Observation and participation in the nursery school. Two one-hour periods and one two-hour period a week. Prereq.: Home Ec. 321 or Educ. 242, and consent of instructor. Miss Lane.
352. HOME ECONOMICS IN SECONDARY SCHOOLS. 3; I. Principles, objectives, curriculum, instructional and resource materials, and methods in home economics. Prereq.: junior standing. Miss Halstead.
- 405.* FAMILY ECONOMICS. 3; I, II. Study of the economic problems of families with varying patterns of living, income and goals. Exploration, interpreta-

tion, and application of research to family situations. Not open to students with credit for Bus. Ed. 240. Mrs. Kivlin.

407.* PROBLEMS IN FAMILY RELATIONSHIPS. 3; I, II. Study and research of the structure, functions and problems of present day families in the United States from the pragmatic viewpoint. Prereq.: Home Ec. 105. Mrs. Kivlin.

410.* STUDIES IN HOME ECONOMICS. 3; II. Integrative study which examines areas of home economics with emphasis on recent developments. Miss Halstead.

HONORS

101.* HONORS SEMINAR. 3; I, II. An interdepartmental seminar offered on various topics. Prereq.: standing in the University Honors Program. May be repeated to 12 hours. Staff.

INDUSTRIAL ARTS AND ENGINEERING DRAWING

ASSOCIATE PROFESSOR R. AUSTIN (ACTING CHAIRMAN); PROFESSOR HILL; ASSISTANT PROFESSORS G. HORTON, INNIS, MINER, NELSON, REPP; INSTRUCTORS BACH, BORTZ, GEDEON, PENDLETON.

COURSES IN ENGINEERING DRAWING

101.* ENGINEERING GRAPHICS. 3; I, II. Introduction of graphic communication and problem-solving methods; isometric and oblique pictorial drawing and sketching, orthographic projection including single auxiliary, simple developments, sections, and dimensioning. Mr. Bergmann, Mr. Innis, Mr. Nelson.

102.* ENGINEERING GRAPHICS. 3; I, II. Orthographic projection including secondary auxiliary views, advanced surface developments and intersections; dimensioning limits and tolerances; introduction of graphic solution of engineering problems, preparation of necessary drawing for manufacture of production problem. Mr. Innis, Mr. Nelson.

103.* ENGINEERING GRAPHICS. 3; II. Graphic presentation and solution of engineering problems; use of coordinates in two and three dimensional applications; application of orthographic theory in reference to space relationship of lines, surfaces, forces, motion; graphic mathematics. Mr. Nelson.

301.* ARCHITECTURAL DRAWING. 3; II. A study of architectural designs and construction; the development and use of elevation, plan, detail, and perspective drawings in planning and designing modern domestic, business, or industrial buildings. Mr. Nelson.

COURSES IN GRAPHIC ARTS

308. PRINTING. 3; I, II. Elementary typesetting and platen press operation; proofreading; paper cutting; folding, padding, perforation, and bindery operation; layout; design, duplicating techniques. Three two-hour laboratory periods a week. Mr. Austin.

309. PRINTING. 3; I, II. Advanced typesetting; operation of offset and automatic platen presses. Offset lithography techniques; copy preparations, negative, stripping, and plate making. Print shop production techniques. Three two-hour laboratory periods a week. Prereq.: Graphic Arts 308. Mr. Austin.

COURSES IN INDUSTRIAL ARTS

103. WOODWORK. 3; I, II. Construction of small projects; hand tool operations and related information; operation of machinery; design; wood finishing. Three two-hour laboratory periods a week. Mr. Miner.

111. MACHINE SHOP. 3; I, II. Bench metalworking; operation of lathes, drill presses, and shapers; precision measuring; elementary heat treating. Three two-hour laboratory periods a week. Mr. Bach, Mr. Repp.
121. SHOP MATHEMATICS. 3; I, II. Problems in practical geometry, algebra, and trigonometry; the study of mathematics as applied in many trades; blueprint reading; the use of precision measuring instruments. Mr. Hill.
203. WOODWORK. 3; I, II. Machine woodworking; advanced woodturning; furniture design and construction; house construction; wood finishing. Three two-hour laboratory periods a week. Prereq.: Ind. Arts 103. Mr. Miner.
211. MACHINE SHOP. 3; I, II. Set-up and operation of engine lathes, shapers, milling machines, horizontal and vertical, turret lathes; surface grinder, surface plate work; precision measuring. Three two-hour laboratory periods a week. Prereq.: Ind. Arts 111. Mr. Bach, Mr. Repp.
221. PATTERN MAKING AND FOUNDRY. 3; I, II. Construction of flat, split, and irregular patterns and core boxes; molding operations; melting and pouring aluminum and bronze; precision moldmaking and casting; core baking and furnace operation. Three two-hour laboratory periods a week. Mr. Miner.
231. SHEET METAL AND PATTERN DRAFTING. 3; I, II. Pattern development of flat, cylindrical, and warped surfaces; layout, cutting, forming, seaming, soldering, and riveting, and resistant welding of sheet metal. Three two-hour laboratory periods a week. Prereq.: Engr. Dr. 101. Staff.
313. HANDICRAFT. 3; I, II. Development of skills, knowledges, and procedures in the use of hand tools and simple machines by working with a wide variety of selected materials in art metalwork, leather, plastics, and woods. Not open to majors in industrial arts. Two three-hour periods a week. Mr. Hill.
347. ELECTRICITY. 3; I, II. Basic electrical theory of generation of direct and alternating currents, characteristics, measurements, circuits and circuit components, and applications. Three two-hour laboratory periods a week. Mr. Gedeon.
348. RADIO ELECTRONICS. 3; II. A study of radio circuits and testing equipment. Project board layout, design of radio circuits, oscillators and amplifiers; instrument operation. Three two-hour laboratory periods a week. Prereq.: Ind. Arts 347. Mr. Gedeon.
352. INDUSTRIAL ARTS IN SECONDARY SCHOOLS. 3; I, II. Principles, objectives, curriculum, instructional and resource materials, and methods in industrial arts. Two lectures and two laboratory hours a week. Prereq.: Psych. 204 and junior standing. Staff.
361. FORGING AND WELDING. 3; II. Oxyacetylene and arc welding; types of joints; welding metallurgy; principles of hand forging, heat treating, and welding. Three two-hour laboratory periods a week. Mr. Innis.
371. ART METAL AND PLASTICS. 3; I, II. Design and construction of projects in copper, aluminum, pewter, silver, plastics, and leather. Two three-hour laboratory periods a week. Mr. Hill.
- 381.* PHOTOGRAPHY. 3; I, II. Study of camera craft, portraiture, pictorial composition, lighting, developing, printing, and enlarging. Three two-hour laboratory periods a week. Mr. Pendleton.
391. AUTO MECHANICS. 3; I, II. A study of the internal combustion engine, instruction in overhauling and testing the engine, carburetor, cooling, manifold, and ignition systems. Three two-hour laboratory periods a week. Prereq.: Ind. Arts 347 or consent of instructor. Mr. Bach.
452. CURRICULUM PLANNING IN INDUSTRIAL EDUCATION. 3; I. Course planning in junior-senior high school industrial arts; types of vocational education.

Development of instruction sheets and use of tests. Staff.

453. LABORATORY PLANNING IN INDUSTRIAL EDUCATION. 3; II. A study of organization and administration of industrial education laboratories in elementary, junior and senior high schools, the instructor, and the use of instructional aids in the classroom. Staff.

454. ADVANCED WOODWORK, MACHINE SHOP, METALCRAFT, OR PHOTOGRAPHY. 3; offered on demand. Advanced laboratory work in wood, machine shop, metalcraft, electronics, or photography along with a study of industrial practices in the field selected. One lecture and five hours of laboratory a week. Prereq.: consent of the department. Staff.

JOURNALISM

PROFESSORS CURRIER (DIRECTOR), DERR; ASSOCIATE PROFESSOR J. CLARK; ASSISTANT PROFESSORS EBERHARD, GORDON; INSTRUCTOR WALLIS; PART-TIME LECTURERS DAY, WALKER.

103.* INTRODUCTION TO MASS COMMUNICATIONS. 3; I, II. Survey of modern journalism, including the newer mass communications media. Role and influence of the press, radio, and television, and related fields of advertising and public relations. Staff.

107.* PICTORIAL REPORTING. 3; I, II. An introductory course stressing the importance of pictures in newspapers, magazines, television, and advertising. Practice in picture taking and darkroom procedures. One lecture and one two-hour laboratory period each week. The student furnishes some materials. Mr. Gordon.

211.* NEWS WRITING AND REPORTING. 3; I, II. Fundamentals of news writing, with emphasis on style and structure. Practice in covering assignments of the campus newspaper. Mr. Clark, Mr. Wallis.

212.* ADVANCED NEWS REPORTING. 3; I, II. Journ. 211 continued, with practice in reporting more complex and specialized types of news. Prereq.: Journ. 211. Mr. Wallis.

301.* FUNDAMENTALS OF EDITING. 3; I, II. Theory and practice in copy-reading, headline writing, proofreading, rewriting and copy preparation; wire copy editing, newspaper layout; and consideration of legal aspects of the press. One two-hour class meeting and one two-hour laboratory each week. Prereq.: Journ. 211. Mr. Day, Mr. Eberhard.

302.* ADVANCED EDITING. 3; I, II. Theory and practice in editorial functions involved in producing other-than-newspaper types of publications, including the newsletter, brochure, booklet, and magazine. Two class meetings and one two-hour laboratory. Prereq.: Journ. 301. Mr. Eberhard, Mr. Walker.

304.* FEATURE WRITING. 3; II. Study and practice in writing the simple newspaper feature story, short magazine article, and longer illustrated article. Articles are submitted for publication. Mr. Clark.

307.* PRESS PHOTOGRAPHY. 3; I, II. Practice in advanced problems of news picture taking and processing, and evaluation of pictures for reproduction. Two class meetings and one two-hour laboratory period each week. Prereq.: Journ. 107 or consent of instructor. The student furnishes some materials. Mr. Gordon.

310.* TYPOGRAPHY. 3; I. A study of type and the use of typographic elements in the layout of newspaper and magazine pages, advertising, and other types of printing. Two class meetings and one two-hour laboratory period each week. Prereq. or parallel: Journ. 211 or consent of instructor. Mr. Currier.

315.* PRESS MANAGEMENT. 3; I. Business problems of publishing—organization, financing, circulation, promotion—and the mechanics of publication, including various types of reproduction, adaptability of each, comparative costs, and related problems. Mr. Derr.

- 320.* **NEWSPAPER ADVERTISING.** 3; II. Newspaper advertising theory and practice; emphasis on advertising production for the small daily or weekly newspaper. Mr. Derr.
- 325.* **HISTORY OF AMERICAN JOURNALISM.** 3; II. The English background of the American press and development from 1690 to the present. Comparison with trends in other countries. Mr. Currier.
- 330.* **RADIO-TELEVISION NEWS.** 3; I, II. The technique of writing and editing news for radio and television broadcasting. Students prepare newscasts from facts gathered from press association wire reports. Prereq.: Journ. 211 or consent of instructor. Mr. Derr.
- 340.* **PRINCIPLES OF PUBLIC RELATIONS.** 3; I, II. Public relations, problems, policies, and practices applied to business and industry or public and private institutions. Emphasis on media and methods of communicating with the public. Mr. Derr.
- 401.* **ETHICS OF JOURNALISM.** 3; II. Problems in newspaper and magazine publishing and news broadcasting—pressures of special interests, news suppression, influence of advertising, publicity, etc.—and handling of controversial news situations. Mr. Currier.
- 402.* **LAW OF JOURNALISM.** 3; II. Legal limits on freedom of the press, rights and duties of the press, libel, constitutional guarantees, contempt, copyright, privacy, special problems of the electronic media. Prereq.: Journ. 301 and junior standing. Staff.
- 403.* **THE EDITORIAL.** 3; I. Techniques of editorial writing and the role of editorial opinion in modern mass media. Prereq.: journalism major or consent of instructor. Staff.
- 412.* **JOURNALISM PRACTICE.** 3; I. An intern program involving summer work, following the junior year, with an employer in the field of the student's major interest. Seminar meetings each week and conferences with the instructor during the fall semester. Open to the journalism major who is approved by the director. Mr. Derr.
414. **HIGH SCHOOL PUBLICATIONS.** 3; summer. For teachers and prospective teachers of high school journalism and advisers of school newspapers and year-books. Problems of editorial supervision, business management, and production. Mr. Clark.
440. **PUBLIC RELATIONS TECHNIQUES.** 3; II. Principal public relations tools and practice in their use: publicity materials, institutional advertising, industrial publications, reports, pamphlets, and contact public relations in business, industry, or an association. Prereq.: Journ. 301, 310, 340. Mr. Derr.
- 461.* **SPECIAL PROBLEMS IN JOURNALISM.** 1-3; I, II. Research problems, practical projects, or intensive reading designed to meet the needs of the student's special interest in journalism. Open to seniors with approval of the director. May be repeated to 6 hours. Staff.

LATIN (See Romance Languages.)

LIBRARY SCIENCE

ASSOCIATE PROFESSOR REES (CHAIRMAN); INSTRUCTOR S. ATTINELLO.

- 203.* **INTRODUCTION TO LIBRARIANSHIP.** 3; I, II. The history of books and libraries, the growth of the profession, types of libraries in the modern world and varieties of library organization. Mr. Attinello.
- 204.* **THE ELEMENTARY SCHOOL LIBRARY.** 3; I. Organization and administration of library service in the elementary school. Staff.

- 205.* THE SECONDARY SCHOOL LIBRARY. 3; II. The organization and administration of library service in the secondary school. Staff.
- 303.* BOOK SELECTION. 3; I, II. Principles of book selection and order work. Miss Rees.
- 304.* CLASSIFICATION AND CATALOGING. 3; I, II. Basic technical procedures in the preparation of books. Mr. Attinello.
- 305* (403). REFERENCE SERVICES AND MATERIALS. 3; I, II. Basic sources of information and how to use them to answer questions by library patrons. Mr. Attinello.
- 311.* LIBRARY MATERIALS FOR SECONDARY SCHOOLS. 3; I. Books, periodicals, and related materials for secondary school students with specific reference to reading interests, needs, and abilities. Includes adult titles for the adolescent, materials for gifted child and retarded reader. Prereq.: Lib. Sci. 303 or consent of instructor. Miss Rees.
- 342.* CHILDREN'S LITERATURE. 3; I, II. See English 342. Not open to students with credit for English 342. Staff.
- 401* (202). PERIODICALS. 3; II. Development of English and American magazines with emphasis on educational use. Staff.
- 404.* HISTORY OF BOOKS AND LIBRARIES. 3; II. Development of books and libraries from earliest times to the present. Historical review with emphasis on their role as agents of communication. Miss Rees.
- 405.* GOVERNMENT PUBLICATIONS. 3; I; offered in 1967-68 and in alternate years. Nature, use, acquisition and organization of printed materials issued by federal, state, and local governments and international agencies. Prereq.: Lib. Sci. 305 or consent of instructor. Mr. Attinello.
- 421.* INTRODUCTION TO FOLKLORE. 3; I. See English 421. Not open to students with credit for English 421. Staff.
422. INVESTIGATIONS IN THE TEACHING OF READING. 3; I. See Educ. 422. Not open to students with credit for Educ. 422. Staff.
- 427.* PREPARATION OF INSTRUCTIONAL MATERIALS. 3; I, II, summer. See Educ. 427. Not open to students with credit for Educ. 427. Staff.
- 428.* UTILIZATION OF AUDIO-VISUAL MATERIALS. 3; I, II. See Educ. 428. Not open to students with credit for Educ. 428. Staff.
- 442.* STUDIES IN CHILDREN'S LITERATURE. 3; summer. See English 442. Not open to students with credit for English 442. Staff.
- 490.* PROBLEMS IN LIBRARY SCIENCE. 3; II. An advanced seminar course with emphasis on investigation of a topic approved by the department and the preparation of a major paper. A student with a major in library science may, with permission of the department, repeat to 6 hours. Staff.
- 491.* FIELD WORK. 3; II. Supervised field work in the Bowling Green University Library or in a school library approved by the department. Staff.

MARKETING

PROFESSORS MANDELL†† (CHAIRMAN), DAVIDSON; VISITING PROFESSOR PUUKARI; ASSOCIATE PROFESSOR HOSKINS (ACTING CHAIRMAN)‡‡; ASSISTANT PROFESSOR BARKER; INSTRUCTORS GOVONI, HOLMES, KECK.

300 (330)* PRINCIPLES OF MARKETING. 3; I, II. Principles underlying economic functions, organization, management of marketing. Prereq.: Econ. 202 or consent of instructor. Staff.

††On leave second semester 1966-67.

‡‡Second semester 1966-67.

- 340 (331).* **PERSONAL SELLING.** 3; I, II. Economic and behavioral relationships between customer needs, buying motives, seller's performance affecting sales of industrial goods, consumer goods, intangibles, theory, principles, role playing in selling. Staff.
- 401 (478). **PROBLEMS IN MARKETING MANAGEMENT.** 3; I, II. Integrating course utilizing readings and case studies involving organization and management of marketing institutions and functions. Prereq.: Mkt. 300. Staff.
402. **MARKETING DYNAMICS.** 3; I, II. Examination of the changes occurring in the marketplace, factors undergirding these changes, and marketers' reactions; consumer behavior, market segmentation, innovation. Prereq.: Mkt. 300. Staff.
403. **MARKETING PLANNING.** 3; I, II. Integrating, capstone course; students develop and present a marketing plan for a real and unsolved problem. Prereq.: Mkt. 300, 401, 402, 420. Staff.
409. **MARKETING INTERNSHIP.** 1-3; II. Experience in approved business positions; students participate in a seminar in which they formally evaluate their work experience. Program must be arranged in advance and approved by the coordinator. Work experience to be completed within one year from the time the student is accepted in the program. Credit to be determined by the quality and extent of the work experience. Not open to students with credit for Acctng. 409, Bus. Adm. 409, or Econ. 409. Staff.
- 410 (431).* **PRINCIPLES OF ADVERTISING.** 3; I, II. Principles underlying business advertising. Includes study of social and economic aspects, merchandising, research, motivation, media, appropriation, and techniques as these relate to advertising. Prereq.: Mkt. 300 or consent of instructor. Mr. Mandell.
- 411 (475).* **ADVERTISING CREATIVITY.** 3; I. Examination of the creative process applied to promotion. Theory and practice of creative aspects of advertising: copy, layout, and production. Prereq.: Mkt. 410. Staff.
- 412 (471).* **ADVERTISING PROBLEMS.** 3; II. Case studies evaluating opportunities for effective use of advertising, building promotional programs, selection of advertising media, methods of determining the effectiveness of advertising. Prereq.: Mkt. 410. Mr. Mandell.
- 420 (435)* **MARKETING RESEARCH.** 3; I, II. Marketing research as a source of information relevant to the solution of marketing problems. Technical aspects of research are presented as they relate to the manager's ability to judge the soundness of research proposals and evaluate research findings. Prereq.: Mkt. 300. Mr. Barker.
- 421.* **PROBLEMS IN MARKETING RESEARCH.** 3; II. Provides experience in using the principles of research to solve marketing problems. Survey and experimental research projects from formulation to presentation of findings. Topics include sample design, questionnaire construction, data collection, tabulation and analysis. Prereq.: Mkt. 420. Mr. Barker.
- 430 (433).* **PRINCIPLES OF RETAILING.** 3; I, II. Principles underlying the evolution, organization, and operation of retailing. Prereq.: Mkt. 300 or consent of instructor. Mr. Davidson.
- 436 (473).* **RETAIL MERCHANDISING.** 3; II. Merchandising functions: buying, selling. Merchandise planning, budgeting, procuring, pricing; sales promotion, inventory evaluation, cost analysis, and control. Prereq.: 430. Mr. Davidson.
- 441 (434).* **SALES MANAGEMENT.** 3; I, II. Management of the sales function of a firm. Administration of the sales force and its activities in manufacturing and wholesaling enterprises is evaluated. Topics include sales organization, operation, planning, and analysis. Prereq.: Mkt. 300. Staff.
- 450 (479).* **INTERNATIONAL MARKETING.** 3; I. Marketing structure and policies employed in export and import trade. Consideration of legal, cultural, and

economic factors in marketing abroad. Includes forecasting, channels of distribution, pricing, sales promotion, advertising, etc. Prereq.: Mkt. 300. Mr. Hoskins.

491. STUDIES IN MARKETING. 1-3; offered on demand. Selected areas treated in depth. Areas not covered by existing courses but which are rapidly developing as an important part of the discipline will be examined. Offered to individuals, on a lecture basis, or in seminars, depending on student needs and course content. May be repeated to 6 hours. Staff.

495. READING FOR HONORS IN MARKETING. 1-3; I, II. For superior students who wish to engage in individual reading programs to broaden their knowledge of marketing literature by study and investigation of particular areas on a semi-independent basis. Prereq.: academic standing in the upper 20 per cent. Staff.

MATHEMATICS

PROFESSORS GRAUE (CHAIRMAN), D. KRABILL, OGG, TINNAPPEL; ASSOCIATE PROFESSORS KIRBY, LEETCH, LONG, MATHIAS, TOWNSEND, VOGELI; ** ASSISTANT PROFESSORS AL-AMIRI, EAKIN, HARRELL, HOLLISTER, O'MEARA, RAMALEY, RYAN, SATYANARAYANA, TERWILIGER, WOHLER; INSTRUCTORS CAUGHRAN, †† E. KRABILL.

The student should enter the sequence of mathematics courses at the point most appropriate to his previous preparation. A student who has any questions about the proper course for his purpose should consult with a member of the department.

Where a course is listed as a prerequisite to another course, a grade of C or better is required. Exceptions will be granted only with consent of instructor in the sequence course and chairman of the department.

Math. 121, 122 and 124 are designed as terminal courses and not part of the sequence leading to specialization in mathematics or preparation for mathematically oriented disciplines. Students who start their study of college mathematics with any of these courses and change their objectives to mathematically oriented subjects should consult the adviser and the chairman of the department to ascertain the best adjustment to make in their programs.

121.* TOPICS IN MODERN MATHEMATICS. 3; I, II. Selected topics from algebra, probability, coordinate geometry, and calculus. Not applicable to major or minor requirements. Prereq.: 1 year of high school algebra. Staff.

122.* TOPICS IN MODERN MATHEMATICS. 3; I, II. Illustrates the nature of mathematical thought, structure, and processes. For students not expecting to continue mathematics. Not applicable to major or minor requirements. Prereq.: 3 years of high school mathematics, or Math. 121. Staff.

123.* ELEMENTS OF MODERN MATHEMATICS. 3; I, II. The real and complex number systems, functions, and coordinate geometry. Prereq.: 3 years of high school mathematics. Approval by department chairman. Staff.

124.* TOPICS IN MODERN MATHEMATICS. 3; I, II. Topics in linear equations, inequalities, linear programming, probability and calculus, with applications to the management and social sciences. Not applicable to major or minor requirements. Prereq.: Math. 121. Staff.

131.* ANALYTIC GEOMETRY AND CALCULUS. 5; I, II. Limits, continuity, derivatives, antidifferentiation, the Riemann integral, and applications. Prereq.: 3½ years of high school mathematics (including trigonometry) and satisfactory performance on the mathematics placement test, or Math. 123. Staff.

212.* MATHEMATICS OF FINANCE. 3; II. Compound interest and compound discount; equations of value; annuities; capitalized cost; amortization of indebtedness; sinking funds; depreciation; valuation of bonds; use of calculating machine. Prereq.: Math. 121. Staff.

**On leave 1966-67.

††Second semester 1966-67.

- 232.* ANALYTIC GEOMETRY AND CALCULUS. 5; I, II. Transcendental functions; applications; indeterminate forms; solid analytic geometry; series. Prereq.: Math. 131. Staff.
- 233.* ANALYTIC GEOMETRY AND CALCULUS. 3; I, II. Vectors; partial differentiation; multiple integrals; elementary differential equations. Prereq.: Math. 232. Staff.
241. ELEMENTARY MATHEMATICS. 3; I, II. Elementary mathematics as a part of human culture and of modern society. For elementary education majors only. Staff.
242. ELEMENTARY MATHEMATICS. 3; I, II. Percentage and its applications, an introduction to algebra and geometry, and mensuration. For elementary education majors only. Prereq.: Math. 241. Staff.
- 311.* HISTORY OF MATHEMATICS. 2; II; offered on demand. History of mathematics through the calculus. Prereq. or parallel: Math. 232. Staff.
- 401.* ELEMENTARY NUMBER THEORY. 3; I; offered in 1967-68 and in alternate years.† Elementary theory of congruences; the quadratic reciprocity law; diophantine problems; classical construction problems and other selected topics. Prereq. or parallel: Math. 233. Staff.
- 402.* INTRODUCTION TO MODERN GEOMETRY. 3; II. An axiomatic development of elementary properties and interrelationships of projective, Affine, Euclidean, and non-Euclidean geometries. Prereq.: Math. 232. Staff.
- 403.* INTRODUCTION TO MODERN ALGEBRA. 3; I, II. Elementary properties of groups, rings, and fields; investigation of the ring of integers, rational, real, complex fields; polynomial rings. Prereq.: Math. 232. Staff.
- 405.* ELEMENTARY PROJECTIVE GEOMETRY. 3; I. Fundamental theorems of projective geometry; Euclidean geometry as a portion of the larger field. Prereq. or parallel: Math 233. Staff.
- 407.* ORDINARY DIFFERENTIAL EQUATIONS. 3; I, II. Equations of the first, second, and higher orders; linear equations with constant coefficients; solutions in series and systems of equations; numerical approximations; applications in physics and geometry. Prereq. or parallel: Math. 233. Staff.
- 408.* TOPICS IN DIFFERENTIAL EQUATIONS. 3; II. Existence theorems; linear and nonlinear equations of the second order; Laplace transform and applications; series solutions; numerical solutions; partial differential equations of mathematical physics; Fourier series; solution of boundary value problems. Prereq.: Math. 407. Staff.
- 409.* ADVANCED CALCULUS. 3; I, II. Real number system and Euclidean space, vectors, theory of functions, derivatives, implicit functions, convergence, Riemann integrals. Prereq.: Math. 233. Staff.
- 410.* ADVANCED CALCULUS. 3; II. Riemann Stieltjes integral, uniformity concepts, line and surface integrals, improper integrals, Fourier series. Prereq.: Math. 409. Staff.
- 411.* ELEMENTARY TOPOLOGY. General properties of sets; topology of plane sets; metric spaces; functions, continuous mappings, homeomorphisms, compactness, connectedness and topological spaces. Survey of some of the classical problems. Prereq.: Math. 232. Staff.

†May be offered every year, when required for National Science Foundation Institute participants.

- 414.* APPLIED MATHEMATICS. 3; II; offered in 1968-69 and in alternate years. Topics will be selected from a broad variety of areas in the field of applied mathematics. Prereq. or parallel: Math. 233. May be repeated for credit when topics are different. Staff.
- 421.* FOUNDATIONS OF MATHEMATICS. 3; I; offered in 1967-68 and in alternate years. The classic material in the fields of geometry and algebra is examined from an advanced point of view. The hypothetico-deductive nature of mathematics is clarified; properties of postulate sets. Boolean algebra, symbolic logic, and the calculus of propositions are included. Prereq.: Math. 233. Staff.
- 422.* FOUNDATIONS OF MATHEMATICS. 3; II; offered in 1967-68 and in alternate years. Continuation of Math. 421. Prereq.: Math. 421. Staff.
- 432.* LINEAR ALGEBRA AND MATRIX THEORY. 3; I, II. Systems of linear equations, vectors, basic operations, determinants, Hermitian functions and forms, linear transformations over a vector space, canonical representations. Prereq.: Math. 232. Staff.
- 441.* THEORY OF PROBABILITY AND MATHEMATICAL STATISTICS. 3; I. Discrete probability, random variables, probability distributions, mathematical expectation; continuous random variables, probability densities, mathematical expectation, distributions of sums of random variables; the central limit theorem. Prereq. or parallel: Math. 233. Staff.
- 442.* THEORY OF PROBABILITY AND MATHEMATICAL STATISTICS. 3; II. Sampling distributions: tests of hypotheses; correlation and regression analysis; analysis of variance. Prereq.: Math. 441. Staff.
- 451.* NUMERICAL ANALYSIS. 3; I. Mathematical methods with high-speed computers. Reduction of scientific problems to algorithms or to flow charts, numerical interpolation, evaluation of functions, solution of linear and non-linear algebraic equations, solution of linear systems, curve-fitting, numerical methods in differentiation and integration, and the solution of ordinary differential equations. The FORTRAN algebraic programming language applied to the IBM 1620 computer. Prereq.: Math. 233. Staff.
- 452.* NUMERICAL ANALYSIS. 3; II. Math. 451 cont'd. Staff.
- 461.* INTRODUCTION TO THE THEORY OF FUNCTIONS OF A COMPLEX VARIABLE. 3; II. Complex numbers, analytic functions, complex integration, power series, residues and poles, conformal mapping, analytic continuation. Prereq.: Math. 409. Staff.
- 490.* PROBLEMS IN MATHEMATICS. 1-3; I, II. Readings and independent study of particular interest to individual students of high potential. May be repeated. Prereq.: consent of instructor and chairman of the department. Staff.

HONORS COURSES IN MATHEMATICS

Upon invitation from the faculty of the Department of Mathematics, a student may undertake the Honors Program in Mathematics. Participation is open to a mathematics major whose performance in analytic geometry and calculus has indicated his interest in mathematics and his probable success. Graduation with Honors in Mathematics entails the indicated additional work in Math. 295, 395 and 495, above the requirements of the major. Participation is voluntary and may be discontinued without prejudice.

- 295.* HONORS COURSE IN MATHEMATICS I. I; I, II. Fundamental ideas of logic, proofs, and the real number system. To be taken concurrently with Math. 233. Prereq.: invitation of department chairman. Staff.

395.* HONORS COURSE IN MATHEMATICS II. 1; I, II. The resources of a mathematics library; techniques involved in conducting a search for articles bearing on a selected topic. Each student will prepare and present a paper. Prereq.: Math. 295 and consent of instructor. Staff.

495.* HONORS COURSE IN MATHEMATICS III. 1; I, II. Preparation of a research paper and submission to an examination. Prereq.: Math. 395 and approval of the chairman of the department. Staff.

COURSES FOR NATIONAL SCIENCE FOUNDATION INSTITUTE PARTICIPANTS

423. FUNDAMENTAL CONCEPTS OF ARITHMETIC. 2; summer. Study of the set, identity, transformations, invariance and equivalence. Variable parameter and set of rational numbers. Emphasis on the foundation of the number system, the rule of order, use of signs of aggregation, problem construction, odd and even numbers, prime and composite numbers, divisibility. Staff.

424. FUNDAMENTAL CONCEPTS OF ALGEBRA. 2; summer. Concepts of set, identity, transformations, invariance and equivalence. Variable parameter and constant will be defined. Algebraic expressions as set generators. Equivalence relations will be discussed and transformations leading to such relations developed. Review and analysis of contemporary texts. Staff.

425. SEMINAR IN THE TEACHING OF JUNIOR HIGH SCHOOL MATHEMATICS. 2; summer. Series of lectures by prominent mathematicians and mathematics educators. Materials used will include the publications of the lecturers, the yearbooks of the National Council of Teachers of Mathematics, and the publications of the various study groups. A term project involving a unit of work in his own classroom will be required for each teacher attending. Staff.

427-428. MATHEMATICAL ANALYSIS FOR HIGH SCHOOL TEACHERS. 3 each; offered on demand. A review of mathematical analysis and an introduction to the calculus. Prereq.: college algebra. Staff.

MILITARY SCIENCE

PROFESSOR, COLONEL GRACE (CHAIRMAN); ASSISTANT PROFESSORS, LT. COL. HAYES, MAJOR CRAWFORD, CAPTAIN BURDGE; ADMINISTRATIVE ASSISTANTS, SERGEANT MAJOR SMART, SERGEANT FIRST CLASS GORACKE, STAFF SERGEANT FIGUEROA.

BASIC COURSE

101.* MILITARY SCIENCE I. 1; I. Introduction to Military Science; organization of U. S. Army and national security; leadership laboratory. Staff.

102.* MILITARY SCIENCE I. 1; II. Individual weapons and marksmanship; leadership laboratory. Staff.

201.* MILITARY SCIENCE II. 2; I. American military history; leadership laboratory. Staff.

202.* MILITARY SCIENCE II. 2; II. Map reading and aerial photography, introduction to basic tactics and operations; leadership laboratory. Staff.

ADVANCED COURSE

301.* MILITARY SCIENCE III. 0; I. Branches of the U.S. Army to include organization, missions, and functions; military teaching principles; leadership laboratory. Prereq.: MS 201 or application for the Two-Year Program or previous military training. Staff.

302.* MILITARY SCIENCE III. 3; II. Solving leadership problems; principles and fundamentals of small unit tactics; communications; pre-camp orientation; leadership laboratory. Prereq.: MS 301. Staff.

401.* MILITARY SCIENCE IV. 0; I. Role of the U.S. in world affairs; U.S. Army administration; leadership laboratory and exercise of command. Prereq.: MS 302. Staff.

402.* MILITARY SCIENCE IV. 3; II. Operations to include staff and command functions, logistics, military law, service orientation. Prereq.: MS 401. Staff.

MUSIC

PROFESSORS KENNEDY (DIRECTOR), HOHN; ASSOCIATE PROFESSORS W. D. ALEXANDER, ALLEN,** BETTS, GLASMIRE, HOWARD, LINDEN, MAKARA, H. SKINNER, TRUSLER; ASSISTANT PROFESSORS AVERY, BURNETT, COBB, DEIS, GIGANTE, KELLY, PASTER, ROSE, SANOV, WOLCOTT,** F. YOUNG; INSTRUCTORS CHASE, DEPUE, DUFFUS, DUVALL, HOELZLEY, R. JAWORSKI, W. JAWORSKI, R. MOORE, POPE, D. ROGERS, RUBIN, SCHWARTZ, SEID, SIMONSON; PART-TIME INSTRUCTORS BOILEAU, JANOWSKY, ROCCHI.

COURSES IN THEORY, HISTORY, AND APPRECIATION

101.* SIGHT-SINGING AND DICTATION.† 2; I. Development of visual and aural recognition of melodic line. Rhythmic reading, singing of diatonic and chromatic material, including scales, intervals, and modes; rhythmic, isorhythmic, and melodic dictation. Staff.

102.* SIGHT-SINGING AND DICTATION.† 2; II. A continuation of Music 101, including the use of alto and tenor clef transpositions. Prereq.: Music 101 or consent of instructor. Staff.

107* (103, 105). BASIC MUSICIANSHIP. 1-5; I. Elementary course in the fundamental equipment of the musician, divided into three areas of instruction: a. Theory (2 hours), b. Literature (2 hours), c. Aural Theory (1 hour). Required of all freshmen in the School of Music unless formally waived in whole or part. No additional fees. Staff.

108* (104, 106). BASIC MUSICIANSHIP. 1-5; II. Music 107 cont'd. Prereq.: Music 107. Staff.

201.* SIGHT-SINGING AND DICTATION.† 2; I, II. Advanced practice in reading of complex melodic material; melodic and harmonic dictation. Prereq.: Music 102. Staff.

205.* HARMONY. 3; I. Non-harmonic tones: altered chords, modulations, harmonic counterpoint. Prereq.: Music 108 or equivalent. Staff.

206.* HARMONY. 3; II. A continuation of Music 205. Prereq.: Music 205. Staff.

**On leave 1966-1967.

†Music 101, 102, and 201 may be waived by examination. Proficiency as of the completion of Music 201 in sight-reading and dictation is prerequisite for graduation as a music major or minor.

- 209.* PIANO LITERATURE I. 2; I. Survey of literature for stringed keyboard instruments from the age of Bach and his contemporaries through the early Romantic composers. Live and recorded performances. Discussion of historical, formal and aesthetic features of the music studied. Staff.
- 210.* PIANO LITERATURE II. 2; I. Survey of literature for piano from high Romanticism to the present. Live and recorded performances. Discussion of historical, formal and aesthetic features of the music studied. Staff.
211. GENERAL MUSIC. 2; I, II. Fundamental music skills: theory, reading by syllable, pitch and rhythmic dictation, music appreciation, song singing. Not open for credit to the music major or minor. Staff.
212. GENERAL MUSIC. 2; I, II. A continuation of Music 211; methods of teaching music in the elementary grades. Three hours a week. Prereq.: Music 211. Not open for credit to the music major or minor. Staff.
213. GENERAL MUSIC. 3; I, II. Accelerated course for Elementary Education majors, covering in one semester material covered in Music 211 and 212. High level of attainment expected; open to students with a wide background in music. Not open for credit to the music major or minor, nor to the student with credit in Music 211 or 212. Staff.
- 215.* ORGAN LITERATURE. 2; I. Survey of organ literature before 1750 with representative works performed by students and instructor. Staff.
- 216.* ORGAN LITERATURE. 2; II. Survey of organ literature from 1750 to the present with representative works performed by students and instructor. Staff.
- 301.* CHORAL LITERATURE. I; offered on demand. Chronological study and analysis by performance, recordings, and scores of small and large choral works, Renaissance-present. Two hours per week. Prereq.: Music 201 or equivalent. Staff.
- 304.* FORM AND ANALYSIS. 2; I, II. Analysis of the small and large forms of composition from various periods. A general survey of musical form from plain chant until the present. Prereq.: Music 206 or equivalent. Staff.
- 305.* HISTORY OF MUSIC. 3; I. A comprehensive chronological study of the periods and schools of vocal and instrumental music, sacred and secular, from the origins of primitive music to 1600. Three hours per week. Staff.
- 306.* HISTORY OF MUSIC. 3; II. A continuation of Music 305, covering developments from 1600 to contemporary music. Three hours per week. Staff.
- 309.* KEYBOARD HARMONY. 2; I. The utilization of keyboard skills relating to score reading, transposition, extemporization and accompanying. Staff.
- 310.* KEYBOARD HARMONY. 2; II. Continuation of keyboard skills developed in Music 309; practical aspects of accompanying. Staff.
- 311.* VOCAL LITERATURE. 2; I. Analysis of the performance of song literature, 17th-18th century, with emphasis on awareness of harmonic, formal and compositional techniques employed by composers. Staff.
- 312.* VOCAL LITERATURE. 2; II. Analysis of the performance of song literature, 19th century-present, with emphasis on awareness of harmonic, formal and compositional techniques employed by composers. Staff.
- 313.* SINGER'S DICTION (Italian). 2; II. An analysis of the theory and basic concepts involved in applying the principles of lyric Italian diction as concerns the singer; simple grammatical construction and use of the dictionary. Staff.
- 315.* ORCHESTRATION. 2; I, II. Score analysis, and individual arranging and writing for the various independent families of the orchestra, woodwinds, brass, strings, and percussion, as well as scoring for the full symphony orchestra. Staff.

316.* COMPOSITION. 2; offered on demand. Original composition in songs and instrumental forms. May be repeated once for credit with consent of the Director of the School of Music. Prereq.: Music 304. Staff.

317.* MUSIC APPRECIATION. 2; I, II. Elements and instruments of music showing significance of each as it becomes important to understanding. Through fine music literature, the listener will acquire an understanding beyond the simple absorption of sound or a preoccupation with the technical aspect. Not open to the music major. Staff.

318.* SYMPHONIC LITERATURE. 1; offered on demand. A listening course tracing the development of the symphony and symphonic poem to the modern period, through analysis of structure, orchestration, and instrumentation. Two hours per week. Prereq.: Music 305, 306. Staff.

320.* BAND ARRANGING. 2; I, II. Scoring for bands, choirs, ensembles, and full band. Staff.

403* (303). COUNTERPOINT. 2; I, II. 16th century counterpoint. Prereq.: Music 206 or equivalent. Staff.

404.* COUNTERPOINT. 2; offered on demand. 18th century counterpoint; tonal counterpoint in three and four voices; canon, invention, fugue, chorale-prelude. Staff.

409* (309). MODERN MUSIC. 2; I, II. Survey and analysis of techniques and trends in composition in all media commencing with works of Wagner and progressing through post-romantic, expressionist, impressionist, nationalist, dodecaphonist, and present-day experimentalism. Prereq.: Music 305. Staff.

411.* SINGER'S DICTION (English). 2; I. Study of phonetics as it pertains to the singer, in order to achieve clarity, accuracy, ease and uniformity in the singing of English. Staff.

412* (312). OPERA LITERATURE. 2; offered on demand. Styles, interpretation, traditional performances of various schools of opera. Vocal experience required. Prereq.: Music 305, 306. Staff.

415.* ORGAN CONSTRUCTION. 2; I. Chronological survey of the history of the design and construction of the organ, with attention to the Baroque organ and to the Organ Movement of the 20th century. Staff.

COURSES IN MUSIC EDUCATION

CREDIT REQUIREMENT: Total of 27-29 hours of applied music required for the student in public school music. All courses in applied music, including Music 100, 200, 300, may be used to meet this requirement.

203. MUSIC IN THE ELEMENTARY SCHOOL. 3; I, II. The objectives, materials, and procedures involved in the teaching of music in the first six grades. Staff.

207.* CHORAL CONDUCTING. 2; I. Fundamental beat and cuing techniques with emphasis on the choral media. Staff.

208.* INSTRUMENTAL CONDUCTING. 2; II. Continuation of baton techniques with emphasis on conducting instrumental ensembles. Prereq.: Music 207. Staff.

355. METHODS IN MUSIC IN THE SECONDARY SCHOOL. 3; I, II. Subject matter and materials for music in junior and senior high schools. Staff.

357. INSTRUMENTAL ORGANIZATION AND ADMINISTRATION. 2; I, II. For elementary and secondary schools. Staff.

413. BRASS PEDAGOGY. 2; I or II. Brass teaching techniques and the literature for brass instruments. Staff.
414. WOODWIND PEDAGOGY. 2; I or II. Teaching techniques and materials for woodwind instruments. Staff.
416. PIANO PEDAGOGY. 2; I. Methods and materials for teaching individuals and classes of both children and adults. Staff.
418. STRING PEDAGOGY. 2; I or II. (Upper and lower strings.) Principles of teaching of stringed instruments. Investigation of related literature and materials. Staff.
419. ORGAN PEDAGOGY. 2; I or II. Principles of teaching and literature applied to various levels of organ study. Survey of common faults and their correction. Practice teaching under supervision. Staff.
456. CHORAL TECHNIQUES AND ORGANIZATION. 2; I, II. Advanced course in music education for the vocal-choral major designed to prepare him to direct a choral program in the high school, church, and community. Staff.

APPLIED MUSIC—CLASS INSTRUCTION

- 120.* PERCUSSION CLASS. I; II. Staff.
- 130.* HIGH BRASS CLASS. I; I, II. Staff.
- 139.* LOW BRASS CLASS. I; I, II. Staff.
- 140.* CLARINET AND FLUTE CLASS. I; I, II. Staff.
- 149.* OBOE AND BASSOON CLASS. I; I, II. Staff.
- 170.* VOICE CLASS. I; I, II. Staff.
- 180.* HIGH STRING CLASS. I; I, II. Staff.
- 189.* LOW STRING CLASS. I; II. Staff.

APPLIED MUSIC—INDIVIDUAL INSTRUCTION

Individual study in applied music is offered in piano, voice, organ and all string and wind instruments. A student enrolling for the first time must audition for classification based on ability and training. Studio class recitals will be held periodically. An applied music student must pass an examination before a faculty committee at the end of the semester to receive credit, unless excused by instructor.

- 121-122,* 221-222,* 321-322,* 421-422.* 1 or 2 or 3 each. PERCUSSION. Staff.
- 131-132,* 231-232,* 331-332,* 431-432.* 1 or 2 or 3 each. BRASS. Staff.
- 141-142,* 241-242,* 341-342,* 441-442.* 1 or 2 or 3 each. WOODWIND. Staff.
- 161-162,* 261-262,* 361-362,* 461-462.* 1 or 2 or 3 each. PIANO. Staff.
- 171-172,* 271-272,* 371-372,* 471-472.* 1 or 2 or 3 each. VOICE. Staff.
- 181-182,* 281-282,* 381-382,* 481-482.* 1 or 2 or 3 each. STRING. Staff.
- 191-192,* 291-292,* 391-392,* 491-492.* 1 or 2 or 3 each. ORGAN. Staff.

FEEES—APPLIED MUSIC—INDIVIDUAL INSTRUCTION

For each half hour per week per semester of individual instruction there is a semester fee of \$40.

A student enrolled for applied music has access to practice rooms and equipment without charge, in accordance with schedules and regulations determined by the School of Music.

RECITAL ATTENDANCE AND PARTICIPATION

A student majoring or minoring in music is required to attend all Musicianship and Performance Classes† (Thursdays at 2 p.m.); music majors are to attend 20 per semester** and music minors 12 per semester** of student and faculty recitals, concerts, and those University Artist Series presentations that are especially significant musically. The music major or minor is required to participate, directly or indirectly, in major School of Music concert productions.

100*-300.* SMALL ENSEMBLES. I; I, II. Small ensembles, listed below, are formed under the supervision of the School of Music and are offered on demand. Music 100 for freshmen and sophomores, Music 300 for juniors and seniors, may be repeated, but credit earned in Music 100-300 may not exceed 8 hours. Staff.

BRASS

- | | |
|--|--------------------------------------|
| 100a, 300a. Brass Ensemble | 100b, 300b. Trombone Trio or Quartet |
| 100c, 300c. Brass Quartet | 100d, 300d. Brass Sextet |
| 100e, 300e. Trumpet Trio | 100f, 300f. French Horn Quartet |
| 100g, 300g. Wind and Percussion Ensemble | |

STRING

- | | |
|---|--|
| 100j, 300j. Piano Trio, Quartet, or Quintet | 100k, 300k. String Quartet |
| 100m, 300m. String Ensemble | 100n, 300n. String Ensemble with Woodwinds, Brass, or Percussion |

PERCUSSION

- 100r, 300r. Percussion Ensemble

WOODWIND

- | | |
|---|-------------------------------|
| 100q, 300q. Flute Ensemble | 100t, 300t. Woodwind Quintet |
| 100s, 300s. Clarinet Quartet | 100v, 300v. Woodwind Choir |
| 100u, 300u. Mixed Ensemble, Trio or Quartet | 100w, 300w. Saxophone Quartet |

PIANO

- 100x, 300x. Piano Duo (two pianos, four hands)
 100y, 300y. Piano Accompaniment
 100z, 300z. Piano Ensemble (one piano, four hands and ensemble)

VOCAL

- | | |
|--------------------------------|--|
| 100aa, 300aa. Madrigal Society | 100bb, 300bb. Women's Octet |
| 100cc, 300cc. Men's Quartet | 100dd, 300dd. Opera Workshop (audition required) |

200.* LARGE ENSEMBLES. I; I, II. Open to all students of the University possessing the necessary musical ability. Any student taking individual voice lessons may register for Music 200A, B, or C only with the consent of his voice instructor and the conductor of the ensemble. All credit earned in Music 200 will be placed on the student's permanent academic record, but not more than 8 hours may apply toward degree requirements. Staff.

†Unauthorized absences from Musicianship and Performance Class will be reported and treated as an absence from a regularly scheduled class.

**Failure to meet this standard will result in the student's grade in his major area being dropped one letter.

- | | |
|--|---|
| 200A. A Cappella Choir | 200B. Collegiate Chorale |
| 200C. University Chorus | 200D. Symphonic or Concert Band |
| 200E. Marching Band and Symphonic
or Concert Band (first semester)† | (second semester)
200H. Symphony Orchestra |

†One hour credit for band activities requires participation for the full semester. In the fall semester students registered for credit in Music 200E will continue after Marching Band in one of the band groups. Those who wish to participate in only one or the other activity will do so on a non-credit basis.

Successful participation in the Marching Band for its full season, may be used for the first nine weeks' requirement in HPE 101, 102, 201, or 202, when certified by the Director of Bands. The student must register for the appropriate HPE course and report at the beginning of the semester to the conductor of the ensemble his election of Marching Band for the HPE activity. He will then enroll in a regular HPE activity for the second nine weeks to complete credit in the course.

PHILOSOPHY

ASSOCIATE PROFESSOR GOODWIN (CHAIRMAN); PROFESSOR TUTTLE; ASSISTANT PROFESSORS CHINN, CORMIER, LINEBACK; INSTRUCTORS LITTLEFIELD, ROYSE.

201.* INTRODUCTION TO PHILOSOPHY. 3; I, II. Principal problems, divisions, types of philosophy related to contemporary institutions as discussed in the writings of selected philosophers representing Eastern and Western cultures. Staff.

202.* ETHICS. 3; II. An inquiry into the meaning of good and bad, right and wrong; consideration of the views of outstanding Greek, Christian, and modern thinkers on the nature of the good life. Staff.

203* (301). INTRODUCTION TO LOGIC AND THE SCIENTIFIC METHOD. 3; I, II. Language analysis, including ambiguity, levels of meaning, and figurative language; deductive, inductive reasoning. Staff.

204.* AESTHETICS. 3; II. The nature and meaning of "beauty," approached historically and applied to present-day experience. Courses in art and music appreciation and history are of value. Miss Cormier.

303.* SYMBOLIC LOGIC. 3; I. An introduction to the notation and proof procedures used by modern logicians to deal with special problems beyond the competence of traditional logic. Topics: propositional calculus, truth tables, predicate calculus, nature and kinds of logical proofs. Mr. Chinn, Mr. Lineback.

310* (321). HISTORY OF ANCIENT PHILOSOPHY. 3; I; offered in 1967-68 and in alternate years. The development of the concepts of stability, change, and interdependence from Thales to the fall of Rome, a study of the sources of modern economic, political, social, and religious ideas and practices. Miss Cormier, staff.

311.* HISTORY OF MEDIEVAL PHILOSOPHY. 3; II; offered in 1967-68 and in alternate years. A survey of the major philosophical positions of the Middle Ages starting with those of St. Augustine and ending with those of the Renaissance philosophers. Mr. Goodwin.

312.* HISTORY OF MODERN PHILOSOPHY. 3; I; offered in 1967-68 and in alternate years. A survey of western philosophical thought from the Renaissance to the end of the 19th century. Mr. Lineback, staff.

313.* CONTEMPORARY PHILOSOPHY. 3; II; offered in 1967-68 and in alternate years. Survey of western philosophy since 1900, with emphasis on logical positivism, analysis, phenomenology, and existentialism, and major philosophers in each school. Mr. Chinn, staff.

323.* HISTORY OF RELIGIONS. 3; I; offered in 1967-68 and in alternate years. A study of the "bibles" of seven major living religions of the Far East—Hinduism, Buddhism, Jainism, Confucianism, Taoism, Shintoism, and Sikhism—including inquiry into cultural backgrounds of India, China, and Japan. Staff.

324.* HISTORY OF RELIGIONS. 3; II; offered in 1967-68 and in alternate years. A study of the "bibles" of the four major living religions of the Near East—Zoroastrianism, Hebraism, Christianity, and Islam—including inquiry into the cultural backgrounds of Egypt, Babylonia, Israel, Greece, and Rome. Staff.

403.* ADVANCED SYMBOLIC LOGIC. 3; I. A study of the structure and properties of axiomatic systems including consistency and completeness, the theory of propositional and predicate logic, and related topics. Theory rather than problem solving is stressed. Prereq.: Phil. 303 or consent of instructor. Mr. Lineback.

411* (315). 17TH CENTURY PHILOSOPHY. 3; I; offered in 1968-69 and in alternate years. A consideration of the great philosophical systems of the period: Hobbes, Descartes, Spinoza, Locke, and Leibnitz. Prereq.: Phil. 201. Mr. Littlefield.

412.* EPISTEMOLOGY. 3; I; offered in 1967-68 and in alternate years. The origin, content, and validity of knowledge. Prereq.: Phil. 201 and 6 hours of history of philosophy, or consent of instructor. Miss Cormier.

414.* METAPHYSICS. 3; II. An examination in depth of the problems of Being and Becoming, The One and the Many, The Body-Mind Problem, The Infinite and Finite. Prereq.: Phil. 201 and 6 hours of history of philosophy, or consent of instructor. Mr. Goodwin.

415.* AMERICAN THOUGHT. 3; I. A survey of ideas of freedom from the earliest times through Thomas Paine, Thomas Jefferson, Ralph Waldo Emerson, Walt Whitman, and into the present. Mr. Goodwin.

417.* PHILOSOPHY OF RELIGION. 3; II; offered in 1968-69 and in alternate years. An historical study of the religious thoughts of the philosophers from ancient to modern times, the nature of religious knowledge, the existence of God, and the relation of God to the world. Prereq.: Phil. 201. Staff.

418.* PHILOSOPHY OF HISTORY. 3; I; offered in 1967-68 and in alternate years. An examination of the nature of historical knowledge and of certain metaphysically oriented theories of history. Miss Cormier.

423.* FAR EASTERN PHILOSOPHIES. 3; II; offered in 1968-69 and in alternate years. A survey of selected systems of philosophy in the wisdom of India and China, with emphasis on Vedanta, selected Sutras of Buddhism, Confucian pragmatism, and Taoist mysticism. Prereq.: Phil. 201. Staff.

431.* PHILOSOPHY OF THE PHYSICAL SCIENCES. 3; I. Philosophical consideration of methods, presuppositions, concepts of the physical sciences. Special problems: meanings of law, measurement, causality, prediction, reduction. Prereq.: one course in symbolic logic or consent of instructor. Mr. Chinn, Mr. Lineback.

432.* PHILOSOPHY OF THE BEHAVIORAL SCIENCES. 3; II. A philosophical consideration of the methods, presuppositions, and concepts of the behavioral sciences. Special problems: the meaning of life; the possibility of forming values; freedom and determinism in relation to problems of prediction; vitalism versus mechanism; the meaning of man and society. Prereq.: one course in symbolic logic or consent of instructor. Mr. Chinn, staff.

440.* SEMINAR IN PHILOSOPHY. 3; I. An examination in depth of one specific philosopher, philosophical movement, or problem. Determined by the needs and interests of the students. Prereq.: Phil. 201 and consent of instructor. Staff.

490.* READINGS AND RESEARCH. 1-3; I, II. Supervised independent work in selected areas of philosophy. Prereq.: 15 hours of philosophy and consent of chairman of the department. May be repeated to 6 hours. Staff.

PHYSICS

PROFESSORS SINGER (CHAIRMAN), D. BOWMAN; ASSOCIATE PROFESSOR SINGLETON; ASSISTANT PROFESSORS FLAMM, STONER; INSTRUCTORS R. HERBERT, HUNTINGTON; TECHNICIAN IN INSTRUMENTATION HERCZEG.

100.* INTRODUCTION TO PHYSICS. 3; I, II. For the non-science student; major principles and concepts of physics with emphasis on scientific approach to problems. Cannot be used as part of a major or minor. Staff.

110.* INTRODUCTION TO VECTOR PHYSICS. 2; I, II. Units, significant figures, use of slide rules, dimensional analysis, application of vectors and vector principles to forces and fields, work-energy-power, and conservation laws. Prereq.: Math. 123 or equivalent. Staff.

201.* COLLEGE PHYSICS. 5; I. Mechanics, heat, and sound. For the technical student. Four lecture-recitations and one three-hour laboratory period a week. Prereq.: a minimum grade of C in Physics 110; Math. 131. Staff.

202.* COLLEGE PHYSICS. 5; II. Magnetism, electricity, and light. Four lecture-recitations and one three-hour laboratory period a week. Prereq.: Physics 201; Math. 232. Staff.

203.* GENERAL PHYSICS. 4; I, II. Mechanics, heat, and sound. Three lecture-recitations and one three-hour laboratory period a week. Prereq.: Physics 110. Staff.

204.* GENERAL PHYSICS. 4; II. Magnetism, electricity, and light. Three lecture-recitations and one three-hour laboratory period a week. Prereq.: Physics 203. Staff.

205.* APPLIED MECHANICS. 3; II. Basic study of mechanics using the language of vector algebra; statics and dynamics of rigid bodies, force components and resultants, force, work, energy. Three lecture-recitations per week. Prereq.: Physics 201 and Math. 232. Staff.

302.* SOUND AND ULTRASONICS. 4; I; offered in 1967-68 and in alternate years. Theory and experiments in sound and wave motion including introduction to ultrasonic phenomena. Three lecture-recitations and one three-hour laboratory period a week. Prereq.: Math. 232; Physics 202 or 204. Mr. Singer.

303.* ELECTRONICS. 4; II. Discussion and laboratory practice in vacuum and gas discharge tube characteristics, transistors and associated circuitry. Two lecture-recitations and two three-hour laboratory periods a week. Prereq.: Math. 232; Physics 202 or 204. Mr. Singer.

304.* OPTICS AND SPECTROSCOPY. 4; I; offered in 1968-69 and in alternate years. Geometrical and physical optics and elementary theory and practice in spectroscopy. Three lecture-recitations and one three-hour laboratory period a week. Prereq.: Math. 232; Physics 202 or 204. Mr. Bowman.

305.* ANALYTICAL MECHANICS. 3; I; offered in 1968-69 and in alternate years. Theory and application of analytical mechanics, including Lagrange's functions, wave motion, and Hamiltonian equations. Three lecture-recitations per week. Prereq.: Math. 233; Physics 201 or consent of instructor. Mr. Stoner.

306.* INTERMEDIATE HEAT. 4; I; offered in 1967-68 and in alternate years. Thermodynamic laws, entropy, specific heats, vapor pressures, heat transfer, and thermometry. Three lecture-recitations and one three-hour laboratory period a week. Prereq.: Math. 232; Physics 202 or 204. Mr. Bowman.

307.* ADVANCED ELECTRICITY AND MAGNETISM. 3; II; offered in 1968-69 and in alternate years. Theory of electrostatic fields, electromagnetic induction, and application of Maxwell's equations. Three lecture-recitations a week. Prereq.: Math. 232; Physics 202 or 204. Mr. Singleton.

308.* ELECTRICAL MEASUREMENTS. 3; I. Measurement of resistance, current, potential, inductance, capacitance, and impedance. One lecture and two three-hour laboratory periods a week. Prereq.: Math. 232; Physics 202 or 204. Mr. Singer.

350.* ACOUSTICS OF MUSIC AND SPEECH. 3; II. Nature of vibration; sound waves; sources of musical sounds—strings, air columns, percussion, voice, noise; acoustics of rooms; recording, reproduction, and synthesis of sound. Not open to students majoring in physical science. Mr. Singer.

401.* MODERN PHYSICAL THEORY. 3; II; offered in 1967-68 and in alternate years. Brief resume of the trends of modern physical theory with emphasis on the reading of contemporary literature. Three lectures a week. Prereq.: one 300-level course in physics or consent of instructor. Mr. Bowman.

404.* ATOMIC PHYSICS. 4; II; offered in 1968-69 and in alternate years. A resume of phenomena leading to the present concepts of atomic structure. Three lecture-recitations and one three-hour laboratory period a week. Prereq.: one 300-level course in physics or consent of instructor. Mr. Bowman.

405.* WAVE MECHANICS. 3; II; offered in 1968-69 and in alternate years. Introduction to basic principles of wave mechanics. Phase space, Planck's assumptions, Bohr theory, Schrodinger equation, operator notation. Three lecture-recitations a week. Prereq.: Physics 305, Math 407. Mr. Stoner.

406.* NUCLEAR PHYSICS. 3; II; offered in 1967-68 and in alternate years. Introduction to nuclear structure and phenomena, nuclear reactions and elementary particle interactions and the methods of studying them. Three lecture-recitations per week. Prereq.: Math. 233, Physics 202 or 204 and 404. Staff.

407.* ELECTRICITY AND MAGNETISM. 3; II; offered in 1968-69 and in alternate years. Electromagnetic radiation including formulation and application of Maxwell's Equations. Three lecture-recitations per week. Prereq.: Physics 307. Staff.

408.* SOLID STATE PHYSICS. 3; II; offered in 1967-68 and in alternate years. Continuum and atomic theories of solids, lattice vibrations, specific heat of solids, electron theory of metals and semiconductors. Three lecture-recitations per week. Prereq.: Physics 404 or 405. Staff.

411.* X-RAYS. 3; I; offered in 1968-69 and in alternate years. Introduction to generation and uses of X-rays. Three lecture-recitations per week. Prereq.: Physics 202 or 204, Math. 233. Staff.

412.* MOLECULAR PHYSICS. 3; II; offered in 1967-68 and in alternate years. Analytical discussion of spectroscopy and structure of molecules. Three lecture-recitations per week. Prereq.: Physics 404 or 405. Staff.

413.* SENIOR PHYSICS LABORATORY. 1-6; I, II. Introduction to physical research; library and laboratory work. Prereq.: 18 hours of physics with good standing. Staff.

POLITICAL SCIENCE

ASSOCIATE PROFESSOR H. HAMILTON (ACTING CHAIRMAN); PROFESSORS BARRELL, CLAF-LIN, J. TIMM; ASSOCIATE PROFESSOR ABCARIAN; ASSISTANT PROFESSORS LANNING, MASAN-NAT; INSTRUCTORS EBERHARDT, MARLOWE, SUTPHEN.

GENERAL COURSES IN POLITICAL SCIENCE

101.* INTRODUCTION TO GOVERNMENT. 3; I, II. A survey of the nature, forms, basic institutions and processes of modern government. Open to students with majors or minors in any of the social science areas. Staff.

201.* AMERICAN GOVERNMENT: STRUCTURE AND PROCESS. 3; I, II. Meaning of democracy, development of American Democracy under the Constitution, its majority-rule features, minority-or-individual-right aspects, and representation of the people by legislatures, executives, and courts of national, state, and local governments. Staff.

202.* AMERICAN GOVERNMENT: FUNCTIONS AND POLICIES. 3; I, II. Administrative means and governmental policies of American Democracy for foreign affairs, national defense, nation-state and government-business relationships, and separate or integrated, national and state, regulation and operation in pursuit of the public interest. Staff.

400.* SEMINAR IN CONTEMPORARY POLITICAL SCIENCE. 3; II. Political science as a discipline and profession. Exploration of forms of political inquiry, research perspectives, scientific and methodological orientations toward values and scholarship; study of public and professional status of political science. Required of the political science major. Prereq.: 12 hours of political science. Mr. Abcarian.

POLITICAL THEORY

301.* MODERN POLITICAL IDEOLOGIES. 3; I, II. Examination of the develop-ment, theory and contemporary consequences of representative democratic and totalitarian political ideologies, including Democracy, Capitalism, Liberalism, Conservatism, Communism, Socialism and Fascism. Mr. Abcarian.

401.* WESTERN POLITICAL THOUGHT. 3; I. Analysis of the major figures and concepts of Western political theory, from classical Greece to the present. Prereq.: 6 hours in the social sciences. Mr. Abcarian.

402.* AMERICAN POLITICAL THOUGHT. 3; II. American political thought as reflected in colonial, Federalist, Civil War, and recent phases of American political life. Prereq.: 6 hours in the social sciences. Mr. Abcarian.

PUBLIC LAW

417* (405). CONSTITUTIONAL LAW. 3; I. Study of Supreme Court cases relating to U. S. governmental structure and relationships. Prereq.: P.S. 201. Mrs. Timm.

418* (406). CONSTITUTIONAL LAW. 3; II. Constitutional doctrines bearing on the relations between the individual and his government, as illustrated by key Supreme Court cases. Prereq.: P.S. 201. Mrs. Timm.

419* (407). JURISPRUDENCE. 3; I; offered in 1968-69 and in alternate years. A study of some of the leading theories, systems and concepts of the law and of the organization of the courts, with emphasis on Anglo-American thought and practice. Prereq.: 3 hours of political science. Mr. Claflin.

PUBLIC ADMINISTRATION

- 321* (303). PUBLIC ADMINISTRATION. 3; I. Nature and scope of public administration, administrative organization and reorganization, and controls exercised by, and imposed upon, administrators. Prereq.: P.S. 101 or 201. Mr. Hamilton.
- 420.* FISCAL ADMINISTRATION. 3; II. All phases of budgetary theory and practice in national, state, and city governments; some treatment of accounting and auditing practices, revenue administration, and fiscal administration in developing countries. Prereq.: P.S. 321 or consent of instructor. Mr. Hamilton.

AMERICAN GOVERNMENT

- 331* (302). STATE AND LOCAL GOVERNMENT. 3; I. Constitutions, law-making and administration in the states, state-local relations, corporations, charters, forms and functions of municipal government, county organization, and metropolitan problems, with emphasis on Ohio state and local government. Mr. Barrell.
- 440* (410). POLITICAL PARTIES. 3; II. The evolution, character, and organization of political parties, especially in the U. S., and their participation in nominations, campaigns, and elections. Prereq.: 6 hours of political science or History 205, 206 or 353, 354. Mr. Barrell.
- 441* (409). PUBLIC OPINION. 3; I. Study of development of political opinions, expression of opinions through media and interest groups, effectiveness of propaganda, efficacy of polls, and the role of public opinion in governmental systems. Prereq.: P.S. 101 or 201. Mr. Marlowe.
- 442.* VOTER BEHAVIOR. 3; II. A study of patterns of election participation and sources of partisan identification. An examination of the political uses and implications of voter behavior data. Prereq.: P.S. 201. Mr. Marlowe.
- 445* (408). LEGISLATIVE PROCESS. 3; I; offered in 1967-68 and in alternate years. Analysis of legislative behavior and decision making, forces involved in the formation of public policy, and proposed reforms of American legislatures. Prereq.: P.S. 101 or 201. Mr. Marlowe.
- 446* (411). PRESIDENT AND PRESIDENCY. 3; II; offered in 1967-68 and in alternate years. A study of the organization, functions, and powers of the President and Vice-President with special emphasis on their roles in the political process. Prereq.: P.S. 101 or 201. Mr. Marlowe.

COMPARATIVE GOVERNMENT

- 355.* GOVERNMENTS AND POLITICS OF LATIN AMERICA. 3; I. Introductory analysis of political systems of Latin America, including political cultures, interests, institutions, policies. Mr. Lanning.
- 356.* GOVERNMENTS AND POLITICS OF LATIN AMERICA. 3; II. Detailed analysis of specific political systems of Latin America, with concentration on Argentina, Brazil, Cuba, Mexico. Prereq.: P.S. 355 or consent of instructor. Mr. Lanning.
- 451* (413). BRITISH GOVERNMENT AND POLITICS. 3; I. An analysis of England's political background; the constitutional structure; the crown, ministry, and the public service; Parliament; parties and interest groups; the law and the courts; local government; and foreign relations. Mr. Masannat.
- 452* (414). GOVERNMENTS OF WESTERN EUROPE. 3; II. Comparative analysis of governmental systems of West Germany, France, and Italy; institutional structures and tendencies; political parties and interest groups; law and the courts; local government; and foreign affairs. Mr. Masannat.

454* (414). GOVERNMENT OF THE SOVIET UNION. 3; I. An analysis of government and politics of the Soviet Union that seeks to explain the rise, sources and nature of Communist ideology; institutional character; the theories, structure, and functioning of the Communist Party of the Soviet Union; satellites and foreign relations of the U.S.S.R. Mr. Masannat.

460.* POLITICS OF DEVELOPING NATIONS. 3; II. Comparative analysis of problems of the developing nations; the economic, social, and political transformation; the challenge of the old traditions, and the rise to power of new leaders. Mr. Masannat.

461* (427). GOVERNMENTS AND POLITICS OF THE MIDDLE EAST. 3; I. Analysis of the governmental and political processes of the Middle East with emphasis on Iran, Israel, Turkey, and the United Arab Republic. Mr. Masannat.

466* (428). GOVERNMENTS AND POLITICS OF SOUTHEAST ASIA. 3; II; offered in 1967-68 and alternate years. Analysis of governmental systems and political processes of Southeast Asia: Burma, Cambodia, India, Indonesia, Laos, Malaysia, Vietnam. Staff.

477.* INTER-AMERICAN RELATIONS. 3; I. Military, economic, political relations between the U.S. and Latin American countries. Prereq.: P.S. 101 or 201. Mr. Lanning.

INTERNATIONAL LAW AND RELATIONS

371* (415). INTERNATIONAL RELATIONS. 3; I. An analysis of the major forces influencing the relations of modern states, including nationalism, the balance of power, the struggle between democracy and totalitarianism, and modern weapons and warfare. Prereq.: History 152 or 3 hours of American or European history. Mr. Clafflin.

372* (416). INTERNATIONAL RELATIONS. 3; II. A consideration of the foreign policies and relations of the major powers. A survey of forces and factors operative since World War II. Prereq.: History 152 or 3 hours of American or European history. Mr. Clafflin.

374.* U.S. FOREIGN AND MILITARY POLICIES. 3; II. An analysis and evaluation of contemporary policies. Staff.

473* (403). INTERNATIONAL LAW. 3; I; offered in 1967-68 and in succeeding years. History, nature, sources, and applications of international law; treaties, membership in the international community, and territory; acquiring title, boundaries; territorial waters; air space jurisdiction. Mrs. Timm.

474* (404). INTERNATIONAL LAW. 3; II. Nationality; jurisdiction over nationals, territory, and vessels; jurisdictional immunities; diplomats and consuls; state responsibility and claims; force and war. Mrs. Timm.

475* (412). INTERNATIONAL ORGANIZATION. 3; I. An analysis and evaluation of the United Nations and other international organizations, and consideration of some of the main problems and concepts related to them. Prereq.: 6 hours of political science or 3 hours of political science and 3 hours in one of the following: History 152, 353, 354, 432, 457, 458. Mr. Clafflin.

READINGS AND SEMINARS

490.* INDIVIDUAL PROBLEMS. 1-3; I, II; offered on demand. Supervised individual readings to meet the student's need for extended reading in familiar areas or for exploratory readings in fields not covered by courses. Prereq.: consent of the department. Staff.

PSYCHOLOGY

PROFESSORS GUION (CHAIRMAN), ARNOLD, EXNER, FREEBURNE, LEVENTHAL, MCFALL, ROSENBERG, SCOTT, O. SMITH, P. SMITH, SUTTON-SMITH; ASSOCIATE PROFESSORS BADIA, BOND, GREENE, H. JOHNSON, WRIGHT; ASSISTANT PROFESSORS CRANNY, DOHERTY, EHRLICH, GUINAN, RAGUSA, SHERBERG, C. VALE, J. VALE; VISITING ASSISTANT PROFESSOR KAZAOKA.

201.* GENERAL PSYCHOLOGY. 3; I, II. Introductory course prerequisite to all courses in the department. Consideration of the scientific approach in the study of behavior. Applications to personal and social behavior. The psychology major should complete Psych. 201 in his freshman year. All students in the course are expected to take part in departmental research. Staff.

204.* DEVELOPMENTAL PSYCHOLOGY. 3; I, II. Origins of psychological processes and general genetic principles; development of the individual in physical, lingual, social, intellectual, emotional, and personal areas. Prereq.: Psych. 201. Staff.

209.* INTRODUCTION TO LABORATORY METHODS IN PSYCHOLOGY. 3; I, II. Training in the use of apparatus, handling of human and animal subjects, use of calculating machines, experimental control, elementary problems and data interpretation, and in writing of formal laboratory reports. Prereq.: Psych. 201, 270, or consent of instructor. Staff.

270.* QUANTITATIVE METHODS I. 3; I, II. Elementary coverage of descriptive and sampling statistics, including problems of measurement, analysis of frequency distributions, linear and rank-order correlation, prediction, and simple tests of significance. Not open to the student with credit for Soc. 270. Prereq.: Psych. 201 or consent of instructor. Staff.

302.* EDUCATIONAL PSYCHOLOGY. See Education 302. Credit not given for both Educ. 302 and Psych. 302. Mr. Bennett,† Mrs. Weber,† staff.

305.* PSYCHOLOGY OF PERSONALITY ADJUSTMENT. 3; I, II. Problems of personal adjustment. Related problems of theory and measurement of personality. Prereq.: Psych. 201. Staff.

310.* EXPERIMENTAL PSYCHOLOGY I: LEARNING AND THINKING. 3; I. Conditions and principles of conditioning, verbal and motor learning, concept formation, problem solving, semantic principles, related problems of forgetting. Individual laboratory hours to be arranged. Prereq.: Psych. 201, 270. Prereq. or parallel Psych. 209. Mr. Badia, Mr. Freeburne, Mr. Greene.

311.* EXPERIMENTAL PSYCHOLOGY II: MOTIVATION. 3; II. Physiological and psychological needs, drives, motives, and problems arising from frustration and conflict. Individual laboratory hours to be arranged. Prereq.: Psych. 201, 209, 270.

312.* EXPERIMENTAL PSYCHOLOGY III: SENSATION AND PERCEPTION. 3; II. Sensory and perceptual processes. Individual laboratory hours to be arranged. Prereq.: Psych. 201, 209, 270. Mr. Doherty, Mr. Greene.

351.* INDUSTRIAL AND BUSINESS PSYCHOLOGY. 3; I. Principles of psychology applied to industrial relations and to other business and industrial problems. Prereq.: Psych. 201. Mr. Cranny, Mr. Guion, Mrs. Smith.

403.* PERSONALITY THEORY. 3; I. A systematic study of the scientific constructs involved in personality theory. Various contemporary theories are considered together with their historical antecedents with particular assessment of their relationship to general psychology. Prereq.: 6 hours in psychology. Staff.

† Department of Education.

- 404.* **ADVANCED DEVELOPMENTAL PSYCHOLOGY.** 3; I. Individual development, its appraisal at particular age levels, and consideration of the major psychological theories of development. Prereq.: Psych. 201, 204. Mr. Sutton-Smith.
- 405.* **THE PSYCHOLOGY OF ABNORMAL BEHAVIOR.** 3; II. Consideration of data and principles which have proved helpful in interpreting deviations from normal behavior. Prereq.: Psych. 201. Mr. Bond, Mr. Exner, Mr. Johnson.
- 407.* **ADVANCED GENERAL PSYCHOLOGY.** 3; I. Review of the field of psychology, plus individual library and laboratory work on selected research topics. Two lecture hours a week; laboratory hours by arrangement. Prereq.: Psych. 201, 209, 270. Staff.
- 408.* **PHYSIOLOGICAL PSYCHOLOGY.** 3; I. Structure and function of the human central nervous system and its relation to behavior. Prereq.: Psych. 209.
- 442.* **THE PSYCHOLOGY OF CHILDLORE.** 3; II. Chronological and cross-cultural study of the childish imagination as expressed in belief, fantasy, and language; theoretical conceptions; relationship to the evaluation of children's literature and other activities. Prereq.: Psych. 201, 204. Suggested concurrents. English 342, Psych. 404, and Soc. 303. Mr. Sutton-Smith.
- 451.* **PERSONNEL TESTING TECHNIQUES.** 3; II. Tests and testing administration and validation methods applied to problems of personnel selection and placement. Prereq.: 9 hours of psychology, including Stat. 202 or Psych. 460 or equivalent, or consent of instructor. Mr. Guion.
- 460.* **INTRODUCTION TO PSYCHOLOGICAL TESTING.** 3; I, II. Theory and methods of measuring human behavior; survey of representative group tests of intelligence, interest, aptitude, and personality. Prereq.: Psych. 201. Staff.
- 463.* **THEORIES OF INTELLIGENCE.** 3; I. Traditional and current theories of intelligence are approached from the view of structure, development, and operation, with consideration of various techniques designed for evaluation of intellectual potential and intellectual functioning. Prereq. or parallel: Psych. 460 or Educ. 402. Mr. Exner, Mr. Kazaoka.
- 470.* **QUANTITATIVE METHODS II.** 3; II. Intermediate level courses in statistics. Non-parametric techniques, decision theory, theories and practices of tests of significance; introduction to multi-variance analysis. Three lecture hours and one laboratory hour per week. Prereq.: Psych. 270 or consent of instructor. Mr. Doherty, Mr. Freeburne, Mrs. Vale.
- 490.* **SPECIAL PROBLEMS IN PSYCHOLOGY.** 1-3; I, II. Supervised independent minor research or intensive reading on selected problems in psychology. No student may register for this course without prior written approval of the topic and number of hours from appropriate instructor and department chairman. May be repeated to 6 hours. Staff.

ROMANCE LANGUAGES

ASSOCIATE PROFESSORS M. J. FLYS (CHAIRMAN), BAIRD, BAYNARD, WOLFE; ASSISTANT PROFESSORS PALLISTER, POVSIĆ, D. PRETZER, STEPHAN, J. SZERTICS; INSTRUCTORS BEATTIE, †† CARTER, M. FLYS, GHIBAUDO, S. SZERTICS; PART-TIME INSTRUCTOR J. HILLOCKS; † VISITING LECTURERS BALLESTEROS, ESCOBAR.

†First semester 1966-67.

††Second semester 1966-67.

Courses in French, Latin, and Spanish for the beginning and advanced student. Elementary and intermediate Italian are offered. One year of high school study of a language is equivalent to one semester of college credit, but proficiency will be examined for advanced placement in college.

Credit will not be allowed toward graduation for a beginning language course when the equivalent credit has been accepted from high school as part of admission credits. No credit is allowed toward graduation for less than one year in beginning a foreign language.

The department conducts programs abroad in Tours, France, and Madrid, Spain.

COURSES IN FRENCH

101.* ELEMENTARY FRENCH. 3; I, II. Beginning oral-aural study of the language, with attention to grammar and reading. Three class periods and scheduled oral practice each week. Staff.

102.* ELEMENTARY FRENCH. 3; I, II. Continuation of French 101. Three class periods and scheduled oral practice each week. Prereq.: French 101 or one year of French in high school or equivalent. Staff.

201.* INTERMEDIATE FRENCH. 3; I, II. Three class periods and scheduled oral practice each week. Prereq.: French 102 or two years of French in high school or equivalent. Staff.

202.* INTERMEDIATE FRENCH. 3; I, II. Continuation of French 201. Three class periods and scheduled oral practice each week. Prereq.: French 201 or three years of French in high school or equivalent. Staff.

313.* INTRODUCTION TO FRENCH LITERATURE. 3; I, II. A chronological evaluation of outstanding works in French literature. Designed to give insight into the various movements and genres. Prereq.: French 202 or four years of French in high school or equivalent. Staff.

314.* FRENCH COMPOSITION AND CONVERSATION. 3; I, II. Intended for the improvement of oral and written skills in the language. Prereq.: French 202 or equivalent. Staff.

315.* FRENCH PHONETICS. 3; I, II. A practical study of French pronunciation and the fundamental principles of syllabification, stress, linking, and intonation. Prereq.: French 202 or equivalent. Staff.

316.* FRENCH CIVILIZATION. 3; I, II. A survey of the political, social, intellectual, and artistic life of the French people intended as background for literary studies and as preparation for the teaching of French. Prereq.: French 202 or equivalent. Staff.

401.* FRENCH LITERATURE OF THE 17TH CENTURY I. 3; I; offered in 1968-1969 and in alternate years. A depth study in literature of the baroque age and in the formation of the classical movement, emphasizing the works of Corneille. Prereq.: French 313. Staff.

402.* FRENCH LITERATURE OF THE 17TH CENTURY II. 3; II; offered in 1968-69 and in alternate years. A depth study in the literature of the classical period, emphasizing the works of Racine and Moliere. Prereq.: French 313. Staff.

403.* FRENCH LITERATURE OF THE 19TH CENTURY I. 3; I; offered in 1967-68 and in alternate years. Study of major writers, works, and literary movements of the first half of the century, with attention to techniques of literary expression; Romanticism and Realism. Prereq.: French 313. Staff.

404.* FRENCH LITERATURE OF THE 19TH CENTURY II. 3; II; offered in 1967-68 and in alternate years. The major writers, works, and literary movements of the latter half of the century; the Parnassian poets, Naturalism, and Symbolism. Prereq.: French 313. Staff.

408.* FRENCH LITERATURE OF THE 18TH CENTURY. 3; I; offered in 1967-68 and in alternate years. A study of the principal authors of the period, especially Voltaire, Rousseau, and Diderot. Prereq.: French 313. Staff.

412.* FRENCH LITERATURE OF THE 20TH CENTURY I. 3; I; offered in 1968-69 and in alternate years. Works of outstanding novelists and essayists, including Proust, Gide, Mauriac, Sartre, Camus. Prereq.: French 313. Staff.

413.* FRENCH LITERATURE OF THE 20TH CENTURY II. 3; II; offered in 1968-69 and in alternate years. Works of outstanding playwrights and poets, including Claudel, Giraudoux, Montherlant, Genet, Valéry, Péguy. Prereq.: French 313. Staff.

414.* ADVANCED COMPOSITION AND CONVERSATION. 3; I; offered in 1968-69 and in alternate years. Aimed at developing increased speaking fluency and facility in original written composition without recourse to translation. Prereq.: French 314 or consent of instructor. Staff.

415.* APPLIED LINGUISTICS. 3; I; offered in 1967-68 and in alternate years. Structural grammar stressing principles and application of linguistic techniques in the study of morphemic, syntactical, and semantic elements of current practice in language learning. Linguistic differences between French and English are stressed. Prereq.: French 202 or equivalent. Staff.

420.* FRENCH LITERATURE: ADVANCED STUDIES. 3; II. Intensive study of an author, a literary school, a genre, or a selected theme. May be repeated to 6 hours if topics are clearly different. Prereq.: French 313 and consent of instructor. Staff.

491.* READINGS IN FRENCH LITERATURE. 1-3; I, II. Independent reading for the advanced student who wishes to study a special period or a great author. Prereq.: four years of French or the equivalent, and consent of instructor. Staff.

COURSES IN ITALIAN

101.* ELEMENTARY ITALIAN. 3; I. Beginning oral-aural study of the language, with attention to grammar and reading. Three class periods and scheduled oral practice each week. Staff.

102.* ELEMENTARY ITALIAN. 3; II. Italian 101 cont'd. Three class periods and scheduled oral practice each week. Prereq.: Ital. 101 or one year of Italian in high school or equivalent. Staff.

201.* INTERMEDIATE ITALIAN. 3; I. Three class periods and scheduled oral practice each week. Prereq.: Ital. 102 or two years of Italian in high school or equivalent. Staff.

202.* INTERMEDIATE ITALIAN. 3; II. Italian 201 cont'd. Three class periods and scheduled oral practice each week. Prereq.: Ital. 201 or three years of Italian in high school or equivalent. Staff.

COURSES IN LATIN

105.* ELEMENTARY LATIN. 3; I. Beginning study of the language with appropriate attention to grammar, reading, and translation of simple texts. Three class periods and scheduled laboratory practice each week. Mr. Povsic.

106.* ELEMENTARY LATIN. 3; II. Continuation of Latin 105. Three class periods and scheduled laboratory practice each week. Prereq.: Latin 105 or equivalent. Mr. Povsic.

205.* INTERMEDIATE LATIN. 3; I. Review of grammar with emphasis on syntax and readings of Cicero and other authors. Prereq.: Latin 106 or equivalent. Mr. Povsic.

- 206.* INTERMEDIATE LATIN. 3; II. Continuation of Latin 205. Prereq.: Latin 205 or equivalent. Mr. Povsic.
- 314.* LATIN PROSE COMPOSITION. 3; I. Systematic study and practical application of Latin syntax with emphasis on word order and sentence structure. Prereq.: Latin 206 or equivalent. Mr. Povsic.
- 401* (102). VIRGIL, THE AENEID. 3; II; offered in 1968-69 and in alternate years. Content of the Aeneid, metrical reading and translation of the first book and parts of the first six books. Prereq.: Latin 314 or equivalent. Mr. Povsic.
- 402* (201). CICERO'S ESSAYS. 3; I; offered in 1968-69 and in alternate years. A study of two representative works in this field. Prereq.: Latin 314 or equivalent. Mr. Povsic.
- 403* (202). HORACE. 3; I; offered in 1967-68 and in alternate years. Metrical reading, translation, and evaluation of representative works. Prereq.: Latin 314 or equivalent. Mr. Povsic.
- 404* (301). LIVY. 3; II; offered in 1967-68 and in alternate years. Reading, translation, and evaluation of some of the most significant parts of his *Historiae*. Prereq.: Latin 314 or equivalent. Mr. Povsic.
- 411* (212). CLASSICAL MYTHOLOGY. 3; II; offered in 1968-69 and in alternate years. A study in English of Greek and Roman myths, their historical meaning, and their influence on life, literature, and art. No knowledge of Latin is required. Mr. Povsic.
- 412* (312). ROMAN LIFE. 3; II; offered in 1967-68 and in alternate years. A study in English of the daily life and customs in Rome as described in literature and attested by history and art. No knowledge of Latin is required. Mr. Povsic.
- 491.* READINGS IN LATIN LITERATURE. 1-3; I, II. Advanced reading for students who wish to study a special period or a great author. Prereq.: four years of Latin or equivalent and consent of instructor. Mr. Povsic.

COURSES IN SPANISH

- 101.* ELEMENTARY SPANISH. 3; I, II. Beginning oral-aural study of the language, with attention to grammar and reading. Three class periods and scheduled oral practice each week. Staff.
- 102.* ELEMENTARY SPANISH. 3; I, II. Continuation of Spanish 101. Three class periods and scheduled oral practice each week. Prereq.: Spanish 101 or one year of Spanish in high school or the equivalent. Staff.
- 201.* INTERMEDIATE SPANISH. 3; I, II. Three class periods and scheduled oral practice each week. Prereq.: Spanish 102 or two years of Spanish in high school or equivalent. Staff.
- 202.* INTERMEDIATE SPANISH. 3; I, II. Continuation of Spanish 201. Three class periods and scheduled oral practice each week. Prereq.: Spanish 201 or three years of Spanish in high school or equivalent. Staff.
- 313.* INTRODUCTION TO SPANISH LITERATURE. 3; I, II. A chronological evaluation of outstanding works in Spanish literature. Designed to give insight into the various movements and genres. Prereq.: Spanish 202 or four years of Spanish in high school or equivalent. Staff.
- 314.* SPANISH COMPOSITION AND CONVERSATION. 3; I, II. Improvement of oral and written skills in the language. Prereq.: Spanish 202 or equivalent. Staff.
- 316.* HISPANIC CIVILIZATION. 3; I, II. A survey of the political, social, intellectual, and artistic life of Spain and Spanish America. Essential background for

literature students and for those preparing to teach Spanish. Prereq.: Spanish 202 or equivalent. Staff.

401.* SPANISH LANGUAGE AND LITERATURE IN THE MIDDLE AGES. 3; I; offered in 1967-68 and in alternate years. A study of the development of the Spanish language and literature from the earliest period to the Renaissance. Prereq.: Spanish 313. Staff.

402.* SPANISH LITERATURE OF THE 18TH AND 19TH CENTURIES. 3; II; offered in 1967-68 and in alternate years. The most outstanding works of prose fiction, poetry, and drama, with reference to the social, political, and philosophical ideas of the period. Prereq.: Spanish 313. Staff.

403.* SPANISH LITERATURE OF THE GOLDEN AGE I. 3; I; offered in 1968-69 and in alternate years. A study of the principal types of prose fiction in the Golden Age of Spanish literature, emphasizing the picaresque novel and the writings of Cervantes. Prereq.: Spanish 313. Staff.

404.* SPANISH LITERATURE OF THE GOLDEN AGE II. 3; II; offered in 1968-69 and in alternate years. A study of poetry and drama in the Golden Age of Spanish literature, with emphasis on the works of Lope de Vega and Calderon. Prereq.: Spanish 313. Staff.

409.* GENERATION 1898 AND MODERNISM. 3; I; offered in 1967-68 and in alternate years. A comparative study of the literary production of representative essayists, novelists, and poets at the turn of the century in Spain. Prereq.: Spanish 313. Staff.

412.* CONTEMPORARY SPANISH LITERATURE. 3; II; offered in 1967-68 and in alternate years. The most important works of prose fiction, lyric poetry, and drama of contemporary Spain. Prereq.: Spanish 313. Staff.

414.* ADVANCED COMPOSITION AND CONVERSATION. 3; I; offered in 1968-69 and in alternate years. Aimed at developing increased speaking fluency and facility in original written composition without recourse to translation. Prereq.: Spanish 314 or consent of instructor. Staff.

415.* APPLIED LINGUISTICS. 3; I; offered in 1967-68 and in alternate years. Structural grammar stressing principles and application of linguistic techniques in the study of morphemic, syntactical, and semantic elements of current practice in language learning. Linguistic differences between Spanish and English are stressed. Prereq.: Spanish 202 or equivalent. Staff.

417.* SPANISH AMERICAN LITERATURE I. 3; I; offered in 1968-69 and in alternate years. A study of the writers and works which best reflect the spirit of Spanish America from the time of discovery through the mid-19th century. Prereq.: Spanish 313. Staff.

418.* SPANISH AMERICAN LITERATURE II. 3; II; offered in 1968-69 and in alternate years. A study of the outstanding writers and works of Spanish-America from the rise of modernism to the present time. Prereq.: Spanish 313. Staff.

420.* SPANISH LITERATURE: ADVANCED STUDIES. 3; II. Intensive study of an author, a literary school, a genre, or a selected theme. May be repeated to 6 hours if topics are clearly different. Prereq.: Spanish 313 and consent of instructor. Staff.

491.* READINGS IN SPANISH LITERATURE. 1-3; I, II. Independent reading for the advanced student who wishes to study a special period or a great author. Prereq.: four years of Spanish or the equivalent, and consent of instructor. Staff.

RUSSIAN (See German and Russian.)

SOCIOLOGY

PROFESSORS BALOGH (CHAIRMAN), LONGWORTH,** SCHNUR; ASSOCIATE PROFESSORS T. GROAT, NEAL, J. PERRY; ASSISTANT PROFESSORS J. KIVLIN,** E. SMITH, SNYDER, TOMEH; VISITING ASSISTANT PROFESSOR SILVERSTEIN; INSTRUCTORS BICKFORD, BLISS, MCVICKER, A. MOHSEN, S. MOHSEN, RAYMOND; PART-TIME INSTRUCTOR BEAUSAY.‡

201.* PRINCIPLES OF SOCIOLOGY. 3; I, II. Group relationships; social organization; social processes. Prereq.: sophomore standing. Staff.

202.* SOCIAL PROBLEMS. 3; I, II. Social maladjustments in current American life. Prereq.: Soc. 201, sophomore standing. Staff.

206.* METHODS OF SOCIOLOGY. 3; II. The study of basic sociological concepts with attention to sociological methods and research. Prereq.: Soc. 201. Mr. Perry, Mr. Silverstein, Miss Tomeh.

230.* INTRODUCTION TO ANTHROPOLOGY. 3; I, II. Pre-literate cultures and their significance to an understanding of modern life. Prereq.: Soc. 201 or consent of instructor. Mr. McVicker, Mrs. Mohsen.

270* (468). INTRODUCTION TO QUANTITATIVE METHODS. 3; I, II. See Psych. 270. Not open to students with credit for Psych. 270. Staff.

301.* SOCIAL PSYCHOLOGY. 3; I, II. Group behavior in our own and in other cultures. Prereq.: Psych. 201, Soc. 201. Mr. Neal, Mr. Smith, Miss Tomeh.

302.* MARRIAGE RELATIONSHIPS. 3; I, II. Association and adjustment of individuals before and after marriage. Open only to juniors and seniors. Mr. Bliss, Mr. Snyder.

311.* THE COMMUNITY. 3; I, II. An analysis of communal life from its beginnings in the folk society, emphasizing contemporary urban-metropolitan communities, folk-urban contrasts, community types, functions, structure, systems, from ecological and social viewpoints. Prereq.: Soc. 201. Mr. Bliss, Mr. Groat.

316.* SOCIAL SERVICE FIELD WORK. 3; offered on demand. Service is in an approved social institution. Recommended for the student who plans social work as a profession. Arrangements (usually for full-time summer service) must be approved in advance by department chairman. Prereq.: junior standing, 6 hours of sociology. Mr. Raymond.

323.* INTRODUCTION TO SOCIAL WORK. 3; I. An analysis of the development, nature, and fields of social work; basic skills and concepts. Recommended for the student who is considering social work as a profession. See Soc. 423. Prereq.: 6 hours of sociology or consent of instructor. Mr. Bliss, Mr. Raymond.

331.* STUDIES IN PRIMITIVE CULTURES. 3; I. A comparative and intensive study of the culture of selected primitive societies. Prereq.: Soc. 230 or consent of instructor. Mr. McVicker, Mr. Neal.

401.* CRIMINOLOGY. 3; II. The nature, causes, treatment, and prevention of crime. Mr. Balogh, Mr. Schnur.

402.* THE FAMILY. 3; I. Historical background, functions, and their variations; changes and trends; research. Prereq.: Soc. 201 or consent of instructor. Staff.

405.* POPULATION PROBLEMS. 3; I, II. Population growth and distribution and their bearing on current economic, political, and social problems. Prereq.: Soc. 201 or consent of instructor. Mr. Groat, Mr. Perry, Miss Tomeh.

**On leave 1966-67.

‡First semester 1966-67.

- 406.* MAJOR MINORITY GROUPS. 3; II. Study of the problem and adjustments of the major minority groups in American society, and the conditions that favor and hinder the acceptance of such minorities as equal, integral elements in the national population. Mr. Balogh, Mr. Silverstein, Mr. Snyder.
- 408.* JUVENILE DELINQUENCY. 3; I. Analysis and processes of development, treatment, and control of juvenile delinquency. Mr. Balogh, Mr. Raymond, Mr. Schnur.
- 409.* CHILD WELFARE. 3; I. Historical and contemporary survey of social services relating to the dependent and neglected child. Prereq.: 6 hours of sociology or consent of instructor. Mr. Bliss, Mr. Raymond.
- 410.* PUBLIC WELFARE. 3; II. Development and organization of the welfare movement; social legislation relating to the individual and to federal, state, and local agencies. Prereq.: 6 hours of sociology or consent of instructor. Mr. Bliss, Mr. Raymond.
- 413.* SOCIAL THEORIES. 3; I. Theories and trends of social thought in the rise and development of sociology. Prereq.: 12 hours of sociology including Soc. 201 and 206. Mr. Balogh, Mr. Neal, Mr. Smith.
- 414.* SOCIAL RESEARCH. 3; I. Methods and application of research in analysis of social phenomena. Applied study of form and bibliographical practices in writing research papers and theses. Credit for this course or equivalent is a prerequisite to registration for work on the master's thesis. Prereq.: 6 hours of sociology. Mr. Perry, Miss Tomeh.
- 415.* PENOLOGY. 3; II. A socio-psychological approach to the origins and development of federal, state, and local penal institutions. Mr. Balogh, Mr. Schnur.
- 418.* SOCIAL CHANGE. 3; I. Processes of social change; the rational direction of society. Prereq.: 6 hours of sociology. Mr. Neal, Mr. Smith.
- 423.* SOCIAL WORK FIELD OBSERVATION AND ORIENTATION. 3; I, II. field experience for students for whom placement can be arranged in an approved agency. One full day per week plus scheduled individual conferences. Prereq. or parallel: Soc. 323, consent of department chairman. Mr. Raymond.
- 440.* PRIMITIVE RELIGION. 3; II. Factors accounting for the universality of religion as well as differences in particulars; varieties of belief about the sacred and the profane; myths and rituals; persistence and change in religious systems. Prereq.: Soc. 230 or consent of instructor. Mr. McVicker, Mr. Neal.
- 452.* ORGANIZED CRIME. 3; I. The analysis of societal dysfunction and contemporary American crime. Mr. Balogh, Mr. Schnur.
- 454.* PROBATION AND PAROLE. 3; II. Principles involved in the rehabilitation of law violators and the field of corrections. Mr. Balogh, Mr. Schnur.
- 456.* CRIMINAL LAW. 3; I. The history and philosophy of law and order; crime and the theory of punishment. Mr. Balogh.
- 458.* CRIMINAL INVESTIGATION. 3; II. The systematic utilization of physical evidence which links the criminal to his crime. Staff.
- 490.* READINGS AND RESEARCH. 1-3; I, II. Supervised independent work in selected areas. Extensive reading of the more advanced literature in a particular field or carefully planned research. Prereq.: consent of instructor. May be repeated to 6 hours. Staff.

SPANISH (See Romance Languages.)

SPEECH

PROFESSORS MIESLE (CHAIRMAN), DEE, HYMAN, YEAGER; VISITING PROFESSOR SUMMERS;‡ ASSOCIATE PROFESSORS BAUER, GREINER, HEPLER, HERMAN, OBEE, STONE, TUCKER; ASSISTANT PROFESSORS BOUGHTON, P. BROWN, R. CLARK, CHENEY, EGAN, FINDLAY, KEPKE, KOUTSTAAL, NEIDECKER, SHINE; INSTRUCTORS BLUBAUGH, MILLAR, OBER, TSUBAKI, UNGURAIT; PART-TIME INSTRUCTOR TRAUTWEIN.‡‡ WBGU-TV: OPERATIONS MANAGER SCHUBERT; PRODUCER-DIRECTORS FURMAN, GARGASZ; BROADCASTING CHIEF ENGINEER LEUTZ; ENGINEERS FOGT, JARVI, KONECNY.

COURSES IN PUBLIC ADDRESS

102.* PRINCIPLES OF SPEECH. 3; I, II. Basic principles of oral communication, with attention to individual needs. Inadequate speakers may be transferred to Guidance and Counseling 121 or 122. Mr. Bauer, Mr. Shine.

103.* ARGUMENTATION. 2; I, II. Basic principles of argumentation with emphasis on analysis, evidence, reasoning, and refutation. Attention to application of these principles to various forms of public address. Mr. Millar.

110.* INTERCOLLEGIATE FORENSIC ACTIVITIES. 1; I, II. For the student who wishes to compete in intercollegiate debate, discussion, oratory, extemporaneous speaking, and other individual events. Meets two hours a week. May be repeated to 2 hours. Prereq.: consent of director of forensics. Mr. Millar.

203.* PRINCIPLES OF DISCUSSION. 3; I, II. Principles and methods of group discussion. Mr. Ober.

212.* BUSINESS AND PROFESSIONAL SPEECH. 2; I, II. Principles of conference speaking in business, educational, industrial, and professional situations. Staff.

214.* PARLIAMENTARY PROCEDURE. 1; I, II. Proper procedures in conducting business meetings; formation of organizations; the writing of constitutions. Recommended for the student who holds or expects to hold an office in a campus organization. Staff.

303.* PERSUASION. 3; I. Analysis, composition, and delivery of persuasive speeches, with attention to audience analysis and to logical, emotional, and ethical proofs. Staff.

304.* LEADERSHIP IN GROUP COMMUNICATION. 3; I. Conceptions, methods, and techniques of leadership as related to group communication process. Prereq.: Speech 203. Mr. Ober.

305.* THE SEMANTICS OF ORAL DISCOURSE. 3; II. Patterns of human evaluations and misevaluations as reflected in oral discourse. Includes discussion of fact-inference, allness, projection, signal and symbol reactions, and two-valued orientation. Mr. Bauer.

310.* INTERCOLLEGIATE FORENSIC ACTIVITIES. 1; I, II. Similar to Speech 110, but for juniors and seniors. Meets two hours a week. May be repeated to 2 hours. Prereq.: consent of director of forensics. Mr. Millar.

402.* HISTORY OF PUBLIC ADDRESS. 3; II. Biographies, methods of speaking, and noted addresses of the world's great orators, past and present. Mr. Yeager.

‡First semester 1966-67.

‡‡Second semester 1966-67.

COURSES IN GENERAL SPEECH

- 202.* ORAL INTERPRETATION. 3; I, II. Logical and emotional meaning in prose, poetry, and drama for oral reading; selection of materials for programs; techniques of expression. Miss Cheney.
- 226.* PHONETICS. 3; I, II. Fundamental principles of production and recognition of the sounds of spoken English; application to acting, interpretation, broadcasting, and speech correction. Staff.
- 302.* ADVANCED ORAL INTERPRETATION. 3; I, II. Analysis and communication of logical and emotional meaning as found in significant literature. Experimentation with various forms of oral interpretation such as Reader's Theatre, choral reading, television and radio. Emphasis on advanced, individualized work. Miss Cheney.
- 456.* ADVANCED PHONETICS. 3; I or II. Instruments and methodologies used in voice science; review of literature in this field; laboratory projects. Broad transcription with limited practice in narrow transcription. Mr. Koutstaal.
- 490.* PROBLEMS IN SPEECH. 2-3; I, II. For the advanced student who wishes to do intensive study in public address, radio and television, theatre, or therapy, independently or in conjunction with courses regularly being offered. May be repeated. Prereq.: consent of the department. Staff.

COURSES IN THEATRE

- 141.* INTRODUCTION TO DRAMATIC ART. 3; I, II. History of the theatre; dramatic literature from the point of view of production, stagecraft, acting, and directing. Staff.
- 146.* DRAMATIC PRODUCTION. 1-3; summer. For the student who acts in or stages a play in the Campus Summer Theatre or Huron Playhouse. Staff.
- 241.* PRINCIPLES OF ACTING. 3; I. Basic acting techniques with emphasis on stage movement and voice; principles and theories of sensory, imaginative, emotional and pantomimic responsiveness. Laboratory hours to be arranged. Staff.
- 242.* THEORIES OF CHARACTERIZATION. 3; II. Study and experimentation with various theories concerned with the preparation of roles; special performance characteristics of tragedy, comedy, melodrama, and farce; techniques of historical and modern styles. Laboratory hours to be arranged. Prereq.: Speech 241 or consent of instructor. Staff.
- 243.* STAGECRAFT AND LIGHTING. 3; I, II. Theories and techniques of designing, building, painting, and lighting of stage settings; organization and operation of production crews; make-up and costuming. Laboratory hours to be arranged. Mr. Hepler.
- 341.* DIRECTING. 3; I, II. Theory and technique of play production. Laboratory hours to be arranged. Mr. Miesle.
- 342.* ADVANCED DIRECTING. 3; II. A continuation of Speech 341. Each student directs at least one play. Laboratory hours to be arranged. Prereq.: Speech 341. Mr. Kepke.
- 346.* DRAMATIC PRODUCTION. 1-3; summer. Similar to Speech 146, but for juniors and seniors. Staff.
- 347.* MAJOR PERIODS OF THEATRICAL HISTORY. 3; II. History of theatrical production (stage and auditorium architecture, machinery, scenery, lighting, costumes, acting and directing), in selected periods, 5th century B.C.-present. Staff.

348.* THE LITERATURE OF THE THEATRE. 3; I. A survey of the major dramatists, dramatic critics, and dramatic theorists from the Greeks to the present. Emphasis is on the relationship between theory, criticism, and playwriting. Staff.

445.* ADVANCED TECHNIQUES IN STAGECRAFT AND LIGHTING. 3; I. The application of basic theory to complex forms of staging required by particular styles of modern and historical production; techniques in designing scenery and lighting; fabrication and handling of equipment, materials, and rigging. Mr. Tsubaki.

446.* ADVANCED DRAMATIC PRODUCTION. 3-6; offered in Summer Theatre. Advanced theory and practice in acting, directing, stagecraft, lighting, and theatre management. Staff.

COURSES IN RADIO AND TELEVISION

261.* RADIO AND TELEVISION BROADCASTING. 3; I, II. Analysis of operational procedures in stations and networks; growth and development of the radio and television industries and their place in modern society. Staff.

262.* INTRODUCTION TO BROADCAST ANNOUNCING. 3; II. Broadcast announcing styles; principles and practices of announcing including articulation, vocabulary, pronunciation. Mr. Clark.

361.* RADIO WRITING AND PRODUCTION. 3; I. Writing, production and direction of various types of radio programs; emphasis on writing and producing the radio documentary and drama. Prereq.: Speech 262 or consent of instructor. Mr. Clark.

363.* TELEVISION STUDIO OPERATIONS AND PROGRAMS. 3; I, II. Basic theory for use of studio facilities in program production situations; basic experience in operating camera chains, microphones, settings, properties, films, and music; analysis of program needs. Staff.

364.* ADVANCED TELEVISION PRODUCTION AND FILM TECHNIQUE. 3; II. Continuation of Speech 363. Television program writing, producing, directing, performing; theory, techniques of film making. Prereq.: Speech 363. Mr. Clark.

368.* RADIO WORKSHOP. 1-2; I, II. Development of program ideas through all stages of planning, writing, and directing the finished program. Emphasis upon individual program projects for possible use on Station WBGU. May be repeated to 3 hours. Mr. Stone.

468.* TELEVISION WORKSHOP. 1-2; I, II. Development of program ideas through all stages of planning, writing, and directing the finished program. Emphasis is on individual program projects for possible use on WBGU-TV. May be repeated to 3 hours. Prereq.: Speech 364. Staff.

COURSES IN SPEECH AND HEARING THERAPY

223.* SPEECH AND HEARING PROBLEMS. 3; I, II. Speech and hearing abnormalities; nature, diagnosis, and general remedial treatment. Clinical observation required. Staff.

324.* HEARING AND AUDIOMETRY. 3; II. Anatomy and function of the ear; administration and interpretation of hearing tests. Mr. Egan.

325.* SPEECH PATHOLOGY. 3; II. An advanced study of organic disorders of speech. Prereq.: Speech 223 or consent of instructor. Mr. Hyman.

328.* AURAL REHABILITATION. 3; I. Acoustic amplification in hearing therapy; selection and use of hearing aids; auditory training for the hard of hearing. Prereq.: Speech 324 or consent of instructor. Mr. Egan.

330.* VOICE PROBLEMS. 3; I. Functional and organic aspects of voice problems in children and adults, etiologies, diagnoses and therapy. Mr. Hyman.

331.* DISORDERS OF SPEECH. 3; I, II. Etiologies, diagnoses, and therapeutic techniques for problems of articulation; clinical observation required. Prereq.: Speech 223. Staff.

332.* STUTTERING. 2; II. Theories and therapies of stuttering, discussion of diagnostic procedures, counseling techniques and research studies. Prereq.: Speech 223. Miss Neidecker.

422.* ANATOMY AND PHYSIOLOGY OF THE VOCAL MECHANISM. 3; I. The neuromuscular system involved in breathing, phonation, and articulation; physiological aspects of speech production. Laboratory period. Prereq.: Speech 223 or Biol. 111 or consent of instructor. Staff.

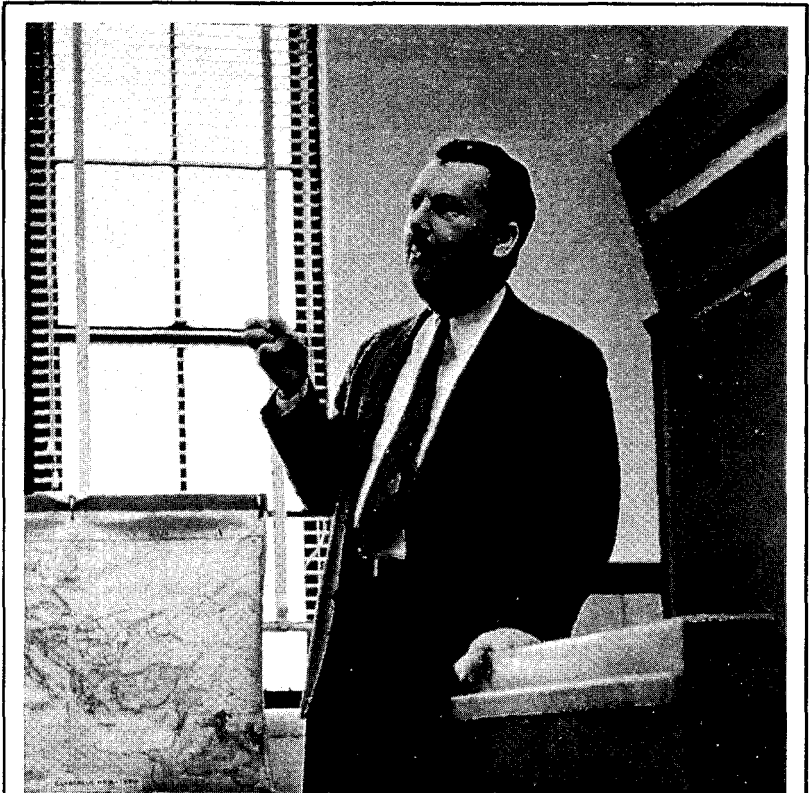
423.* PRINCIPLES OF SPEECH CORRECTION. 3; I, II. A lecture-demonstration course dealing with the recognition, etiologies, and diagnoses of speech and hearing defects. Discussion of therapeutic techniques in correcting speech defects. Not open to the student with credit for Speech 223. Staff.

425. CLINICAL PRACTICE IN THE PUBLIC SCHOOL SPEECH CLINIC. 3; I, II. Participation in the various aspects of the school speech and hearing program; administering therapy under the supervision of a qualified therapist. Prereq.: Speech 324, 325, 331, 332 and 435. Subject to a laboratory fee. Miss Neidecker.

426.* PRACTICUM IN THE COLLEGE SPEECH AND HEARING CLINIC. 2; I, II. Laboratory experience with children and adults. One lecture and two laboratory periods per week. Prereq.: Speech 331 or 332 or 433. May be repeated to 4 hours. Miss Brown.

433.* SPEECH READING. 3; II. History and development of methods of speech reading (lip-reading); theory of speech reading as part of the rehabilitation process of the hard-of-hearing and deaf; practice in teaching of speech reading. Staff.

435.* PROCEDURES IN THE DEVELOPMENT OF A SPEECH AND HEARING PROGRAM. 2; I, II. The organization, operation and management of a public school speech and hearing therapy program. Prereq.: 9 hours of basic speech and hearing courses. Miss Neidecker.



FACULTY AND ADMINISTRATION

ADMINISTRATION AND FACULTY

BOARD OF TRUSTEES*

SUMNER CANARY, 1968, *Cleveland, Ohio, President*
ANITA S. WARD, 1967, *Columbus, Ohio, Vice President*
DONALD G. SIMMONS, 1969, *Perrysburg, Ohio, Secretary*
DELMONT D. BROWN, 1971, *North Baltimore, Ohio*
ROBERT E. DORFMEYER, 1973, *Rocky River, Ohio*
DUDLEY A. WHITE JR., 1972, *Norwalk, Ohio*
VIRGINIA S. STRANAHAN, 1974, *Perrysburg, Ohio*

*Members of the Board of Trustees are appointed for nine-year terms by the Governor of Ohio with the consent of the State Senate. Date after the name indicates expiration of term of appointment.

ADMINISTRATION

President, WILLIAM T. JEROME III
Vice President, KENNETH H. MCFALL
Provost, PAUL F. LEEDY

COLLEGES

Business Administration
Dean—WILLIAM F. SCHMELTZ
Education
Dean—THEODORE J. JENSON
Liberal Arts
Dean—ARCHIE H. JONES
Graduate School
Dean—LLOYD A. HELMS

OTHER EDUCATION UNITS

Audio-Visual Services
Director—GLENN H. DANIELS
Summer and Off-Campus Programs
Director—RALPH H. GEER
University Honors Program
Director—CHARLES C. RICH
University Library
Director—A. ROBERT ROGERS

STUDENT SERVICES

Dean of Students—DONNAL V. SMITH†
Interim Dean of Students—RAYMOND C. WHITTAKER‡
Dean of Men—WALLACE W. TAYLOR JR.
Dean of Women—FAYETTA MAE PAULSEN

†Retired on Jan. 31, 1967.

‡Feb. 1, 1967.

Admissions

Director—THOMAS J. COLANER

Counseling Center

Director—FRANK C. ARNOLD

Housing

Director—ROBERT G. RUDD

International Programs

Director—L. EDWARD SHUCK JR.

Placement

Director—JAMES L. GALLOWAY

Registration and Records

Registrar—GLENN I. VAN WORMER

Student Activities

Director—RICHARD A. LENHART

Student Financial Aid

Director—ROBERT M. MCKAY

University Health Service

Director—HARVEY L. BURNETTE, M.D.

University Union

Director—FARRAR M. COBB

BUSINESS AND FINANCE

Bursar—ROBERT G. ROPER*Business Manager and Controller*—ELTON C. RINGER*Dormitory Payments Officer*—PAUL N. WINDISCH*Personnel Services Director*—LUTHER M. BIVINS*Treasurer*—PAUL E. MOYER

GENERAL UNIVERSITY

Auxiliary Services

Director—A. INGRAM MILLIRON

Buildings and Facilities

Director—F. EUGENE BEATTY

Computational Services

Director—RICHARD C. NEUMANN

Institutional Research and Planning

Director—DONALD C. LELONG

Intercollegiate Athletics

Director—DOYT L. PERRY

University Development

Director—CHARLES E. PERRY

University Relations and Alumni Services

Director—JAMES E. HOF

ADMINISTRATIVE OFFICERS AND ASSISTANTS

PAULINE ADAIR, *Arrangements Manager, University Union*NEAL ALLEN, *Assistant Director, Housing*GARLAND ANDERSON, M.D., *University Physician*FRED N. ARN, *Assistant to University Architect*FRANK C. ARNOLD, *Director, Counseling Center*E. PRINTY ARTHUR, *Assistant Director of Development*MAGDELENA Y. BAKER, *Recorder*OTTO F. BAUER, *Director of Graduate Admissions and Fellowships*

- F. EUGENE BEATTY, *Director, Department of Buildings and Facilities*
 LUTHER M. BIVINS, *Director of Personnel Services*
 JAMES G. BOND, *Director, Psychology Clinic*
 CLIFTON P. BOUTELLE, *Director, News and Photography Services*
 MARY A. BROWER, *Assistant Dean of Women*
 RICHARD F. BROWN, *University Architect*
 J. RICHARD BRYSON, *Coordinator, Conferences and Space Assignments*
 ZOLA R. BUFORD, *Assistant Registrar*
 HARVEY L. BURNETTE, M.D., *Director, University Health Service*
 SPENCER T. CALCAMUGGIO, *Chief Security Officer*
 D. GLENN CHRISTIAN, *Purchasing Officer*
 ROY G. CLARK, *Assistant Registrar*
 FARRAR M. COBB, *Director, University Union*
 CHARLES L. CODDING, *Assistant Director, Department of Building and Facilities*
 THOMAS J. COLANER, *Director of Admissions*
 PATRICK M. CONWAY, *Assistant Dean of Men*
 HOWARD A. CRIST, *Assistant Operations Director, Computation Center*
 DON A. CUNNINGHAM, *Business Manager of Athletics*
 GLENN H. DANIELS, *Director, Audio-Visual Services*
 HAROLD A. DOCK, *Placement Assistant*
 DAVID G. ELSASS, *Assistant Dean, College of Education*
 F. FREDRICK FETHER, *Assistant Controller*
 PETER FLOCKENHAUS, M.D., *University Physician*
 CHARLES R. FURMAN, *Producer-Director, Channel 70*
 JAMES L. GALLOWAY, *Director of Placement*
 RALPH H. GEER, *Director, Summer and Off-Campus Programs*
 FREDERICK J. HANSEN, *Assistant Director of Alumni Relations*
 MARGARET C. HAYGOOD, *Institutional Services Officer*
 LLOYD A. HELMS, *Dean, Graduate School*
 DANIEL HENIGE, *Operations System Programmer, Computation Center*
 GEORGE HERMAN, *Assistant Dean, College of Liberal Arts*
 GENE A. HESSEY, *Assistant Treasurer*
 DONALD T. HINDE, *Assistant to Director, University Union*
 JAMES E. HOF, *Director, Alumni Services; Director, University Relations; Executive Director, BGSU Foundation, Inc.*
 JOHN H. HOLMES, *Assistant to the Provost*
 WILLIAM B. JACKSON, *Assistant Dean, College of Liberal Arts*
 JERRY C. JENSEN, *Associate Dean of Men*
 THEODORE J. JENSON, *Dean, College of Education*
 WILLIAM T. JEROME III, *President*
 WAYNE A. JOHNSON, *Assistant Dean, College of Business Administration*
 ARCHIE H. JONES, *Dean, College of Liberal Arts*
 HAROLD B. JUNK, *Assistant Director, Maintenance Services*
 BARBARA KELLER, *Assistant Dean of Women*
 ROMAINE F. KENT, *Director, Custodial Services*
 KAREL S. KING, *Teacher Placement Officer*
 ELIZABETH KORTE, M.D., *University Physician*
 HOMER A. KUENZLI, *Resident Examiner, State of Ohio*
 HELEN E. LADD, *Secretary to the President*

PAUL F. LEEDY, *Provost*
 DONALD C. LELONG, *Assistant to the President; Director, Institutional Research and Planning*
 RICHARD A. LENHART, *Director, Student Activities*
 JAMES W. LESSIG, *Director, Athletic Promotion*
 WILLIAM C. LEUTZ, *Chief Engineer, WBGU and Television*
 JOHN MARTIN, *Assistant Director, Admissions*
 WILLIAM J. MARTIN, *Assistant Manager of the Bookstore, University Union*
 KENNETH H. MCFALL, *Vice President*
 ROBERT E. MCKAY, *Director, Student Financial Aid*
 J. OWEN MCKEE, *Purchasing Officer*
 RUSSELL H. MEISTER, *Insurance Officer*
 A. INGHAM MILLIRON, *Director, Auxiliary Services*
 WILLIAM M. MISAMORE, *Operations Director, Computation Center*
 JERRY MIX, *Director, Sports Information*
 PAUL E. MOYER, *Treasurer*
 RICHARD C. NEUMANN, *Director, Computational Services*
 PAUL R. NUSSER, *Assistant Business Manager*
 VERGIL K. ORT, *Assistant to the Dean, College of Education*
 FAYETTA MAE PAULSEN, *Dean of Women*
 CHARLES E. PERRY, *Assistant to the President; Director of Development*
 DOYT L. PERRY, *Director of Athletics*
 RICHARD E. POWERS, *Manager, Central Stores*
 CHARLES C. RICH, *Director, Honors Program*
 ELTON C. RINGER, *Business Manager and Controller*
 A. ROBERT ROGERS, *Director, University Library*
 ROBERT G. ROPER, *Bursar*
 ROBERT G. RUDD, *Director, Residence Services*
 EARL E. RUPRIGHT, *Director, Maintenance Services*
 WILLIAM F. SCHMELTZ, *Dean, College of Business Administration*
 PAUL D. SHEPHERD, *Manager of the Bookstore, University Union*
 L. EDWARD SHUCK JR., *Director, International Programs*
 OBER H. SIMON, *State Examiner*
 DONNAL V. SMITH,† *Dean of Students*
 M. HAWLEY SMITH, *Assistant to the President for Special Projects*
 MARION A. SNYDER, *Auditor*
 JOHN H. STARR, *Director, Ice Arena*
 CHARLES C. STOCKER, *Accountant*
 WALLACE W. TAYLOR JR., *Dean of Men*
 KEITH W. TROWBRIDGE, *Institutional Research Analyst*
 DUANE E. TUCKER, *Director of Broadcasting*
 GLENN I. VAN WORMER, *Registrar*
 HENRY VOGTSBERGER, M.D., *University Physician*
 THEODORE D. WAKEFIELD, *Special Consultant to the University*
 ALBERT WALKER, *Editor, University Publications*
 HAROLD A. WASSINK, *Assistant Registrar*
 WARREN C. WATERHOUSE, *Assistant Dean, College of Business Administration*
 RAYMOND C. WHITTAKER, *Assistant Dean of Students,‡ Interim Dean of Students‡‡*
 SALLY L. WILLIAMS, *Assistant Coordinator, Student Activities*
 EUGENE R. WILSON, *Associate Director, Development*
 PAUL N. WINDISCH, *Dormitory Payments Officer*
 JAMES C. WRIGHT, *Assistant Director, Counseling Center*
 COLEN C. WYATT,‡ *University Horticulturist; Assistant to Director, Maintenance Services*

†Retired Jan. 31, 1967.

‡First semester 1966-67.

‡‡Feb. 1, 1967.

UNIVERSITY COUNCILS AND COMMITTEES

Academic Council. Paul F. Leedy (chairman), Irvin H. Brune (vice chairman), Ralph H. Geer (secretary), Edwin C. Bomeli, Stanley K. Coffman, Mearl R. Guthrie, William E. Harrington, Lloyd A. Helms, Theodore J. Jenson, Archie H. Jones, F. Lee Miesle, Karl G. Rahdert, William R. Rock, William F. Schmeltz, Glenn I. Van Wormer

Advisory Committee on Admissions Policy. Donald C. Lelong (chairman), Thomas J. Colaner, Sheldon Halpern, Roberta Jaworski, Oldrich Jicha, Trevor J. Phillips, Glenn I. Van Wormer

Athletics Committee. K. H. McFall (chairman), Joseph K. Balogh, Bruce H. Bellard, Samuel M. Cooper, Russell Decker, Doyt L. Perry, Dale Saylor, Dwight L. Short, Donnal V. Smith,† Edward H. Ward, Vincent Zaffke

Computation Center. Richard C. Neumann (chairman), Wesley A. Erbe,‡ Carl D. Hall, Ronald Hartley, David M. Krabill, Donald C. Lelong, Clifford A. Long, Arthur G. Neal, M. Hawley Smith

Cultural Events. Harold B. Obee (chairman), J. Richard Bryson, Robert Dudley, Margit Heskitt, Arthur S. Howard, Charles Lakofsky, Paul F. Leedy, Richard A. Lenhart

Faculty Leaves and Research. John J. Gross (chairman), Raymond Barker, Ralph Beck, Harvey Donley, Carl Hallberg, Lloyd A. Helms, Richard Hoare, John H. Holmes, Frank C. Ogg, Irwin I. Oster, David Skaggs, Brian Sutton-Smith

Health Service Advisory Committee. Harvey L. Burnette (chairman), Morgan Brent, Bruce Dukeman, Agnes M. Hooley, Judith Kelly, Charles F. Mott, Brian Scott, Donnal V. Smith,‡ Christine Spencer, Alice Schocke Wall

High School Scholarship Tests Committee. Frank C. Arnold (chairman), Gerald Acker, James Bowling, Thomas J. Colaner, Merle Flamm, Paul F. Leedy, Ralph Townsend, James C. Wright

Honorary Degrees Committee. Stanley K. Coffman (chairman), Irvin H. Brune, Gilbert Cooke, Emma Fundaburk, Stuart Givens, David Krabill, Paul F. Leedy, K. H. McFall, Frank J. Prout

Honors and Awards Committee. William N. Harris (chairman), W. D. Alexander, Zola R. Buford, Ralph H. Geer, Marie Hodge, Paul F. Leedy, John Oglevee

Honors Committee. Charles C. Rich (chairman), Frank Baldanza, Irvin H. Brune, M. Lee Goddard

Intramural Sports Committee. James E. Odenkirk (chairman), Iris Andrews, Dennis Buss, S. M. Cooper, Gertrude M. Eppler, Bonnie Harris, Thomas Kinney, Dorothy M. Luedtke, Maurice O. Sandy, Donnal V. Smith,‡ Eldon Snyder, J. Howard Starr

Library Advisory Committee. Richard C. Carpenter (chairman), Emma Fundaburk, James Graham, John Hiltner, Paul F. Leedy, A. Robert Rogers, Anthony Saville, Tom Schroth, Elaine Schwarzenberg, Nancy Sykes

President's Advisory Council. William T. Jerome III (chairman), Martha G. Weber (chairman pro-tem), J. Robert Bashore, Otto F. Bauer, Donald W. Bowman, S. M. Cooper, John R. Davidson, Paul F. Leedy, K. H. McFall, Karl G. Rahdert, Mary A. Watt

Publications Committee. Trevor J. Phillips (chairman), Jesse J. Currier, Marilyn Draper, W. B. Eberhard, James R. Gordon, Randy Ketcham, Rosemary Kovacs, Paul F. Leedy, Virginia Leland, David C. Skaggs, Sidney Stone, Pat Witmer

Religious Activities Committee. Duane E. Tucker (chairman), Judy Garlough, Sheldon Halpern, Paul Makara, Emanuel Rubin, Joel Scott, Donnal V. Smith,‡ Harold Tinnappel, Tina Weisberg

‡First semester 1966-67.

†Retired on Jan. 31, 1967.

Social Policy Committee. Fayette Paulsen (chairman), Ralph Frank, Leslie Gail, M. Lee Goddard, Rick Hansen, Donnal V. Smith,† Arnold Sutin, W. W. Taylor, Jr., John Tucker, Eloise Whitwer, Eugene R. Wilson

Student Financial Aid Committee. Donnal V. Smith† (chairman), Robert E. McKay (secretary)

Subcommittee on Grants-in-Aid. Raymond Whittaker (chairman), Zola R. Buford, Raymond Yeager

Subcommittee on Scholarships. Stuart Givens (chairman), Ernest Hamilton, Fayette Paulsen, Glenn Van Wormer, James Wheeler

Subcommittee on Student Loans. Gene A. Hessey (chairman), Raymond C. Whittaker, James C. Wright

University Insurance Committee. E. E. Dickerman (chairman), Charles R. Chittle, David G. Elsass, Howard Huffman, Romaine F. Kent, Verlin W. Lee, Russell H. Meister

†Retired on Jan. 31, 1967.

EMERITI FACULTY

**FRANK J. PROUT, 1939.† B. Litt., Ohio Wesleyan University; Ped.D., Ohio University, Ohio Wesleyan University; LL.D., Miami University; L.H.D., Bowling Green State University.

President, 1939-51; President Emeritus, 1951

RALPH W. McDONALD, 1951. B.A., Hendrix College; M.A., Ph.D., Duke University; LL.D., Hendrix College.

President, 1951-61; President Emeritus, 1961

RALPH G. HARSHMAN, 1936. B.S.Ed., Ohio Northern University; M.A., Ph.D., Ohio State University; D.P.A., Ohio Northern University; LL.D., Bowling Green State University.

President, 1961-63; President Emeritus, 1963; Professor Emeritus of Business Administration

W. HAROLD ANDERSON, 1942. B.A., Otterbein College; M.A., University of Michigan; Ped.D., Otterbein College.

Director Emeritus of Athletics

ARCH B. CONKLIN, 1939. B.S., College of Wooster; M.A., Columbia University.

Dean Emeritus of Students

MABEL E. DRENNAN, 1946. B.A., M.A., Ohio Wesleyan University.

Associate Professor Emerita of Romance Languages

GRACE DURRIN, 1925. B.A., Hope College; M.A., University of Michigan.

Professor Emerita of English

ANNA N. GRYTING, 1927. B.S., University of Minnesota; M.A., Columbia University.

Assistant Professor Emerita of Mathematics

HELEN W. HENDERSON, 1925. B.Ph.Ed., University of Chicago; M.A., Columbia University.

Professor Emerita of Home Economics

LAURA E. HESTON, 1918. B.S., Ohio State University; M.S., University of Chicago.

Professor Emerita of Home Economics

†Date after name indicates year of first full-time appointment.

**Deceased, March 28, 1967.

- CLYDE HISSONG, 1923. B.S.Ed., Miami University; M.A., Columbia University; Ph.D., Ohio State University; LL.D., Miami University.
Professor Emeritus of Education
- MADGE E. JOHNSON, 1937. B.S., University of Arkansas; M.A., Columbia University.
Professor Emerita of Education
- WILLIAM C. JORDAN, 1925. B.S.Ed., M.A., Ohio State University.
Professor Emeritus of Education
- RUBY L. KING, 1928. B.A., Hillsdale College; B.A. in L.S., University of Michigan.
Associate Professor Emerita; Librarian
- ERVIN J. KREISCHER, 1937. B.S.Ed., Bowling Green State University.
Professor Emeritus; Treasurer Emeritus
- HERSCHEL LITHERLAND, 1941. B.A., Greenville College; M.A., University of South Dakota; Ph.D., University of Cincinnati.
Professor Emeritus of Education
- SAMUEL HARMAN LOWRIE, 1939. B.A., Rice University; M.A., Ph.D., Columbia University.
Professor Emeritus of Sociology
- LEWIS F. MANHART, 1937. B.S.Ed., Bowling Green State University; M.A., Ohio State University.
Professor Emeritus of Business Administration
- CLARE S. MARTIN, 1923. B.S., M.A., Ph.D., Ohio State University.
Professor Emeritus of Chemistry
- REA MCCAIN, 1914. B.A., National Normal University; B.A., Antioch College; M.A., Columbia University; Ph.D., New York University.
Professor Emerita of English
- FRANK G. MESERVE, 1945. B.A., University of Nebraska; M.A., Northwestern University; Ph.D., University of Nebraska.
Professor Emeritus of Biology
- EVERETT C. MYERS, 1947. B.A., Western Reserve University; Ph.D., Johns Hopkins University.
Professor Emeritus of Biology
- CHARLES H. OTIS, 1930. B.A., Ph.D., University of Michigan.
Professor Emeritus of Biology
- JAMES ROBERT OVERMAN, 1914. B.A., Indiana University; M.A., Columbia University; Ph.D., University of Michigan; D.Sc., Bowling Green State University.
Dean Emeritus; Professor Emeritus of Mathematics
- BENJAMIN L. PIERCE, 1939. B.A., Oberlin College; M.A., Columbia University; J.D., University of Michigan. (Licensed attorney in Ohio.)
Dean Emeritus; Professor Emeritus of Business Administration
- CECIL L. REW, 1935. B.Ph., University of Chicago; M.A., Ph.D., University of Illinois.
Professor Emeritus of Foreign Languages
- GEORGE R. SNYDER, 1949. B.A., Heidelberg College; M.A., Ph.D., Ohio State University.
Professor Emeritus of Education
- WARREN E. STELLER, 1924. B.A., Oberlin College; M.A., Columbia University.
Professor Emeritus of Health and Physical Education
- C. GLENN SWANSON, 1934. B.A., M.A., Colorado State College of Education; Ph.D., New York University.
Professor Emeritus of Sociology
- MAE A. TINDALL, 1941. B.A., Willamette University; M.A., Columbia University.
Associate Professor Emerita of Education
- JOHN EVERETT WENRICK, 1947. B.A., M.A., Ph.D., Ohio State University.
Professor Emeritus of Psychology

FACULTY

- WILLIAM T. JEROME III, 1963. B.A., Colgate University; M.B.A., D.C.S., Harvard Graduate School of Business Administration; LL.D., Middlebury College.
President; Professor of Business Administration
- MARY A. WATT, 1954. B.S., Simmons College; M.S., Wellesley College; Ph.D., University of Iowa.
Professor of Health and Physical Education; Secretary, Faculty Senate
- GILBERT ABCARIAN, 1960. B.A., M.A., Ph.D., University of California, Berkeley.
Associate Professor of Political Science
- ARTHUR H. ABEL, 1964. B.A., M.A., University of Iowa; Ph.D., University of Pennsylvania.
Assistant Professor of English
- WILBUR J. ABELL, 1947. B.S., Millikin University; M.S., University of Illinois; Chartered Life Underwriter; Chartered Property-Casualty Underwriter.
Professor of Business Administration
- G. GERALD ACKER, †† 1946. B.A., Allegheny College; M.S., University of Oklahoma; Sc.D., Central State University.
Associate Professor of Biology
- HASSON S. AL-AMIRI, 1964. Mathematics License, Higher Teachers Training College, Iraq; M.S., Ph.D., University of Michigan.
Assistant Professor of Mathematics
- BRUCE K. ALCORN, 1965. B.R.E., Baptist Bible Seminary; M.S., State College of Education, Oneonta, N.Y.; Ph.D., University of Iowa.
Assistant Professor of Education
- WANDA ALEXANDER, †‡ 1967. B.A., Western Kentucky State College; M.S., Bowling Green State University.
Instructor in Education
- WILLIAM D. ALEXANDER, 1946. B.S.M., Mt. Union College; M.S., North Texas State University; Violin student of Mischa Mischakoff; 'Cello student of Arthur Bachman.
Associate Professor of Music
- WARREN S. ALLEN, ** 1946. B.M., Southwestern College; M.M., University of Michigan; Student of Martial Singher, Juilliard School of Music.
Associate Professor of Music
- LIUDA L. ALSSEN, ** 1962. Diploma, University of Paris; M.A., University of Nebraska; Ph.D., University of Michigan.
Assistant Professor of German and Russian
- HANNS K. ANDERS, 1942.* B.A., Oberlin College; M.S., Ph.D., Ohio State University.
Professor of Chemistry
- GARLAND ANDERSON, 1966. B.S., Geneva College; M.D., Temple University.
Assistant Professor; University Physician
- JACK R. ANDERSON, 1966. B.S., University of Illinois; M.A., University of Iowa.
Instructor in Audio-Visual Services
- THOMAS D. ANDERSON, 1964. B.A., M.A., Kent State University; Ph.D., University of Nebraska.
Assistant Professor of Geography
- IRIS E. ANDREWS, 1945. B.S., Battle Creek College; M.A., University of Michigan.
Associate Professor of Health and Physical Education
- SAMUEL D. ANDREWS, 1965. B.A., Sir George Williams University; M.A. University of Connecticut.
Instructor in Education

†† On leave second semester 1966-67.

‡‡ Second semester 1966-67.

** On leave 1966-67.

* Not continuous service.

- FREDERICK N. ARN, 1965. B.S., University of Cincinnati; M.F.A., Bowling Green State University.
Instructor in Art
- FRANK C. ARNOLD, 1948. B.S., M.A., Ohio State University; Ph.D., Syracuse University.
Professor of Psychology; Director, Counseling Center
- MARK F. ASMAN, 1966. B.S., M.B.A., Bowling Green State University.
Instructor in Accounting
- SALVATORE J. ATTINELLO, 1965. A.B., University of Massachusetts; M.S., University of Illinois.
Instructor in Library Science
- ROBERT T. AUSTIN, 1946. B.Ed., University of Toledo; M.Ed., Bowling Green State University; Ed.D., Wayne State University.
Associate Professor of Industrial Arts; Acting Chairman, Department of Industrial Arts and Engineering Drawing
- PAUL W. AVERS, 1966. B.S., Capital University; M.E., Kent State University.
Instructor in Education
- JAMES AVERY, 1966. B.M., University of Kansas; M.M., Indiana University.
Assistant Professor of Music
- THOMAS C. BACH, 1965. B.S., M.Ed., Bowling Green State University.
Instructor in Industrial Arts
- PIETRO BADIA, 1963. B.A., M.A., Kent State University; Ph.D., Adelphi College.
Associate Professor of Psychology
- FLORENCE E. BAIRD, 1925. B.S.Ed., Bowling Green State University; B.A., M.A., Ohio State University.
Associate Professor of Romance Languages
- FRANK BALDANZA JR., 1957. B.A., Oberlin College; M.A., University of Chicago; Ph.D., Cornell University.
Professor of English
- ROBERT H. BALDWIN, 1966. B.A., M.A.T., Wesleyan University.
Instructor in Education
- RAFAEL BALESTEROS, 1966. B.A., M.A., University of Granada, Spain.
Visiting Lecturer in Romance Languages
- JOSEPH K. BALOGH, 1949. B.S.Ed., Pennsylvania State College at California; Litt.M., Ph.D., University of Pittsburgh.
Professor of Sociology; Chairman, Department of Sociology
- RAYMOND F. BARKER, 1964. B.A., Texas Western College; M.B.A., Ph.D., University of Texas.
Assistant Professor of Marketing
- CHARLES ALDEN BARRELL, 1940. B.A., Hampden-Sydney College; M.A., University of Virginia; Ph.D., Ohio State University.
Professor of Political Science
- JAMES R. BASHORE JR., 1948. B.S., University of Wisconsin; M.A., Bowling Green State University; Ph.D., University of Wisconsin.
Associate Professor of English
- OTTO F. BAUER, 1961. B.S., M.A., Ph.D., Northwestern University.
Associate Professor of Speech; Director, Graduate Admissions and Fellowships
- GARY L. BAXTER, 1966. B.S., Ohio State University.
Instructor in Business Administration
- WILLIAM D. BAXTER, 1966. B.A., Phillips University; Ph.D., University of Kansas.
Assistant Professor of Biology
- ANTHONY B. BAYNARD, 1946. B.A., University of Scranton; M.A., Columbia University.
Associate Professor of Romance Languages

- GLADYS K. BEATTIE, †† 1958.* B.A., Lebanon Valley College; M.A., Florida State College.
Instructor in Romance Languages
- F. EUGENE BEATTY, 1941. B.S.B.A., M.A., Bowling Green State University.
Associate Professor; Director, Department of Buildings and Facilities
- RALPH L. BECK, 1949. B.S., Indiana State University; M.S., Indiana University; Ed.D., New York University.
Professor of Education
- BRUCE BELLARD, 1948. B.S.Ed., M.Ed., Bowling Green State University.
Associate Professor of Health and Physical Education; Head Wrestling Coach
- BETTY L. BENNETT, 1966. B.A., Ohio Wesleyan University; M.A., University of Michigan.
Instructor in Home Economics
- THOMAS L. BENNETT, 1966. B.S., Southeast Missouri State College; M.Ed., University of Missouri.
Instructor in Education
- SARA L. BERRY, 1966. B.A., Alabama College; M.A., University of Florida; M.S.L.S., Florida State University.
Instructor; Librarian
- STEWART BERRY, 1956. B.S.Ed., M.A., University of Alabama; Ed.D., University of Cincinnati.
Professor of Education
- EDWIN R. BETTS, 1962. B.M., M.M., Eastman School of Music.
Associate Professor of Music
- ROBERT P. BEYNON, †† 1967. B.S., M.S., Westminster College; Ph.D., Ohio State University.
Associate Professor of Education
- HUGH L. BICKFORD, 1966. B.A., University of Windsor; M.A., Bowling Green State University.
Instructor in Sociology
- JOHN J. BISHOP, 1966. B.A., M.A., Ph.D., Boston University.
Associate Professor of Art
- DOLORES A. BLACK, 1963. B.S., Michigan State Normal College; M.Ed., Bowling Green State University.
Instructor in Health and Physical Education
- RUSSELL L. BLISS, 1964. B.A., Mt. Union College; M.A., University of Kentucky.
Instructor in Sociology
- JON A. BLUBAUGH, 1965. B.S., Wichita University; M.A., Ph.D., University of Kansas.
Instructor in Speech
- GEORGE J. BOGDANOVITCH, 1966. B.A., Rutgers University; M.F.A., University of Iowa.
Assistant Professor of Art
- ARLO D. BOGGS, 1949.* B.S., Marietta College; M.S., Purdue University; Ph.D., Ohio State University.
Associate Professor of Chemistry
- EDWIN C. BOMELI, 1956. B.S.B.A., Ohio State University; M.A., Butler University; Ph.D., Michigan State University; Certified Public Accountant, Ohio, Indiana.
Professor of Accounting; Chairman, Department of Accounting
- JAMES G. BOND, 1966. B.A., Baldwin-Wallace College; M.S., Bowling Green State University; Ph.D., New York University.
Associate Clinical Professor of Psychology; Director, Psychology Clinic

††Second semester 1966-67.

*Not continuous service.

- ROBERT O. BONE, 1948. B.S.Ed., University of Illinois; M.A., Columbia University.
Associate Professor of Art
- WALTER R. BORTZ, 1966. B.S., Bowling Green State University; M.A., Ball State University.
Instructor in Industrial Arts and Engineering Drawing
- ADELBERT K. BOTTS, 1965. B.A., State Teachers College, Valley City, North Dakota; M.A., Ph.D., Clark University.
Visiting Professor of Geography
- CHARLES R. BOUGHTON, 1961. B.A., M.A., University of Illinois; Ph.D., Northwestern University.
Assistant Professor of Speech
- PENELOPE BOUSSOULAS, 1959. B.S., Eastern Michigan University; M.A., University of Michigan.
Instructor in Health and Physical Education
- JAMES D. BOWLING, 1965. B.S., Eastern Kentucky State University; M.B.A., Xavier University.
Instructor in Business Education
- DONALD W. BOWMAN, 1943. B.A., Mt. Union College; M.A., Ph.D., Ohio State University; Sc.D., Mt. Union College.
Professor of Physics
- GARY L. BOWMAN, 1966. B.A., Ohio State University; M.B.A., Bowling Green State University.
Instructor in Business Administration
- MORGAN M. BRENT, 1957. B.S., M.S., Ph.D., Northwestern University.
Professor of Biology; Chairman, Department of Biology
- MELVIN E. BRODT, 1960. B.S., Miami University; M.S., University of Illinois.
Assistant Professor of Health and Physical Education; Head Track and Cross Country Coach
- PRUDENCE L. BROWN, 1947.* B.F.A., University of Nebraska; M.A., University of Michigan.
Assistant Professor of Speech
- IRVIN H. BRUNE, 1963. B.S., College of Wooster; M.A., Ph.D., Ohio State University.
Professor of Education
- J. RICHARD BRYSON, 1964. B.S., Slippery Rock State College; M.Ed., Indiana State College.
Instructor in Education; Coordinator of Conferences and Space Assignments
- JOSEPH C. BUFORD, 1948. B.Ed., M.S.Ed., Illinois State University; Ph.D., University of California, Los Angeles.
Professor of Geography; Chairman, Department of Geography
- FRANCES BURNETT, 1964. B.M., M.M., Cincinnati Conservatory of Music.
Assistant Professor of Music
- HARVEY L. BURNETTE, 1960. B.S., University of South Carolina; M.D., Medical College of the State of South Carolina.
Professor; Director, University Health Service
- BEVERLY E. BYRER, 1964. B.S., Purdue University; M.A.L.S., Indiana University.
Instructor; Librarian
- HELEN M. CALAWAY, 1964. B.S., Ball State University; M.S., Ph.D., Purdue University.
Associate Professor of Home Economics
- HARLEY L. CAMPBELL, 1965. B.S., Ashland College; M.Ed., Bowling Green State University.
Intern Instructor in Education
- JEAN B. CAMPBELL, 1966. B.S., Indiana State University.
Instructor in Health and Physical Education

*Not continuous service.

- MALCOLM B. CAMPBELL, 1966. B.A., M.A., Ph.D., University of Michigan.
Assistant Professor of Education
- GORDON C. CARNEY, 1966. B.S., M.S., University of Durham, England; Ph.D., University of Minnesota.
Assistant Professor of Biology
- RICHARD C. CARPENTER, 1953. B.A., Tufts College; M.A., Ph.D., Boston University.
Professor of English
- CAROL CARTER, 1965. B.A., M.Ed., University of Arkansas; M.A., University of Wisconsin.
Instructor in Romance Languages
- JAMES G. CAUGHRAN, †† 1967. B.A., University of California; M.A., University of Michigan.
Instructor in Mathematics
- CLEON CHASE, 1965. B.M., Baylor University; M.M., Northwestern University.
Instructor in Music
- I-TE CHEN, 1966. B.A., National Taiwan University; M.A., University of Pennsylvania.
Instructor in History
- LOIS CHENEY, 1964. B.A., Muskingum College; M.A., Kent State University; Ph.D., Michigan State University.
Assistant Professor of Speech
- EWING V. CHINN, 1964. B.A., Macalester College; Ph.D., University of Southern California.
Assistant Professor of Philosophy
- CHARLES R. CHITTLE, 1965. B.A., Hiram College; M.S., Purdue University.
Instructor in Economics
- EDWARD SCOTT CLAFLIN, 1947. B.A., Oberlin College; M.A., Ph.D., Yale University.
Professor of Political Science
- JEFF CLARK, 1960. B.A., M.A., University of Oklahoma; Ph.D., University of Iowa.
Associate Professor of Journalism
- ROBERT K. CLARK, 1963. B.A., University of Wyoming; M.A., University of Tennessee.
Assistant Professor of Speech
- JEROME M. CLUBB, ** 1961. B.A., M.A., Ph.D., University of Washington.
Assistant Professor of History
- JOHN R. COASH, ** 1949. B.A., Colorado College; M.A., University of Colorado; Ph.D., Yale University.
Professor of Geology
- CHARLOTTE ELIZABETH COBB, 1961. B.M., M.M., Yale University.
Assistant Professor of Music
- CORNELIUS COCHRANE, 1964. B.A., Oberlin College; M.A., University of Maryland.
Assistant Professor of Health and Physical Education; Lacrosse, Soccer Coach
- J. RUSSELL COFFEY, 1948. B.A., M.A., Ohio State University; Ed.D., New York University.
Professor of Health and Physical Education
- STANLEY K. COFFMAN JR., 1962. B.A., Haverford College; M.A., Ph.D., Ohio State University.
Professor of English; Chairman, Department of English
- RONALD L. COLEMAN, 1964. B.F.A., M.A., Bowling Green State University.
Assistant Professor of Art
- NEAL A. COIL, 1966. B.A., Ohio Northern University; M.A., Ohio State University; M.A.L.S., Indiana University.
Assistant Professor; Librarian

** On leave 1966-67.

†† Second semester 1966-67.

- EVRON S. COLLINS, 1963. B.A., Bowling Green State University; M.S. in L.S., University of Illinois.
Instructor; Librarian
- ROBERT J. CONIBEAR, 1964. B.S., M.E., Wayne State University.
Instructor in Health and Physical Education
- FLORENCE S. COOK, 1966. B.A., Bowling Green State University; M.S.L.S. Western Reserve University.
Instructor; Librarian
- GILBERT W. COOKE, 1937. B.S., M.A., University of Minnesota; Ph.D., University of Wisconsin.
Professor of Business Administration
- SAMUEL M. COOPER, 1946. B.A., Oberlin College; M.A., New York University; Ed.D., Western Reserve University.
Professor of Health and Physical Education; Chairman, Department of Health and Physical Education
- RAMONA T. CORMIER, 1965. B.A., University of Southwestern Louisiana; M.A., University of Southern California; Ph.D., Tulane University.
Assistant Professor of Philosophy
- HOMER L. COX, 1966. B.Ed., Illinois State University; M.A., Ed.D., Northwestern University.
Professor of Business Education
- CHARLES J. CRANNY, 1966. B.S., M.S., Ph.D., Iowa State University.
Assistant Professor of Psychology
- FORREST CREASON, 1951. B.A., Findlay College; M.S.Ed., Bowling Green State University.
Associate Professor of Health and Physical Education; Golf Coach
- JAMES CRESS, 1966. B.S., M.B.A., Bowling Green State University; C.P.A., Ohio.
Assistant Professor of Accounting
- JESSE J. CURRIER, 1940. B.A., Ohio Wesleyan University; M.A., Ohio State University.
Professor of Journalism; Director, School of Journalism
- LAWRENCE J. DALY, 1965. B.A., M.A., Xavier University.
Instructor in History
- EDGAR F. DANIELS, 1953. B.A., Otterbein College; M.A., Ph.D., Stanford University.
Associate Professor of English
- GLENN H. DANIELS, 1965. B.S., North Dakota State College; M.S., University of Minnesota; Ph.D., University of Iowa.
Associate Professor of Education; Director, Audio-Visual Services
- EDMUND J. DANZIGER JR., 1966. B.A., College of Wooster; M.A., Ph.D., University of Illinois.
Assistant Professor of History
- JOHN WALKER DARR, 1953.* B.S., M.B.A., Indiana University; Ph.D., University of Alabama.
Professor of Business Administration
- JOHN R. DAVIDSON, 1946. B.S.Ed., Bowling Green State University; M.S., New York University; Ph.D., Ohio State University.
Professor of Marketing
- JACK M. DAVIS, 1965. B.S., M.B.A., University of Kentucky.
Instructor in Business Administration
- RUSSELL DECKER, 1952. B.A., University of Iowa; J.D., Drake University. (Licensed attorney in Ohio, Iowa, Federal Courts, and U.S. Supreme Court.)
Professor of Business Administration
- THOMAS G. DECOLA, 1964. B.A., Youngstown University.
Instructor in History

*Not continuous service.

- JAMES P. DEE, 1966. B.A., University of Florida; M.A., University of Missouri; Ph.D., Ohio State University.
Professor of Speech
- JEAN P. DEIS, 1964. Artist Diploma, Curtis Institute of Music; Voice student of Richard Bonelli.
Assistant Professor of Music
- HOWARD C. DELAMATRE, 1965. B.A., Mt. Union College; M.Ed., Bowling Green State University.
Intern Instructor in Education
- IVAN E. DEN BESTEN, 1961. B.A., Calvin College; Ph.D., Northwestern University.
Associate Professor of Chemistry
- WALLACE E. DEPUE, 1966. B.M., B.M.E., Capital University; M.A., Ohio State University; Ph.D., Michigan State University.
Instructor in Music
- RAYMOND W. DERR, 1952. B.S.Ed., Kansas State College of Pittsburg; M.A., University of Kansas; Ph.D., University of Missouri.
Professor of Journalism
- E. EUGENE DICKERMAN, 1936. B.A., Grand Island College; M.S., Ph.D., Northwestern University.
Professor of Biology
- JAMES A. DILLEHAY, 1966. B.S., University of Dayton; M.E., Miami University.
Intern Instructor in Education
- MICHAEL E. DOHERTY, 1965. B.S., Manhattan College; M.A., Ph.D., University of Connecticut.
Assistant Professor of Psychology
- HARVEY E. DONLEY, 1959. B.S.Ed., Central Missouri State College; M.A., Ph.D., University of Missouri; Certified Public Accountant, Indiana.
Professor of Accounting
- RUSSEL G. DRUMRIGHT, 1966. B.S., Oklahoma State University; M.Ed., University of Colorado; Ph.D., University of Oklahoma.
Associate Professor of Education
- ROBERT E. DUDLEY, 1955. B.S.Ed., Ohio State University; M.S.Ed., Bowling Green State University.
Assistant Professor of Health and Physical Education; Assistant Football Coach
- MARILYN DUFFUS, 1966. Licentiate, Guildhall School of Music, London; Licentiate, Royal Academy of Music, London.
Instructor in Music
- WILLIAM DUVAL, 1966. B.A., Principia College of Liberal Arts.
Visiting Instructor in Music
- RICHARD R. EAKIN, 1964. B.A., Geneva College; M.A., Ph.D., Washington State University.
Assistant Professor of Mathematics
- N. WILLIAM EASTERLY, 1957. B.A., West Virginia University; M.S., University of Iowa; Ph.D., West Virginia University.
Associate Professor of Biology
- WALLACE B. EBERHARD, 1964. B.A., University of Michigan.
Assistant Professor of Journalism; Adviser, B-G News
- LARRY A. EBERHARDT, 1966. B.A., Valparaiso University; M.A., Northwestern University.
Instructor in Political Science
- FREDERICK W. ECKMAN, 1961. B.A., M.A., Ph.D., Ohio State University.
Associate Professor of English

- BRUCE EDWARDS, 1966. B.A., M.A., Ph.D., University of Michigan.
Associate Professor of Economics
- JAMES J. EGAN, 1965. B.S., Western Michigan University; Ph.D., Western Reserve University.
Assistant Professor of Speech
- ANNETTE EHRLICH, 1966. B.A., Brooklyn College; M.A., City College of New York; Ph.D., McGill University.
Assistant Professor of Psychology
- DAVID G. ELSASS, 1960. B.S.Ed., M.S.Ed., Bowling Green State University; Ed.D., Western Reserve University.
Associate Professor of Education; Assistant Dean, College of Education
- RAYMOND J. ENDRES, 1965. B.A., St. John's University; B. S., Eastern Montana College; M.A., University of Minnesota; Ph.D., University of Oregon.
Associate Professor of Education
- CURTIS L. ENGLEBRIGHT, 1965. B.S., M.S., Ph.D., Southern Illinois University.
Assistant Professor of Education
- GERTRUDE M. EPPLER, 1941. B.S., Eastern Michigan University; M.S., University of Michigan.
Professor of Health and Physical Education; Director, Women's Division, Health and Physical Education
- EMERSON C. ERB JR.,** 1960. B.S., M.B.A., D.B.A., Indiana University; Certified Public Accountant, Indiana.
Associate Professor of Accounting
- WESLEY A. ERBE,† 1964. B.A., Iowa State Teachers College; M.A., Ph.D., University of Iowa.
Professor of Education
- JACOB ERHARDT, 1964.* B.A., Baldwin-Wallace College; M.A., Middlebury College.
Instructor in German and Russian
- JOSE ARRONIS ESCOBAR, 1965. Licenciado in Romance Philology, University of Salamanca.
Visiting Lecturer in Romance Languages
- JOHN E. EXNER JR., 1962. B.S., M.S., Trinity University; Ph.D., Cornell University.
Professor of Psychology
- BONNIE JEAN FAULKNER,‡‡ 1967. B.A., University of Toledo.
Assistant Instructor in Health and Physical Education
- WILLIAM H. FICHTHORN, 1965. B.A., Missouri Valley College; M.B.A., Northwestern University; D.C.S., Harvard Graduate School of Business Administration; Chartered Financial Analyst.
Associate Professor of Business Administration
- ROBERT R. FINDLAY, 1963. B.S., Illinois State University at Normal; M.F.A., Ohio University; Ph.D., University of Iowa.
Assistant Professor of Speech
- WILLIAM C. FITCH, 1967.‡ B.A., Coe College; M.Ed., Creighton University.
Assistant Professor of Health and Physical Education; Head Basketball Coach
- MERLE E. FLAMM, 1948.* B.A., Ashland College; M.A., University of Michigan.
Assistant Professor of Physics
- LYLE REXFORD FLETCHER, 1946. B.A., Ohio University; M.A., Ohio State University.
Associate Professor of Geography
- PETER FLOCKENHAUS, 1965. M.D., Marburg-Lahn Medical School, Germany.
Assistant Professor; University Physician

*Not continuous service.

** On leave 1966-67.

†First semester 1966-67.

‡‡Second semester 1966-67.

‡Effective March, 1967.

- GILES R. FLOYD, 1948. B.A., Wofford College; M.A., Vanderbilt University; Ph.D., University of Iowa.
Professor of English
- MERCEDES FLYS, 1965. Teacher's Certificate, Teachers College, Madrid, Spain; Licenciada, Central University of Madrid; M.A., Loyola University.
Instructor in Romance Languages
- MICHAEL J. FLYS, 1961. Licentiate in Romance Philology, Ph.D., Central University of Madrid.
Associate Professor of Romance Languages; Chairman, Department of Romance Languages
- JAMES H. FORSE, 1966. B.A., State University of New York; M.A., University of Illinois.
Instructor in History
- JANE L. FORSYTH, 1965. B.A., Smith College; M.A., University of Cincinnati; Ph.D., Ohio State University.
Assistant Professor of Geology
- WILLARD FOX, 1959. B.S.Ed., Southeast Missouri State College; M.A., University of Wyoming; Ed.D., Wayne State University.
Professor of Education
- GEORGE H. FRACK, 1948. B.A., Muskingum College; M.A., Ohio State University.
Assistant State Supervisor of Distributive Education
- EUGENE FRANCKOWIAK, 1966. B.A., Wayne State University; M.A., University of Kansas.
Instructor in Geography.
- RALPH W. FRANK, 1956. B.S.Ed., M.A., Kent State University; Ph.D., Northwestern University.
Professor of Geography
- CECIL M. FREEBURNE, 1948. B.S.Ed., Kansas State Teachers College at Emporia; M.A., Ph.D., University of Iowa.
Professor of Psychology
- EMMA L. FUNDABURK, 1966. B.A., George Washington University; M.A., Northwestern University; Ph.D., Ohio State University.
Assistant Professor of Economics
- EVA-MARIA GABOR, 1961. Graduate (Abitur), Peter-A.-Silbermann Schule, Berlin, Germany; B.A., Cornell College; M.A., University of Iowa.
Instructor in German and Russian
- ROBERT C. GALBREATH, 1965. B.A., University of Michigan; M.A., Harvard University.
Instructor in History
- WILLARD H. GALLIART, 1964. B.S.C., University of Iowa; M.S., University of Illinois; Certified Public Accountant, Illinois.
Assistant Professor of Accounting
- HERBERT J. GAUERKE, 1964. B.A., Capital University; M.A., University of Illinois; Ph.D., Marquette University.
Associate Professor of German and Russian; Acting Chairman, Department of German and Russian
- DAVID V. GEDEON, 1964. B.S., M.Ed., Bowling Green State University.
Instructor in Industrial Arts.
- RALPH H. GEER, 1948. B.A., Defiance College; M.A., Ohio State University; Ed.D., Western Reserve University.
Professor of Education; Director, Summer School and Off-Campus Programs
- MICHELINE GHIBAUDO, 1965. B.S., M.A., University of Toledo.
Instructor in Romance Languages
- ROBERT M. GIBSON, 1956. B.S.Ed., Youngstown College; M.Ed., Bowling Green State University.
Assistant Professor of Health and Physical Education; Head Football Coach

- CHARLES GIGANTE, 1965. B.M., M.M., Eastman School of Music; D.F.A., St. Ambrose College.
Assistant Professor of Music
- STUART R. GIVENS, 1952. B.A., George Washington University; M.A., Ph.D., Stanford University.
Professor of History; Chairman, Department of History
- DAVID S. GLASMIRE, 1958. B.M., M.M., Cincinnati Conservatory of Music.
Associate Professor of Music
- MARY L. GLENN, 1964. B.S., Northern Illinois University; M.S., Iowa State University.
Assistant Professor of Home Economics
- M. LEE GODDARD, 1962. B.A., Bowling Green College of Commerce, Kentucky; M.B.A., Ed.D., Indiana University.
Associate Professor of Business Education
- ROBERT P. GOODWIN, 1961. M.A., Fordham University; Ph.D., Georgetown University.
Associate Professor of Philosophy; Chairman, Department of Philosophy
- JAMES R. GORDON, 1966. B.S., Bowling Green State University; M.A., Ohio State University.
Assistant Professor of Journalism; Adviser, The Key
- NORMAN A. P. GOVONI, 1966. B.S., M.B.A., Syracuse University.
Instructor in Marketing
- JAMES Q. GRAHAM JR., 1960. B.S., Columbia University School of General Studies; M.A., Columbia University; Ph.D., Ohio State University.
Associate Professor of History
- LOUIS C. GRAUE, 1959. B.S., M.S., University of Chicago; Ph.D., Indiana University.
Professor of Mathematics; Chairman, Department of Mathematics
- ROBERT C. GRAVES, 1966. B.S., M.S., Ph.D., Northwestern University.
Associate Professor of Biology
- MARIAN E. GRAY, 1956. B.A., University of Michigan; M.S. in L.S., University of Wisconsin.
Assistant Professor; Librarian
- JOHN T. GREENE, 1955. B.A., Wayne State University; M.A., University of Oregon; Ph.D., University of Illinois.
Associate Professor of Psychology
- ROMA S. GREGORY, 1965. B.A., Macalester College; B.L.S., University of Wisconsin; M.S. in L.S., Western Reserve University.
Assistant Professor; Librarian
- ALICE GREINER, 1949. B.S.Ed., University of Cincinnati; M.S.Ed., Bowling Green State University.
Associate Professor of Speech
- MARY C. GRIFFIN, 1964. B.S., Winthrop College; M.S., University of Tennessee; Ph.D., Ohio State University.
Assistant Professor of Business Administration
- CYNTHIA S. GROAT, 1962. B.A., Wellesley College; M.A., Brown University.
Instructor in Biology
- H. THEODORE GROAT, 1961. B.A., M.A., Bowling Green State University; Ph.D., Brown University.
Associate Professor of Sociology
- JOHN J. GROSS, 1962. B.S., M.A., University of Oregon; Ph.D., University of Iowa.
Professor of English
- JAMES F. GUINAN, 1966. B.A., University of Detroit; M.A., University of Toledo; Ph.D., Michigan State University.
Assistant Professor of Psychology

- ROBERT M. GUION, 1952. B.S., University of Iowa; M.S., Ph.D., Purdue University.
Professor of Psychology; Chairman, Department of Psychology
- MEARL R. GUTHRIE, JR., 1954. B.S.Ed., M.A., Ball State University; Ph.D., University of Minnesota.
Professor of Business Education; Chairman, Department of Business Education
- LUCILLE G. HAGMAN, 1964. B.E., Northern Illinois University; M.A., Northwestern University; Ed.D., University of Colorado.
Associate Professor of Education
- SABBAH AL HAJ,** 1964. B.S., M.S., American University of Beirut; Ph.D., Ohio State University.
Assistant Professor of Economics
- CARL D. HALL, 1957. B.S., Southwest Missouri State College; M.F.A., University of Iowa.
Assistant Professor of Art
- W. HEINLEN HALL, 1936. B.A., Muskingum College; Ph.D., Ohio State University.
Professor of Chemistry; Chairman, Department of Chemistry
- CARL W. HALLBERG, 1951. B.S., M.S., Ph.D., University of Michigan.
Professor of Biology
- SHELDON HALPERN, 1963. B.A., City College of New York; M.A., Ph.D., Columbia University.
Assistant Professor of English
- GEORGIA HALSTEAD, 1959. B.S.H.E., Purdue University; M.S.Ed., Michigan State University; Ph.D., Pennsylvania State University.
Professor of Home Economics; Chairman, Department of Home Economics
- ERNEST S. HAMILTON, 1956. B.S., University of Massachusetts; M.S., Ph.D., Rutgers University.
Associate Professor of Biology
- HOWARD D. HAMILTON, 1965. B.S., Purdue University; Ph.D., University of Illinois.
Associate Professor of Political Science; Acting Chairman, Department of Political Science
- AVERILL J. HAMMER, 1946. B.S., Parsons College; M.S., Ph.D., Iowa State University.
Professor of Chemistry
- HAROLD T. HAMRE, 1946. B.S., M.S., University of Wisconsin; Ph.D., Ohio State University.
Associate Professor of Biology
- SHIRLEY A. HARMON, 1964. B.A., Marietta College; M.S., Ph.D., Ohio State University.
Assistant Professor of Biology
- CARL E. HARRELL, 1966. B.A., M.A., Ph.D., University of Texas.
Assistant Professor of Mathematics
- WILLIAM E. HARRINGTON, 1959. B.S., Baldwin-Wallace College; M.A., Ohio State University; Ed.D., Western Reserve University.
Professor of Education
- WILLIAM N. HARRIS, 1963. B.A., M.Ed., Wayne State University; Ph.D., University of Michigan.
Associate Professor of Education
- RONALD V. HARTLEY, 1965. B.S.C., Ohio University; M.A.S., University of Illinois.
Assistant Professor of Accounting
- CHARLES F. HARTMAN, 1964. B.A., Carleton College; B.A., St. John's University; M.A., Fordham University.
Instructor in German and Russian
- HAROLD L. HASSELSCHWERT, 1961. B.S.Ed., M.A., Bowling Green State University.
Assistant Professor of Art

** On leave 1966-67.

- CHARLES EARL HAYDEN, 1965. B.S., M.A., Ph.D., Ohio State University.
Assistant Professor of Education
- MARGARET C. HAYGOOD, 1958. B.S., B.S. in L.S., University of Illinois.
Assistant Professor; Institutional Services Officer
- LLOYD A. HELMS, 1938. B.A., DePauw University; M.A., Ph.D., University of Illinois.
Professor of Economics; Dean, Graduate School
- ROBERT D. HENDERSON, 1954. B.B.A., Westminster College; M.B.A., Ohio State University; Ph.D., University of Pittsburgh.
Professor of Business Administration; Chairman, Department of Business Administration
- JOHN H. HEPLER, 1949. B.A., M.A., Ohio Wesleyan University.
Associate Professor of Speech; Designer-Technical Director, University Theatre
- DALE C. HERBERT, 1952. B.S.Ed., M.Ed., Bowling Green State University.
Assistant Professor of Health and Physical Education; Coordinator of Facilities, Athletic Department
- RONALD H. HERBERT, 1966. B.S., Heidelberg College.
Instructor in Physics
- JOHN W. HERCZEG, 1964. B.S., Bowling Green State University.
Technical Assistant in Physics
- GEORGE HERMAN, 1958. B.A., Brooklyn College; M.S., Ph.D., University of Michigan.
Professor of Speech; Assistant Dean, College of Liberal Arts
- MARGIT HESKETT, 1965. B.S., Wittenberg University; M.A., Columbia University.
Instructor in Health and Physical Education
- GARY R. HESS, 1964. B.A., University of Pittsburgh; M.A., Ph.D., University of Virginia.
Assistant Professor of History
- J. LEVAN HILL, 1948. B.S.Ed., Pennsylvania State College at California; M.Ed., Ed.D., Pennsylvania State University.
Professor of Industrial Arts
- GEORGE HILLOCKS JR., 1965. B.A., College of Wooster; M.A., Western Reserve University.
Instructor in English
- JOHN HILTNER, 1958. B.A., M.A., University of Iowa; Ph.D., Northwestern University.
Associate Professor of Geography
- MARY C. HISSONG, 1938.* B.S.Ed., M.A., Ph.D., Ohio State University.
Associate Professor of English
- RICHARD D. HOARE, 1957. B.A., Augustana College; M.A., Ph.D., University of Missouri.
Associate Professor of Geology
- MARIE R. HODGE, 1965. B.S.C., M.B.A., Northwestern University.
Instructor in Business Administration
- PAUL D. HOELZLEY, 1966. B.M.E., University of Tulsa; M.M., University of Michigan.
Instructor in Music
- JAMES E. HOF, 1951.* B.A., M.A., Bowling Green State University.
Assistant Professor; Director, University Relations; Director, Alumni Services; Executive Director, B.G.S.U. Foundation, Inc.
- ROBERT J. HOHMAN, 1966. B.S., St. Vincent's College; M.Ed., Indiana State University of Pennsylvania.
Instructor in Education; Supervisor, Student Teaching, Cleveland Area
- ROBERT W. HOHN, 1960. B.A., B.M., B.M.Ed., Otterbein College; M.M., Cincinnati Conservatory of Music; D.M.Ed., Indiana University.
Professor of Music

*Not continuous service.

- HERBERT A. HOLLISTER, 1965. B.A., Allegheny College; M.A., Ph.D., University of Michigan.
Assistant Professor of Mathematics
- JOHN H. HOLMES, 1965. B.S.C., University of Notre Dame; M.B.A., University of Cincinnati.
Instructor in Marketing; Assistant to the Provost
- AGNES MARIE HOOLEY, 1954. B.S.P.E., University of Bridgeport; M.A., Teachers College, Columbia University; Ph.D., University of Wisconsin.
Professor of Health and Physical Education
- DONALD C. HORTON, 1966. B.S., M.A., Ohio State University; Ph.D., University of Michigan.
Professor of Economics
- GEORGE R. HORTON, 1966. B.S.Ed., Ohio University; M.A., Ohio State University.
Assistant Professor of Industrial Arts
- WILLIAM R. HOSKINS, 1965. B.A., University of Washington; M.B.A., D.B.A., Indiana University; Certified Public Accountant, Washington.
Associate Professor of Marketing; Director, International Business Programs
- ARTHUR S. HOWARD, 1965. B.M., Oberlin Conservatory of Music; Pupil of Pierre Fournier, Andre Navarra, Maurice Gendron.
Associate Professor of Music
- JOHN A. HOWE, 1965. B.S., Bowling Green State University; M.S., Ph.D., University of Nebraska.
Assistant Professor of Geology
- ROBERT ROGERS HUBACH, 1947. B.A., University of Missouri; M.A., University of Colorado; Ph.D., Indiana University.
Associate Professor of English
- HOWARD B. HUFFMAN, 1948. B.S.Ed., Wilmington College; M.B.A., University of Denver; Ph.D., Ohio State University.
Professor of Business Administration
- RICHARD L. HUNTINGTON, 1966. B.Ch.E., M.S., Ohio State University.
Instructor in Physics
- PEGGY HURST, 1955. B.A., Wilson College; M.A., Ph.D., University of Wisconsin.
Associate Professor of Chemistry
- JACK H. HUTCHISON, 1966. B.A., Michigan State University; M.Ed., Pennsylvania State University; Ph.D., University of Iowa.
Associate Professor of Education
- ROBERT B. HUTCHISON, 1963. B.S., Kent State University; Ph.D., University of California, Berkeley.
Assistant Professor of Chemistry
- WILBERT HUTTON, 1959. B.S., University of Denver; Ph.D., Michigan State University.
Associate Professor of Chemistry
- MELVIN HYMAN, 1952. B.A., Brooklyn College; M.A., Ph.D., Ohio State University.
Professor of Speech; Director, Speech and Hearing Clinic
- ROBERT W. INNIS, 1960. B.S., Central Michigan College; M.S., Stout Institute; Ed.D., Michigan State University.
Assistant Professor of Industrial Arts
- WILLIAM B. JACKSON, 1957. B.A., M.A., University of Wisconsin; Sc.D., Johns Hopkins University.
Professor of Biology; Assistant Dean, College of Liberal Arts
- RONALD J. JACOMINI, 1965. B.Des., University of Florida; M.F.A., Bowling Green State University.
Instructor in Art
- ROBERTA WHITNEY JAWORSKI, 1965. B.M.E., University of Colorado; M.M., University of Michigan.
Instructor in Music

- WARREN JAWORSKI, 1966. B.M., M.M., University of Michigan.
Instructor in Music
- THEODORE J. JENSON, 1965. Ph.B., University of Chicago; M.S., Ph.D., University of Wisconsin.
Professor of Education; Dean, College of Education
- OLDRICH JICHA, 1949. B.A., Western Reserve University; M.B.A., Harvard University; Ph.D., University of Michigan.
Associate Professor of Business Administration
- HAROLD J. JOHNSON, 1966. B.A., University of Michigan; Ph.D., University of Illinois.
Associate Professor of Psychology
- WAYNE A. JOHNSON, 1965. B.A., Concordia College; M.S., Ph.D., University of Illinois; Certified Public Accountant, Illinois.
Assistant Professor of Accounting; Assistant Dean, College of Business Administration
- ARCHIE H. JONES, 1963. B.A., Carroll College; M.A., Ph.D., University of Chicago.
Professor of American Studies in the Departments of English and History; Dean, College of Liberal Arts
- CHARLES F. KAHLE, 1965. B.S., St. Joseph's College; M.S., Miami University; Ph.D., University of Kansas.
Assistant Professor of Geology
- MERCEDES H. KAINSKI, 1965. B.S., M.S., Ph.D., University of Wisconsin.
Associate Professor of Home Economics
- HOWARD H. KANE, 1946. B.S.B.A., University of Dayton; B.S.Ed., M.A., Ohio State University.
Professor of Accounting
- LOWRY B. KARNES, 1945. B.A., Muskingum College; M.A., Ph.D., Ohio State University.
Professor of Geography
- KATSUSHIGE KAZAOKA, 1964. B.A., Juniata College; M.A., DePauw University.
Assistant Professor of Psychology
- EDWIN L. KECK, 1966. B.S., M.B.A., Bowling Green State University.
Instructor in Marketing
- ROBERT J. KEEFE, 1955. B.A., Brooklyn College; M.A., Ed.D., Columbia University.
Professor of Health and Physical Education; Tennis Coach
- MARK KELLY, 1966. B.A., M.A., University of Iowa.
Assistant Professor of Music; Director of Bands
- JAMES PAUL KENNEDY, 1936. B.A., William Penn College; B.M.Ed., M.M., Northwestern University; Ph.D., University of Iowa; Study at the Matthay Pianoforte School, London, England.
Professor of Music; Director, School of Music
- ALLEN N. KEPKE, 1963. B.A., Otterbein College; M.A., Ohio State University; Ph.D., Michigan State University.
Assistant Professor of Speech
- RUTH K. KILMER, 1947. B.S.Ed., Duquesne University; B.S. in L.S., Western Reserve University.
Assistant Professor; Librarian
- VORIS V. KING, 1964. B.S., M.S., Illinois State University.
Assistant Professor of Geography
- THOMAS L. KINNEY, 1959. B.A., Swarthmore College; M.A., Ph.D., University of Michigan.
Assistant Professor of English
- WILLIAM A. KIRBY, 1961. B.A., M.A., University of Wyoming; Ph.D., University of Texas.
Associate Professor of Mathematics

- C. THOMAS KISSELLE, 1965. B.S.Ed., M.Ed., Bowling Green State University.
Instructor in Health and Physical Education; Assistant Football Coach
- JOSEPH E. KIVLIN,** 1965. B.S., University of Vermont; M.S., Ph.D., Pennsylvania State University.
Assistant Professor of Sociology
- LAURA DOUGLAS KIVLIN, 1961. B.S., University of Vermont; M.S., Ed.D., Pennsylvania State University.
Associate Professor of Home Economics
- RANDY KNAVEL, 1966. B.S., M.A., Bowling Green State University.
Instructor in Geography
- ELIZABETH KORTE, 1963. B.A., Simpson College; M.D., University of Iowa.
Assistant Professor; University Physician
- CORNELIS W. KOUTSTAAL, 1966. Diploma, Christelyke Kweekschool, Holland; Graduate, Clarke School for the Deaf; M.S., Springfield College; Ph.D., Western Reserve University.
Assistant Professor of Speech
- DAVID M. KRABILL, 1946. B.A., College of Wooster; M.A., Ph.D., Ohio State University.
Professor of Mathematics
- ESTHER KRABILL, 1962. B.S.Ed., Miami University; M.A., Ohio State University.
Instructor in Mathematics
- LAURA KRATZ, 1965. B.S., Ohio State University; M.A., Ohio Wesleyan University; Ph.D., Ohio State University.
Associate Professor of Health and Physical Education
- V. N. KRISHNAN, 1965. M.A., B.L., Madras University, India.
Instructor in Economics
- JOHN K. KUNSTMANN, 1964. B.A., University of Chicago; B.A., Valparaiso University; M.A., Ph.D., Northwestern University.
Assistant Professor of Geography
- CHARLES J. LAKOFSKY, 1948. Diploma, Cleveland Institute of Art; B.F.A., State University of New York, College of Ceramics at Alfred University; M.A., Ohio State University.
Professor of Art
- BERNARD J. LANDWEHR, 1964. B.S., Ohio Northern University; M.Ed., Bowling Green State University; Ed.D., University of Pittsburgh.
Associate Professor of Business Education
- MARY C. LANE, 1963. B.A., Lake Erie College; M.S., Pennsylvania State University.
Assistant Professor of Home Economics; Instructor in Nursery School.
- ELDON W. LANNING, 1965. B.S., Northwestern University; Ph.D., University of Virginia.
Assistant Professor of Political Science
- MACEDWARD LEACH, †† 1967. B.A., M.A., University of Illinois; Ph.D., University of Pennsylvania.
Visiting Professor of English
- VERLIN W. LEE, 1964. B.S., M.S., M.A., Marshall University; Ph.D., Ohio State University.
Professor of Education
- PAUL F. LEEDY, 1938. B.A., B.A. in L.S., M.A., Ph.D., University of Michigan.
Professor of English; Provost
- J. FREDERICK LEETCH, 1961. B.S., Grove City College; M.A., Ph.D., Ohio State University.
Associate Professor of Mathematics

††Second semester 1966-67.

** On leave 1966-67.

- VIRGINIA JOANNE LEIBFREID, 1966. B.S., Indiana State Teachers College; M.Ed., Pennsylvania State University.
Instructor in Home Economics
- LOWELL P. LELAND, 1946. B.A., Colby College; M.A., University of Maine; Ph.D., Ohio State University.
Associate Professor of English
- VIRGINIA E. LELAND, 1948.* B.A., Carson-Newman College; M.A., Ph.D., University of Chicago.
Assistant Professor of English
- DONALD C. LELONG, 1964. B.A., Middlebury College; M.A., Ph.D., Syracuse University.
Associate Professor of Economics; Assistant to the President; Director, Institutional Research and Planning
- DONALD B. LEVENTHAL, 1966. B.S., Chattanooga University; M.S., Baylor University; Ph.D., University of Houston.
Professor of Psychology
- BERNARD LINDEN, 1960. B.F.A., University of Pennsylvania; M.M., D.M.A., University of Michigan.
Associate Professor of Music
- RICHARD H. LINEBACK, 1965. B.A., University of Cincinnati; M.A., Ph.D., Indiana University.
Assistant Professor of Philosophy
- LOY D. LITTLEFIELD, 1966. B.A., M.A., University of Oklahoma.
Instructor in Philosophy
- CLIFFORD A. LONG, 1959. B.S., M.S., Ph.D., University of Illinois.
Associate Professor of Mathematics
- DONALD S. LONGWORTH,** 1949. B.S.Ed., M.A., Bowling Green State University; Ph.D., Ohio State University.
Professor of Sociology
- MILFORD S. LOUGHEED, 1955. B.A.Sc., University of British Columbia; M.A., Ph.D., Princeton University.
Professor of Geology; Chairman, Department of Geology
- KATHLEEN P. LOWRY, 1966. B.S., M.A., Ball State University.
Instructor in Education
- DOROTHY M. LUEDTKE, 1950. B.S.Ed., M.S.Ed., Bowling Green State University.
Assistant Professor of Health and Physical Education; Director, Intramural Activities for Women
- MARILYNN LYKE,** 1964. B.A., Otterbein College; M.A., Bowling Green State University.
Instructor in Health and Physical Education
- BEVARS D. MABRY, 1959. B.B.A., University of Chattanooga; M.S., University of Tennessee; Ph.D., Tulane University.
Professor of Economics; Chairman, Department of Economics
- ELIZABETH MACKEY, 1965. B.S., Bowling Green State University; M.S., Ohio State University.
Assistant State Supervisor in Vocational Home Economics
- STEPHEN MAGADA, 1965. B.S., Kent State University; M.F.A., University of Colorado.
Assistant Professor of Art
- PAUL MAKARA, 1958. Diploma, Juilliard School of Music; B.M., M.M., Eastman School of Music; D.M.A., University of Michigan.
Associate Professor of Music
- JOSEPH J. MANCUSO, 1960. B.A., Carleton College; M.S., University of Wisconsin; Ph.D., Michigan State University.
Associate Professor of Geology

*Not continuous service.

** On leave 1966-67.

- MAURICE I. MANDELL, †† 1953. B.S., New York University; M.B.A., Syracuse University; D.B.A., Indiana University.
Professor of Marketing; Chairman, Department of Marketing
- LOUIS E. MARINI, 1964. B.P.S.M., Mt. Union College; M.A., Vandercook College of Music.
Instructor in Music
- BYRON H. MARLOWE, 1963. B.S., University of Illinois; M.A., University of Cincinnati.
Instructor in Political Science
- THOMAS C. MAROUKIS, † 1965. B.A., Westminster College; M.A., Duquesne University.
Instructor in History
- ELDEN W. MARTIN, 1963. B.S., M.S., Kansas State University; Ph.D., University of Illinois.
Assistant Professor of Biology
- GEORGE S. MASANNAT, 1964. B.A., Millikin University; M.A., Louisiana State University; Ph.D., University of Oklahoma.
Assistant Professor of Political Science
- HARRY R. MATHIAS, 1931. B.A., Indiana Central College; M.A., Indiana University.
Associate Professor of Mathematics
- ANDREA MAYHER, 1965. B.S., State Teachers College, California, Pa.; M.A., Bowling Green State University.
Instructor in Geography
- ROBERT D. MAZUR, 1965. B.F.A., M.F.A., Bowling Green State University.
Instructor in Art
- JAMES H. MCBRIDE, 1966. B.S., Muskingum College; M.A., University of Colorado; Ph.D., Western Reserve University.
Assistant Professor of Education; Director, Firelands Branch
- KENNETH H. MCFALL, 1943. B.S., Mt. Union College; M.A., Ph.D., Western Reserve University.
Professor of Psychology; Vice President
- ROBERT E. MCKAY, 1944. B.A., M.S., Ohio State University.
Assistant Professor of Physics; Director, Student Financial Aid
- DOROTHY McMEEKIN, 1964. B.A., Wilson College; M.A., Wellesley College; Ph.D., Cornell University.
Assistant Professor of Biology
- DONALD E. McVICKER, 1962. B.A., M.A., University of Chicago.
Instructor in Sociology
- NORMAN J. MEYER, 1959. B.A., University of South Dakota; Ph.D., University of Kansas.
Associate Professor of Chemistry
- FRANK L. MIESLE, 1948. B.A., M.A., Bowling Green State University; Ph.D., Ohio State University.
Professor of Speech; Chairman, Department of Speech
- DAN P. MILLAR, 1966. B.A., Wabash College; M.A., Northwestern University.
Instructor in Speech
- DWIGHT R. MILLER, 1965. B.A., M.A., University of Omaha; Ph.D., University of Minnesota.
Associate Professor of Education
- NORMAN C. MILLER, 1966. B.S., St. Vincent College; M.A., Ph.D., University of Pittsburgh.
Assistant Professor of Economics

††On leave second semester 1966-67.

†On leave first semester 1966-67.

- CHESTER O. MILLS, 1964. B.S.Ed., M.A., Ph.D., Ohio State University.
Associate Professor of Business Education
- HARVEY D. MINER, 1947. B.S.Ed., Bowling Green State University; M.Ed., Ohio University.
Assistant Professor of Industrial Arts
- DARREL G. MINIFIE, 1964. B.A., M.A., Montana State University; Ed.D., Colorado State College.
Associate Professor of Education
- ELSIE MINIFIE, 1965. B.A., Buena Vista College; M.A., Colorado State College.
Instructor in Education
- AHMAD SAMI A. MOHSEN, 1965. B.A., Ain Shams University, Egypt; M.A., University of Michigan.
Instructor in Sociology
- SAFIA K. MOHSEN, 1966. LL.B., Ain Shams University, Egypt; M.A., University of Michigan.
Instructor in Sociology
- OWEN D. MONTGOMERY, 1946. B.S.Ed., Ohio University; M.Ed., University of Pittsburgh.
Assistant Professor of Business Education
- ROBERT C. MOOMAW, 1966. B.S., Ohio State University; M.Ed., Bowling Green State University.
Instructor in Education
- MICHAEL A. MOORE, 1965. B.A., College of Wooster; M.A., Ph.D., Western Reserve University.
Assistant Professor of History
- ROBERT J. MOORE, 1966. B.M., Oberlin Conservatory; M.M., University of Maryland.
Instructor in Music
- ERMA JEAN MORGAN, 1962. B.A., Bowling Green State University; A.M.L.S., University of Michigan.
Instructor; Librarian
- WALTER D. MORRIS, 1962. B.A., University of California at Los Angeles; M.A., Ph.D., University of Texas.
Associate Professor of German and Russian
- CHARLES F. MOTT, 1966. B.S., University of Dayton; M.A., Ph.D., Indiana University.
Assistant Professor of Business Administration
- BONNIE MOTTER, 1965. B.S., M.Ed., Bowling Green State University.
Instructor in health and physical Education
- DOROTHY EVELYN MOULTON, 1946. B.A., Randolph-Macon Woman's College; M.A., University of Pittsburgh; Ph.D., University of Michigan.
Associate Professor of English
- C. VIRGINIA MYERS,†† 1946. B.A., College of Wooster; M.A., Radcliffe College; M.Litt., University of Cambridge, England.
Assistant Professor of English
- JAMES E. NAGEL, 1966. B.S., Defiance College; M.S., St. Cloud State College.
Instructor in Business Education
- ARTHUR G. NEAL, 1960. B.A., Concord College; M.A., Ph.D., Ohio State University.
Associate Professor of Sociology
- DONALD NEHLEN, 1965. B.S., Bowling Green State University; M.A., Kent State University.
Instructor in Health and Physical Education; Assistant Football Coach

††On leave second semester 1966-67.

- ELIZABETH A. NEIDECKER, 1962. B.S., Ohio State University; M.A., Western Reserve University.
Assistant Professor of Speech
- RALPH B. NELSON, 1960. B.S., Northern Michigan College; M.A., Michigan State University.
Assistant Professor of Industrial Arts and Engineering Drawing
- JOSEPH S. NEMETH, 1965. B.Ed., Duquesne University; M.Ed., Ed.D., University of Pittsburgh.
Associate Professor of Education; Director, Reading Center
- RICHARD C. NEUMANN, 1961. B.A., M.A., Michigan State University; C.P.A., Michigan, Ohio.
Associate Professor of Accounting; Director, Computational Services
- DAVID S. NEWMAN,†† 1965. B.A., Earlham College; M.S., New York University; Ph.D., University of Pennsylvania.
Assistant Professor of Chemistry
- JOSEPH A. NORDSTRÖM, 1966. B.S., Northeastern University; M.S., Massachusetts Institute of Technology.
Visiting Associate Professor of Business Administration
- HAROLD B. OBEY, 1946. B.A., Adrian College; M.A., Ph.D., Ohio State University.
Associate Professor of Speech; Director, University Theatre
- NELSON R. OBER, 1966. B.S., M.S., University of Kansas.
Instructor in Speech
- OTTO G. OCVRK, 1950. B.F.A., M.F.A., University of Iowa.
Professor of Art
- JAMES E. ODENKIRK, 1964. B.S.Ed., M.A., Ohio State University; Ed.D., Columbia University.
Assistant Professor of Health and Physical Education
- NORBERT F. O'DONNELL,** 1953. B.A., Wittenberg University; M.A., Ph.D., Ohio State University.
Professor of English
- RICHARD R. OGDEN, 1966. B.A., College of Wooster; M.E., University of Toledo.
Intern Instructor in Education
- FRANK CHAPPELL OGG, 1931. B.A., University of New Mexico; M.A., Ph.D., University of Illinois.
Professor of Mathematics
- JOHN F. OGLEVEE, 1949. B.A., M.A., Ph.D., Ohio State University.
Professor of History
- JAMES W. O'LEARY, 1966. B.S., M.S., Ohio State University; Ph.D., Duke University.
Assistant Professor of Biology
- PAUL A. O'MEARA, 1966. B.S., University of Utah; M.S., San Diego State College; Ph.D., University of Alberta.
Assistant Professor of Mathematics
- LORRENE L. ORT, 1956. B.M., Oberlin College; M.A., Ph.D., Ohio State University.
Professor of Education; Director of Student Teaching
- VERGIL K. ORT, 1956. B.A., Defiance College; M.A., University of Michigan; Ph.D., Ohio State University.
Associate Professor of Education; Assistant to the Dean, College of Education
- IRWIN OSTER, 1966. B.S., Long Island University; Ph.D., Indiana University.
Associate Professor of Biology

††On leave second semester 1966-67.

**On leave 1966-67.

- DONALD E. OWEN, 1964. B.S., Lamar State College of Technology; M.S., Ph.D., University of Kansas.
Assistant Professor of Geology
- B. D. OWENS,** 1962. B.S., Northwest Missouri State College; Ph.D., University of Pennsylvania.
Associate Professor of Business Administration
- JANIS LOUISE PALLISTER, 1961. B.A., M.A., Ph.D., University of Minnesota; Certificat, University of Sorbonne, Paris.
Assistant Professor of Romance Languages
- JANET B. PARKS, 1965. B.S., University of Chattanooga; M.S., Illinois State University.
Instructor in Health and Physical Education
- PAUL E. PARNELL, 1960. B.Ed., State University College of Education at Brockport; M.A., Ph.D., New York University.
Associate Professor of English
- BERYL MARGARET PARRISH, 1946. B.S.Ed., M.A., Ohio State University.
Associate Professor of English
- SOPHIE GINN PASTER, 1961. B.S., M.S., Juilliard School of Music.
Assistant Professor of Music
- FAYETTA MAE PAULSEN, 1963. B.S., Western Michigan University; M.S., MacMurray College.
Associate Professor; Dean of Women
- ALMA J. PAYNE, 1946. B.A., College of Wooster; M.A., Ph.D., Western Reserve University.
Professor of English
- HELMUT PELLISCHEK-WILSDORF, 1966. B.A., Ph.D., Teachers Training College of Salzburg, Austria.
Visiting Lecturer in German and Russian
- JOHN T. PENDLETON, 1965. B.S.Ed., Bowling Green State University.
Instructor in Industrial Arts
- DOYT L. PERRY, 1955. B.S.Ed., Bowling Green State University; M.A., Ohio State University.
Professor of Health and Physical Education; Director of Athletics
- JOSEPH B. PERRY JR., 1959.* B.S., North Texas State University; M.A., University of Texas; Ph.D., Washington State University.
Associate Professor of Sociology
- PATRICIA L. PETERSON, 1963. B.S.Ed., Wittenberg College; M.P.E., Indiana University.
Instructor in Health and Physical Education
- TREVOR J. PHILLIPS, 1963. B.A., Sir George Williams University; Diploma, McGill University Institute of Education; M.A., Ph.D., University of Connecticut.
Assistant Professor of Education
- ASA B. PIERATT JR., 1966. B.A., Kalamazoo College; M.A.L.S., University of Michigan.
Instructor; Librarian
- GILBERT E. PIERCE,† 1966. B.A., B.S., Bowling Green State University; Certificate in Meteorology, University of Chicago; M.B.A., Michigan State University.
Instructor in Accounting
- FRED FIGGE, 1964. B.S., Rio Grande College; M.Ed., Ph.D., Ohio University.
Assistant Professor of Education
- GROVER C. PLATT, 1946. B.A., University of Iowa; M.A., Tufts University; Ph.D., University of Iowa.
Professor of History

** On leave 1966-67.

† First semester 1966-67.

* Not continuous service.

- VIRGINIA BEVER PLATT, 1947. B.A.Ed., University of Washington; M.A., University of California, Berkeley; Ph.D., University of Iowa.
Professor of History
- NEIL A. POHLMANN, 1962.* B.S., M.Ed., Ed.S., Bowling Green State University.
Instructor in Education
- DAVID J. POPE, 1963. B.M., M.M., Florida State University.
Instructor in Music
- BOLES LAV S. POVSIĆ, 1963. Maturita Classica, Ginnasio-Liceo Massimo D'Azeglio, Torino, Italy; Laurea di Dottore in Lettere, University of Rome, Italy.
Assistant Professor of Romance Languages
- DIANE GOODRICH PRETZER, 1962. B.A., Knox College; M.A., University of Iowa; Ph.D., Indiana University.
Assistant Professor of Romance Languages
- WALLACE L. PRETZER, 1963. B.A., Valparaiso University; M.A., Ed.D. in English, University of Michigan.
Assistant Professor of English
- JOSEPH G. PRICE, 1962. B.A., St. Joseph's College; M.A., Georgetown University; Ph.D., Bryn Mawr College.
Associate Professor of English
- ARVO PUUKARI, 1966. B.S., M.B.A., Licenciate, Helsinki School of Business Administration, Finland.
Visiting Professor of Marketing
- BERNARD RABIN, 1955. B.Ed., State University College of Education at Plattsburg; M.A.Ed., Syracuse University; Ed.D., Columbia University.
Professor of Education
- DONALD M. RAGUSA, 1965. B.A., M.A., Ph.D., State University of New York at Buffalo.
Assistant Professor of Psychology
- KARL G. RAHDERT, 1960. B.S., M.B.A., D.B.A., Indiana University.
Professor of Business Administration; Director, Graduate Studies in Business
- JAMES F. RAMALEY, 1966. B.S., Ohio State University; M.A., University of California, Berkeley; Ph.D., University of New Mexico.
Assistant Professor of English
- DANIEL B. RAMSDALL,** 1961. B.A., M.A., Ph.D., University of Wisconsin.
Assistant Professor of History
- ELGIE V. RAYMOND, 1966. B.A., M.S.W., University of Kansas.
Instructor in Sociology
- LOUISE F. REES, 1964. Ph.B., Shurtleff College; B.S. in L.S., University of Illinois; M.A., University of Chicago.
Associate Professor of Library Science; Chairman, Department of Library Science
- THOMAS P. REICOSKY, 1966. B.S., M.Ed., Bowling Green State University.
Instructor in Health and Physical Education
- EVELYN J. REISER, 1962. B.S.Ed., M.A., Bowling Green State University.
Assistant Professor of English
- VICTOR E. REPP, 1960. B.S.Ed., New York State Teachers College at Oswego; M.Ed., University of Maryland.
Assistant Professor of Industrial Arts

*Not continuous service.

** On leave 1966-67.

- CHARLES C. RICH, 1958. B.A., Wittenberg University; M.A., Ph.D., Harvard University.
Associate Professor of Geology; Director, University Honors Program
- JAMES R. RICHARDSON, 1965. B.S., Miami University; M.S., University of Toledo.
Instructor in Health and Physical Education; Supervisor, Golf Course
- ANNE RIDGEWAY, †† 1967. B.S., B.A., M.A., Ph.D., Bowling Green State University.
Visiting Assistant Professor of English
- ROBERT G. RIEGLE, 1947. B.S.Ed., Bowling Green State University; LL.B., Ohio State University. (Licensed attorney in Ohio and Federal Courts, and I.C.C.)
Associate Professor of Business Administration
- LEO R. RIFT, 1965. B.A., M.A., University of Denver.
Assistant Professor; Librarian
- ELTON C. RINGER, 1946. B.S.Ed., M.S.Ed., Ed.S., Bowling Green State University.
Associate Professor; Business Manager; Controller
- WILLIAM R. ROCK, 1958. B.A., Gettysburg College; M.A., Ph.D., Duke University.
Associate Professor of History
- JAMES P. RODECHKO, 1966. B.A., Hofstra University; M.A., University of Connecticut.
Instructor in History
- A. ROBERT ROGERS, 1959. B.A., University of New Brunswick; M.A., University of Toronto; Academic Post-Graduate Diploma in Librarianship, University of London; Ph.D., University of Michigan.
Associate Professor; Director, University Library
- DAVID C. ROGERS, 1965. B.M., M.M., University of Michigan.
Instructor in Music
- DAVID C. ROLLER, 1964. B.A., College of William and Mary; M.A., Ph.D., Duke University.
Assistant Professor of History
- JEROME H. ROSE, 1963. B.S., Mannes School of Music; M.S., Juilliard School of Music.
Assistant Professor of Music; Artist-in-Residence
- BENJAMIN G. ROSENBERG, 1955. B.A., M.A., Ph.D., University of California, Berkeley.
Professor of Psychology
- TIMOTHY L. ROSS,* 1965. B.S., M.B.A., Bowling Green State University; Certified Public Accountant, Ohio.
Assistant Professor of Accounting
- HOWARD O. ROWE, 1966. B.A., College of Idaho; M.Ed., Oregon State University.
Intern Instructor in Education
- ROSS L. ROWE, 1965. B.S., University of Idaho; M.S., Ed.D., University of Oregon.
Associate Professor of Education
- DON K. ROWNEY, 1963. B.A., St. Meinrad Seminary; M.A., Area Certificate—Russian Institute; Ph.D., Indiana University.
Assistant Professor of History
- JAMES R. ROYSE, 1966. B.A., University of Louisville; M.A., University of Chicago.
Instructor in Philosophy
- EMANUEL RUBIN, 1965. B.F.A., B.M., Carnegie Institute of Technology; M.F.A., Brandeis University.
Instructor in Music

*On leave 1966-67.

††Second semester 1966-67.

- JAMES J. RUEHL, 1956. B.S., Ohio State University; M.S., Bowling Green State University.
Assistant Professor of Health and Physical Education; Assistant Football Coach
- PAUL D. RUNNING, 1956. B.A., St. Olaf College; M.F.A., Ph.D., University of Iowa.
Professor of Art
- ELFREDA M. RUSHER, 1950. B.S.Ed., Ohio Northern University; M.A., Ph.D., Ohio State University.
Professor of Business Education
- DONALD EDWIN RYAN, 1965. A.A., Del Mar College; B.A., M.A., Ph.D., University of Texas.
Assistant Professor of Mathematics
- F. JAMES RYBAK, 1964. B.S., Kent State University; Ph.D., Ohio State University.
Associate Professor of Education
- BROWNELL SALOMON, 1966. B.A., M.A., University of Florida; Ph.D., Tulane University.
Assistant Professor of English
- MAURICE O. SANDY, 1962. B.S.Ed., Bowling Green State University; M.S., University of California at Los Angeles.
Assistant Professor of Health and Physical Education; Director, Men's Intramural Athletics
- ROBERT SANOV, 1964. B.M., M.M., Northwestern University.
Assistant Professor of Music
- MOTUPALLI SATYANARAYANA, 1966. B.A., Hindu College, India; M.A., Andhra University, India; Ph.D., University of Wisconsin.
Assistant Professor of Mathematics
- ANTHONY SAVILLE, 1964. B.S., Illinois State University at Normal; M.Ed., D.Ed., University of Missouri.
Associate Professor of Education; Chairman, Department of Education
- **ALLAN SAWDY, 1944. B.S., Michigan State Normal College; M.Ed., Bowling Green State University.
Associate Professor of Health and Physical Education; Head Athletic Trainer
- EMILY JEAN SCHALLER, 1964. B.S.Ed., M.S.Ed., Bowling Green State University.
Instructor in Education
- WILLIAM F. SCHMELTZ, 1947. B.B.A., University of Toledo; M.B.A., Harvard Graduate School of Business Administration; Ph.D., Western Reserve University; Certified Public Accountant, Ohio.
Professor of Accounting; Dean, College of Business Administration; Military Coordinator, ROTC Units
- ALFRED C. SCHNUR, 1966. B.A., University of Pittsburgh; Ph.M., Ph.D., University of Wisconsin.
Visiting Professor of Sociology
- WARREN J. SCHOLLER, 1958. B.S.Ed., Ohio State University; M.Ed., Xavier University.
Assistant Professor of Health and Physical Education; Head Basketball Coach
- KARL M. SCHURR, 1962. B.A., M.A., Bowling Green State University; Ph.D., University of Minnesota.
Assistant Professor of Biology
- TOMA SCHWARTZ, 1966. Diploma in Arts, Institute Gh. Dima, Cluj, Roumania; Diploma in Performance, Geneva, Switzerland; Master Class with Guido Agosti, Siena, Italy.
Instructor in Music
- J. CONRAD SCHWARZ, 1962. B.S., Pennsylvania State University; M.A., Ph.D., Ohio State University.
Assistant Professor of Psychology

**Deceased March 9, 1967.

- JOHN PAUL SCOTT, 1965. B.A., University of Wyoming; B.A., Oxford University; Ph.D., University of Chicago.
Research Professor of Psychology; Director, Graduate Studies in Psychology; Director, Center for Research on Social Behavior
- RONALD E. SEAVOY, 1965. B.A., M.A., University of Michigan.
Instructor in History
- M. SUE HENDERSON SEID, 1966. B.A., Hanover College; M.M., Drake University.
Instructor in Music
- KENNETH M. SHERBERG, 1966. B.A., University of Denver; Ph.D. University of Nebraska.
Assistant Professor of Psychology
- DONALD E. SHEPARDSON, 1966. B.S., Eastern Illinois University; M.A., University of Illinois.
Instructor in History
- JAMES V. SHINDLER, 1966. B.S., Ohio State University; J.D., University of Toledo; Certified Public Accountant, Ohio.
Assistant Professor of Accounting
- HOWARD L. SHINE, 1960. B.A., M.A., Bowling Green State University; LL.B., George Washington University. (Licensed attorney in District of Columbia and Federal Courts.)
Assistant Professor of Speech
- DZIDRA SHLLAKU, 1959. Graduate (Abitur), Classical Gymnasium, Jelgava, Latvia; Ph.D., University of Bologna, Italy.
Assistant Professor of German and Russian
- L. EDWARD SHUCK JR., 1964. B.A., Stanford University; M.A., Ph.D., University of Southern California.
Associate Professor; Director, International Programs
- M. JOY SIDWELL, 1964. B.S., M.A., Michigan State University.
Instructor in Health and Physical Education
- SANFORD SILVERSTEIN, 1966. B.A., M.A., University of Illinois.
Visiting Assistant Professor of Sociology
- BERTIL G.F. SIMA, 1946. B.A., State Experimental College, Stockholm, Sweden; M.A., Ph.D., University of Leipzig, Germany.
Professor of German and Russian
- VIRGINIA SIMONSON, 1964. B.S., Ball State University; M.M., University of Michigan.
Instructor in Music
- WILLARD E. SINGER, 1927. B.S., Capital University; B.E.E., M.A., Ph.D., Ohio State University.
Professor of Physics; Chairman, Department of Physics
- EDGAR B. SINGLETON, 1959. B.S., M.S., Ohio University; Ph.D., Ohio State University.
Associate Professor of Physics
- DAVID C. SKAGGS, 1965. B.S., M.A., University of Kansas; Ph.D., Georgetown University.
Assistant Professor of History
- RUDOLF SKANDERA, 1966. Degree, Technical University of Prague, Czechoslovakia; M.S., Ph.D., Columbia University.
Professor of Accounting and Business Administration
- HAROLD SKINNER, 1965. B.S., Houghton College; M.M., Eastman School of Music.
Associate Professor of Music
- IRENE SKINNER, 1966. B.S., M.S., Cornell University.
Instructor in Home Economics
- PHILLIP SLAYMAKER, 1966. B.S., Ohio State University; M.Ed., Bowling Green State University.
Intern Instructor in Education

- DONNAL V. SMITH, ‡ 1961. B.S., Bowling Green State University; M.A., Ph.D., University of Chicago; LL.D., Bowling Green State University.
Professor of History; Dean of Students
- EUGENE V. SMITH, 1964. B.A., DePauw University; M.S., Trinity University; Ph.D., Purdue University.
Assistant Professor of Sociology
- OLIN W. SMITH, 1966. B.A., Ph.D., Cornell University.
Research Professor of Psychology
- PATRICIA C. SMITH, 1966. B.A., University of Nebraska; Ph.D., Cornell University.
Professor of Psychology
- RONALD D. SMITH, 1966. B.S., Oregon College of Education; M.Ed., University of Oregon.
Instructor in Education
- ELDON E. SNYDER, 1964. B.A., Southwestern College; M.S.Ed., Ed.D., University of Kansas.
Assistant Professor of Sociology
- EMANUEL SOLON, 1965. B.S., City College of New York; Ph.D., University of Texas.
Assistant Professor of Chemistry
- BEATRICE SPRIGGS, 1965. B.A., Mary Hardin-Baylor College; M.A.L.S., University of Denver.
Instructor; Librarian
- HAROLD GLENDON STEELE, 1946. B.A., Northwestern University; M.A., Ohio State University.
Associate Professor of English
- NANCY G. STEEN, 1966. B.A., M.A., Bowling Green State University; M.A.L.S., University of Michigan.
Instructor; Librarian
- LOUIS H. STEINERT, ‡‡ 1967. B.S., Northwestern University; Ph.D., Ohio State University.
Visiting Instructor in Chemistry
- PHILIP H. STEPHAN, 1963. B.A., M.A., Yale University; Ph.D., University of California, Berkeley.
Assistant Professor of Romance Languages
- HELEN M. STEPHENS, 1964. B.S., University of Kentucky; M.S., Purdue University.
Assistant Professor of Home Economics
- NANCY STEPP, † 1965. B.S., Memphis State University; M.A., University of Virginia.
Instructor in English
- ROBERT E. STINSON, 1949. B.F.A., University of Illinois; M.A., M.F.A., University of Iowa.
Associate Professor of Art
- SIDNEY C. STONE, 1944. B.A., M.A., Ohio Wesleyan University.
Associate Professor of Speech; Director, University Radio Station WBGU
- RONALD E. STONER, 1965. B.S., Wabash College; M.S., Ph.D., Purdue University.
Assistant Professor of Physics
- THOMAS G. STUBBS, 1963. B.S.Ed., Bowling Green State University; M.A., Kent State University.
Assistant Professor of Health and Physical Education; Varsity Swimming Coach
- GALEN STUTSMAN, 1950. B.S.Ed., M.A., Ph.D., Ohio State University.
Professor of Business Education

‡Retired on Jan. 31, 1967.

‡‡Second semester 1966-67.

†On leave first semester 1966-67.

- ARNOLD H. SUTIN, 1966. B.A., Brooklyn College; LL.B., LL.M., Brooklyn Law School; S.J.D., New York Law School.
Assistant Professor of Business Administration
- SANDRA SUTPHEN, 1966. B.A., Douglass College; M.A., Rutgers University.
Instructor in Political Science
- BRIAN SUTTON-SMITH,†† 1956. B.A., M.A., Dip. Ed., Ph.D., University of New Zealand.
Professor of Psychology
- JAMES H. SYNNAMEON, 1946. B.S., Bowling Green State University.
Storeroom Manager and Technician in Chemistry
- JOSEPH SZERTICS, 1964. Licenciante, Ph.D., University of Madrid.
Assistant Professor of Romance Languages
- SIMONE SZERTICS,†† 1964. Licence es-Lettres d'enseignement, University of Grenoble, France.
Instructor in Romance Languages
- WALLACE W. TAYLOR JR., 1957. B.A., Emory University; M.Ed., University of Georgia.
Assistant Professor; Dean of Men
- INA G. TEMPLE, 1966. B.S., M.S., University of Wisconsin.
Instructor in Health and Physical Education
- WALLACE L. TERWILLIGER, 1965. B.S., State Teachers College, Clarion, Pa.; M.A., Ph.D., Washington State University.
Assistant Professor of Mathematics
- JACK RAY THOMAS, 1965. B.A., Youngstown University; M.A., Kent State University; Ph.D., Ohio State University.
Assistant Professor of History
- ROLLIN G. THOMAS, 1965. B.A., Cornell College; M.A., Ph.D., University of Chicago.
Visiting Professor of Economics
- CHARLOTTE P. TIMM, 1961. B.A., M.A., A.M.L.S., University of Michigan.
Instructor; Librarian
- JACQUELINE E. TIMM, 1946. B.A., M.A., Ph.D., University of Texas.
Professor of Political Science
- HAROLD E. TINNAPPEL, 1949. B.S.Ed., M.A., Ph.D., Ohio State University.
Professor of Mathematics
- AIDA K. TOMEH, 1962.* B.A., American University of Beirut, Lebanon; M.A., Ph.D., University of Michigan.
Assistant Professor of Sociology
- AMY TORGERSON, 1948. B.S.Ed., Central Missouri State College; M.A., New York University.
Associate Professor of Health and Physical Education
- JOHN R. TOSCANO, 1963. B.A., M.A., University of Wyoming; Ed.D., Stanford University.
Associate Professor of Education
- RALPH N. TOWNSEND, 1960. B.S., Illinois Wesleyan University; M.S., Ph.D., University of Illinois.
Associate Professor of Mathematics
- JOYCE P. TRACEY, 1966. B.S., M.Ed., Bowling Green State University.
Instructor in Education
- IVAN TRUSLER, 1966. B.S., M.S., Kansas State Teachers College; Ed.D., Columbia University.
Associate Professor of Music; Director, Choral Activities

††On leave second semester 1966-67.

*Not continuous service.

- ANDREW T. TSUBAKI, 1964. B.A., Tokyo Gakugei University; M.F.A., Texas Christian University.
Instructor in Speech
- DUANE E. TUCKER, 1959. B.A., Kansas State Teachers College at Emporia; M.A., Ph.D., University of Wisconsin.
Associate Professor of Speech; Director of Television
- TOM HOLLINGSWORTH TUTTLE, 1946. B.A., M.A., University of Texas; Ph.D., University of Southern California.
Professor of Philosophy
- ROBERT W. TWYMAN, 1948. B.A., Indiana University; M.A., Ph.D., University of Chicago.
Professor of History
- DONALD F. UNGURAIT, 1965. B.S., Indiana State University; M.S., University of Wisconsin.
Instructor in Speech; Producer-Director, WBGU-TV
- CAROL A. VALE, 1966. B.A., University of California, Los Angeles; Ph.D., University of California, Berkeley.
Assistant Professor of Psychology
- JACK R. VALE, 1966. B.A., University of California, Los Angeles; Ph.D., University of California, Berkeley.
Assistant Professor of Psychology
- MARTHA VAN LIEU, 1965. B.S., Bowling Green State University.
Assistant Instructor in Home Economics
- LELAND S. VAN SCOYOC, 1946. B.S., M.S., Kansas State University; D.B.A., Indiana University.
Professor of Economics
- GLENN I. VAN WORMER, 1947. B.S.Ed., M.Ed., Bowling Green State University.
Associate Professor; Registrar
- BRUCE R. VOGELI,** 1959. B.S., Mt. Union College; M.A., Kent State University; Ph.D., University of Michigan.
Associate Professor of Mathematics
- HENRY VOGTSBERGER, 1959. B.A., Oberlin College; M.D., Western Reserve University.
Associate Professor; University Physician
- HARMON VOSKUIL, 1946. B.A., Hope College; M.A., University of Minnesota.
Professor of Economics
- ALICE P. SCHOCKE WALL, 1946. B.S.Ed., Miami University; M.S., Ohio State University.
Associate Professor of Home Economics
- DONALD R. WALLIS JR., 1966. B.A., Washington and Lee University; M.A., Bowling Green State University.
Instructor in Journalism
- WILLARD F. WANKELMAN, 1946. B.S.Ed., Ohio State University.
Professor of Art; Chairman, Department of Art
- EDWARD H. WARD, 1965. B.S., Bowling Green State University; LL.B., University of Michigan.
Assistant Professor of Business Administration; Adviser, Student Court
- WARREN C. WATERHOUSE, 1959. B.Ed., Wisconsin State University at Eau Claire; M.B.A., University of Denver; Ph.D., Northwestern University.
Professor of Business Administration; Assistant Dean, College of Business Administration
- CHARLES R. WEBB, 1966. B.S., Bowling Green State University; M.B.A., Western Reserve University; C.P.A., Ohio.
Assistant Professor of Accounting

**On leave 1966-67.

- JOSEPH E. WEBER, 1937. B.A., M.A., Ph.D., Indiana University.
Professor of Chemistry
- MARTHA GESLING WEBER, 1946. B.A., Ohio Northern University; M.A., Ohio State University; Ph.D., Duke University.
Professor of Education
- JAMES E. WHEELER,† 1965. B.S., Bowling Green State University; M.S., University of Illinois; C.P.A., Ohio.
Assistant Professor of Accounting
- A. JOHN WHITE, 1966. B.S., M.A., Bowling Green State University.
Instructor in Health and Physical Education
- MARY ELIZABETH WHITNEY, 1952. B.S.Ed., University of Michigan; M.A., New York University.
Associate Professor of Health and Physical Education
- RAYMOND C. WHITTAKER, 1949. B.S., M.A., Bowling Green State University.
Assistant Professor; Assistant Dean of Students,‡ Interim Dean of Students,‡‡
- ROBERT H. WHITTAKER, 1941. B.S.Ed., Miami University; M.A., Bowling Green State University.
Associate Professor of Health and Physical Education; Track Coach
- E. ELOISE WHITWER, 1946. B.A., Grand Island College; M.A., University of Nebraska.
Associate Professor of Biology
- PHILIP R. WIGG, 1948. B.A., Park College; M.F.A., University of Iowa.
Professor of Art
- ALLEN V. WILEY, 1946. B.A., M.A., Lafayette College.
Associate Professor of Economics
- DORIS K. WILLIAMS, 1965. B.S., M.S., Ohio University.
Instructor in Home Economics
- FRED E. WILLIAMS, 1959. B.S., M.A., Florida State University; Ed.D., Indiana University.
Associate Professor of Education
- LAURA WILSON, 1964. B.A., Manchester College; M.S., Ohio State University.
Assistant Professor of Home Economics
- DONALD MARVIN WINKELMAN, 1965. B.A., M.A., Ohio State University.
Instructor in English
- E. HARRY WOHLER, 1946. B.A., Wittenberg University; M.A., University of Toledo.
Assistant Professor of Mathematics
- VERNON WOLCOTT,* 1962. B.M., Curtis Institute; M.S.M., Union Theological Seminary.
Assistant Professor of Music
- WARREN J. WOLFE, 1961. B.A., DePauw University; M.A., Ph.D., Indiana University.
Associate Professor of Romance Languages
- JAMES CLYDE WRIGHT, 1947. B.A., Muskingum College; M.A., Ph.D., Ohio State University.
Associate Professor of Psychology; Assistant Director, Counseling Center
- THOMAS L. WYMER, 1966. B.A., Rice University.
Instructor in English

†On leave first semester 1966-67.

‡First semester 1966-67.

‡‡Feb. 1, 1967.

*On leave 1966-67.

- LUBOMYR R. WYNAR, 1965. M.A., Ph.D., Ukrainian Free University (Munich); M.S. in L.S., Western Reserve University.
Assistant Professor; Librarian
- RAYMOND YEAGER, 1950. B.S.Ed., M.A., Bowling Green State University; Ph.D., Ohio State University.
Professor of Speech
- MARGARET YOCOM, 1929. B.A., Oberlin College; B.S. in L.S., Western Reserve University.
Professor; Librarian
- WILLIAM J. YORK, †† 1967. B.A., Iowa State Teachers College; D.Ed., Teachers College, Columbia University.
Associate Professor of Education
- CHARLES W. YOUNG, 1945. B.A., Ohio Wesleyan University; M.A., Ph.D., Ohio State University.
Professor of Education
- FREDERICK J. YOUNG, 1961. B.M.Ed., University of Wichita; M.M., Oberlin Conservatory of Music.
Assistant Professor of Music
- RICHARD A. YOUNG, 1959. B.S.Ed., M.A., Ohio State University.
Assistant Professor of Health and Physical Education; Head Baseball Coach; Assistant Football Coach

††Second semester 1966-67.

FACULTY IN AEROSPACE STUDIES*

- WESLEY K. HOFFMAN, 1965. B.G.E., University of Omaha; B.A., University of Maryland; Lieutenant Colonel, U.S. Air Force.
Professor of Aerospace Studies; Chairman, Department of Aerospace Studies
- LOUIS I. LAWRENCE, 1964. B.A., Stanford University; Lieutenant Colonel, U. S. Air Force.
Assistant Professor of Aerospace Studies
- FLOYD J. BRAZILE, 1963. B.S., University of Oklahoma; Academic Instructors School, The Air University; Major, U. S. Air Force.
Assistant Professor of Aerospace Studies
- HENRY W. REJENT, 1964. B.A., Pennsylvania State University; M.A., Colorado State College; Major, U. S. Air Force.
Assistant Professor of Aerospace Studies
- WESTON T. SMITH, 1964. B.S., Ohio State University; Captain, U. S. Air Force.
Assistant Professor of Aerospace Studies
- GEORGE O. DILLON, 1966. Technical Sergeant, U. S. Air Force.
Administrative Assistant
- RICHARD W. FLEMING, 1966. Technical Sergeant, U. S. Air Force.
Administrative Assistant
- JAMES J. ALLEN, 1966. Staff Sergeant, U. S. Air Force.
Administrative Assistant
- ROY T. DAHL, 1965. Staff Sergeant, U. S. Air Force.
Administrative Assistant
- HAROLD E. WORLEY, 1964. Staff Sergeant, U. S. Air Force.
Administrative Assistant
- CARTER RANSOM, † 1964. Sergeant, U. S. Air Force.
Administrative Assistant

*Listed in order of military rank.

†First semester 1966-67.

FACULTY IN MILITARY SCIENCE*

- WILLIAM V. N. GRACE, 1965. B.S., Syracuse University; M.B.A., University of Southern California; Colonel, U. S. Army.
Professor of Military Science; Chairman, Department of Military Science
- JOHN D. HAYES, 1963. B.S., Ohio University; The Infantry School; U. S. Army Command and General Staff College; Lieutenant Colonel, U. S. Army.
Assistant Professor of Military Science
- JAMES T. CRAWFORD, 1964. B.A., Bowling Green State University; B.S., M.A., University of Minnesota; Major, U. S. Army.
Assistant Professor of Military Science
- MERVYN L. BURDGE, 1964. B.A.Ed., B.A.L.A., Eastern Washington State College; Signal Corps Advanced Course; Captain, U. S. Army.
Assistant Professor of Military Science
- ALLEN B. SMART, 1965. Master Sergeant, U.S. Army.
Detachment Sergeant Major
- JOHN W. GORACKE, 1965. Sergeant First Class, U.S. Army.
Administrative Non-commissioned Officer
- ALBERT W. BRASWELL, †† 1967. Staff Sergeant, U.S. Army.
Supply Sergeant
- ANTONIO FIGUEROA, 1966. Staff Sergeant, U.S. Army.
Enlisted Instructor

*Listed in order of military rank.

††Second semester 1966-67.

PART-TIME FACULTY

- DOROTHY H. ABELL. B.S., University of Illinois; M.A., Columbia University.
Instructor in English, Fostoria, Fremont, and Sandusky Academic Centers.
- *WANDA ALEXANDER. B.A., Western Kentucky State College; B.S. Ed., Bowling Green State University.
Instructor in Education.
- LORRAINE L. ANDREWS. B.A., Defiance College; M.A., San Francisco State College.
Instructor in English, Bryan Academic Center.
- CHARLES E. BARTLETT. B.S., Bowling Green State University; Chartered Property Casualty Underwriter.
Lecturer in Business Administration.
- WILLIAM BEAUSAY. B.A., Ohio State University; Th.B., Messiah School of Theology; M.A., Bowling Green State University.
Instructor in Sociology, Fremont Academic Center.
- *ROBERT L. BIGELOW. B.S., Miami University; M.A., Ohio State University.
Instructor in Business Administration.
- *GERTRUDE BLISS. B.S.Ed., Ohio State University; M.A., Columbia University.
Instructor in Health and Physical Education, Fremont and Sandusky Academic Centers.
- HARRY C. BOILEAU.
Instructor in Music.
- *GOLDIE K. BOWLUS. B.A., M.A., Ohio University.
Instructor in English, Fremont Academic Center.
- LILIA BRADY. B.A., Far Eastern University, Philippine Islands; M.A., Bradley University.
Instructor in English.
- RAYMOND BRICKLEY, B.S.Ed., Miami University; M.A., Western Reserve University.
Instructor in Education, Sandusky Academic Center.

*First semester 1966-67.

- C. E. BRITT. B.S., M.A., Bowling Green State University.
Instructor in Chemistry; Instructor in Mathematics, Fostoria and Sandusky Academic Centers.
- *DELBERT BROWN. B.S.Ed., Ohio State University; M.Ed., Miami University.
Instructor in Education, Fremont Academic Center.
- ROBERT R. BROWN. B.S.Ed., M.A., Miami University
Instructor in Biology, Sandusky Academic Center.
- **LEROY T. BROWNELL. B.A., Heidelberg College; M.Ed., University of Toledo.
Instructor in Education, Fremont Academic Center.
- *SANDRA K. BUEHLER. B.A., Illinois College; M.A., Indiana University.
Instructor in Biology, Fremont Academic Center.
- MARIE W. BURKHART. B.A., University of Michigan; M.S.Ed., Bowling Green State University.
Instructor in Library Science, Fremont Academic Center.
- *JACOB BURKHOLDER. B.S., B.A., Adrian College; M.A., Boston College.
Instructor in Political Science, Bryan Academic Center.
- *SANDRA BURRIS. B.S.Ed., Capital University; M.A., Bowling Green State University.
Instructor in Speech, Sandusky Academic Center.
- HARLEY CAMPBELL. B.S., Ashland College; M.Ed., Bowling Green State University.
Intern Instructor in Education
- PAUL DAHNKE. M.A., Miami University.
Instructor in Mathematics, Sandusky Academic Center.
- ANN DANIEL. B.A., Doanes College; M.A., Bowling Green State University.
Instructor in English, Sandusky Academic Center.
- WILLIAM P. DAY. B.A., Bowling Green State University.
Visiting Lecturer in Journalism.
- DONALD DRUMM. B.F.A., M.F.A., Kent State University.
Artist-in-Residence.
- MARTHA ECKMAN. B.S., Texas Christian University; M.A., University of Texas.
Instructor in English, Fostoria and Fremont Academic Centers.
- MARIANNE S. EDER. B.S., Bowling Green State University; M.A., Boston College.
Instructor in Mathematics, Sandusky Academic Center.
- **HERBERT L. FORD. B.A., Ashland College; B.S.Ed., M.S., Ohio State University;
LL.D., Ashland College.
Instructor in Education.
- RICHARD C. GARAND. B.A., Bowling Green State University; J.D., University of Toledo.
Instructor in Political Science, Sandusky Academic Center.
- **ROBERT GRATZ. B.A., Lamar State College of Technology.
Instructor in Speech, Fremont Academic Center.
- *ANNE C. GRAVES. B.S., Millsapps College; M.S., Northwestern University.
Visiting Lecturer in Biology
- **MARY H. GROSS. B.S., M.Ed., Bowling Green State University.
Instructor in Education
- **RICHARD C. GUYTON. B.Ed., M.Ed., The University of Toledo.
Instructor in Education
- *VIRGINIA HAMRE. B.S., Ohio State University; M.S., University of Minnesota.
Instructor in Home Economics.
- *EDWARD R. HEYDINGER. B.A., Miami University; M.B.A., University of Pennsylvania.
Instructor in Business Administration, Fostoria Academic Center.

*First semester 1966-67.

**Second semester 1966-67.

- JEREMIAH T. HERLIHY. B.S., University of Massachusetts; M.S., University of Wisconsin.
Instructor in Chemistry, Sandusky Academic Center.
- *JOANNE HILLOCKS. B.A., College of Wooster; M.A., Western Reserve University.
Instructor in Romance Languages.
- ROLAND V. HUDSON. B.A., Asbury College; M.A., Ohio State University; Ph.D., Purdue University.
Instructor in Psychology, Sandusky Academic Center.
- **CLAUDE HUSTED. B.A., Central Normal College; M.S.Ed., Indiana University.
Instructor in Mathematics, Bryan Academic Center.
- MAXIM D. JANOWSKY.
Instructor in Music.
- ARCHIE KING. B.S.Ed., M.A., Bowling Green State University.
Instructor in English, Fremont Academic Center.
- DAVID L. LARSON. B.A., Wittenberg University; M.B.A., University of Michigan; M.A., Bowling Green State University.
Instructor in Sociology, Fremont Academic Center.
- *LESTER LATTA. B.S., Findlay College; M.S., Ed.S., Bowling Green State University.
Instructor in Education, Fostoria Academic Center.
- JAMES LAUBER. M.A., Bowling Green State University; Ph.D., University of Ottawa.
Instructor in Psychology, Fremont Academic Center.
- *GEORGE LEHRER. B.S., M.Ed., Bowling Green State University.
Instructor in Education, Fremont Academic Center.
- *HUGH M. LINDSEY. B.S., Ohio State University; M.B.A., University of Toledo.
Instructor in Business Administration, Bryan Academic Center.
- *GWENDOLYN P. LOUGHEED. B.A., University of British Columbia; M.A., Bowling Green State University.
Instructor in English.
- MARY C. MABRY. B.S.Ed., Bowling Green State University; M.F.A., Cranbrook Academy of Art.
Intern Instructor in Art.
- *HELEN MARCHKY. B.S.Ed., Bowling Green State University.
Instructor in Education, Sandusky Academic Center.
- MILDRED MCCRYSTAL. B.S.Ed., Ohio State University.
Instructor in Music, Sandusky Academic Center.
- MEREDITH MYLES. B.A., Ohio Wesleyan University; B.S., Ohio State University.
Instructor in Education, Bryan and Sandusky Academic Centers.
- MAURICE NEWBURGER. B.A., M.A., Ph.D., University of Cincinnati.
Instructor in Psychology, Fostoria Academic Center.
- RELDIA NIEDERHOFER. B.S.Ed., M.A., Bowling Green State University.
Instructor in Biology, Fremont and Sandusky Academic Centers.
- *JOHN PARLETTE. B.A., Ohio Wesleyan University; M.A., Cornell University.
Instructor in Education.
- *ROBERT E. POND. B.S., M.A., Ball State University.
Instructor in Education, Fostoria and Sandusky Academic Centers.
- *JOHN J. POTH. B.S., Defiance College; M.S., Indiana University.
Instructor in Education.
- FRANCES F. POVSIC. B.S.S., John Carroll University; M.S. in L.S., Western Reserve University.
Instructor; Librarian.

*First semester 1966-67.

**Second semester 1966-67.

- *WILLIAM L. RAMSEY. B.S., Wilmington College; M.A., Xavier University; Ph.D., Colorado State College.
Instructor in Education.
- RAY RIEMS. B.S., M.A., Bowling Green State University.
Instructor in Engineering Drawing, Sandusky Academic Center.
- CLARA A. RIFT. B.A., Vanderbilt University; M.S., George Peabody College for Teachers; M.S., University of Illinois.
Instructor; Librarian.
- *MABEL E. ROBROCK. B.A., Hiram College; B.S., Western Reserve University.
Instructor in English, Bryan Academic Center.
- ELEANOR L. ROCCHI. B.M., Curtis Institute; Diploma, Accademia of Santa Cecilia.
Instructor in Music.
- **MARY LOU RUCH-HIRZEL. B.S., University of Toledo.
Instructor in Geology, Sandusky Academic Center.
- *GENE L. RUPP. B.A., Taylor University; M.Ed., Bowling Green State University.
Instructor in Education, Bryan Academic Center.
- DONALD SATTLER. B.A., Kenyon College; M.A., Ohio State University.
Instructor in English.
- DON A. SAVINI. B.A., Columbia College; M.S.I.E., Columbia University.
Instructor in Business Administration, Sandusky Academic Center.
- CLARENCE SCHIEFER. B.S., Heidelberg College; M.Ed., Bowling Green State University.
Instructor in Mathematics, Fostoria and Sandusky Academic Centers.
- BENOIT R. SCHNEIDER. B.A., B.S.Ed., Bowling Green State University; M.A., Ohio State University.
Instructor in Chemistry, Sandusky Academic Center.
- THEODORE J. SEAMAN. B.S., Otterbein College; M.A., Ohio State University.
Instructor in Education, Sandusky Academic Center.
- *JAMES E. SEIPLE. B.S., Ashland College; M.E., University of Toledo.
Instructor in Education, Sandusky Academic Center.
- DOROTHY SHAFFER. B.S.Ed., Bowling Green State University; M.A., Ohio State University.
Instructor in Education, Sandusky Academic Center.
- **DEAN W. SHEIBLEY. B.S., University of Detroit; M.A., Oberlin College.
Instructor in Chemistry, Sandusky Academic Center.
- FRANKLIN E. SHEIDLER. B.S., Bowling Green State University. Certificate in Meteorology, University of Chicago; Chartered Life Underwriter.
Lecturer in Business Administration.
- ALBERT SIEKERES. B.S.Ed., M.A., Bowling Green State University.
Instructor in Biology, Fostoria Academic Center.
- *MARILYN J. SOLT. B.S., Wayne State University; M.A., Bowling Green State University.
Instructor in English, Fostoria Academic Center.
- *HARRISON B. SUMMERS. B.A., Wichita State University; M.A., University of Oklahoma; Ph.D., University of Missouri.
Visiting Professor of Speech.
- GEORGE TOLER. B.A., Miami University; M.A., Bowling Green State University.
Instructor in Economics.
- **JAMES L. TRAUTWEIN. B.A., University of Michigan; S.T.B., The General Theological Seminary.
Instructor in Speech.

*First semester 1966-67.

**Second semester 1966-67.

- ALBERT WALKER. B.A., Baker University; M.S., Northwestern University.
Lecturer in Journalism.
- HERBERT J. WALKER. B.A., University of British Columbia; M.A., Bowling Green State University.
Instructor in English.
- PAULINE WALLACE. B.S.Ed., Ashland College; M.A., Columbia University.
Instructor in Education, Sandusky Academic Center.
- **MARIETTA M. WIGG. B.S., Bowling Green State University.
Instructor in Art.
- *JUDY WOHN. B.S., Bowling Green State University; M.A., University of Arizona.
Instructor in Speech, Fostoria Academic Center.
- SANDRA ZIEROLF. B.A., Bowling Green State University.
Instructor in Chemistry, Fostoria Academic Center.

TEACHING FELLOWS

- KENNETH D. ALLEY, B.S.Ed., M.A., Southern Illinois University. *English*
- JUDITH A. ARMBRUSTER, B.S.Ed., Bowling Green State University. *Art*
- **CLARENCE W. BAHNS, B.A., M.A., Bowling Green State University. *Speech*
- *ANN C. BARK, B.S.Ed., Indiana University; M.A., University of Minnesota. *Speech*
- JACK A. BARWIND, B.A., Carroll College; M.A., Bowling Green State University.
Speech
- FRANCIS L. BAYER, B.A., St. Mary's College; B.S.Ed., M.A., Bowling Green State University. *English*
- BOBBY G. BELL, B.S., Purdue University; M.A., Wayne State University. *Psychology*
- JOEL S. BERGMAN, B.S., State University of New York at Stony Brook; M.A., Connecticut College. *Psychology*
- JOHN J. BRADY, B.A., King's College; M.A., Bradley University. *English*
- DANIEL V. BRISLANE, B.A., Xavier University; M.A., Northwestern University. *English*
- LAWRENCE O. BROWN, B.A., Hofstra College; M.A., Bowling Green State University.
Psychology
- RICHARD E. BUEHLER, B.A., Illinois College; M.A., Indiana University. *English*
- JAYE T. BUMBAUGH, B.F.A., Bowling Green State University. *Art*
- RICHARD J. CALABRESE, B.S., Loyola University (Chicago); M.A., (Speech), M.A., (English), Bradley University. *English*
- GILBERT L. CALDWELL, JR., A.B.M.L., Loyola College (Baltimore); M.A., Duquesne University. *English*
- PHYLLIS H. CAMPBELL, B.A., San Diego State College; M.A., Bowling Green State University. *English*
- JOHN R. CARLANDER, B.A., Concordia College (Moorhead). *Art*
- JEANNETTE C. DANIELSON, B.S.Ed., M.A., Bowling Green State University. *English*
- DOUGLAS A. ECKHEART, B.A., Concordia College (Moorhead). *Art*
- WILLIAM H. EULL, B.A., Assumption University of Windsor; M.A., Bowling Green State University. *Psychology*
- MAYNARD D. FILTER, B.S., Adrian College; M.A., Bowling Green State University.
Speech
- *RICHARD S. FREDERICKS, M.E., Stevens Institute of Technology; M.A., Columbia University. *Psychology*
- PETER GENOVESE, JR., B.A., Loyola College (Baltimore); M.A., Bowling Green State University. *English*
- *ROBERT E. GIBBONS, B.S., John Carroll University; M.A., Bowling Green State University. *English*

*First semester 1966-67.

**Second semester 1966-67.

- RANDALL G. GLOEGE, B.A., M.A., University of Washington. *English*
- BRAM C. GOLDWATER, B.A., McGill University; M.A., Cornell University. *Psychology*
- ROBERT D. GRATZ, B.S., Lamar State College of Technology; M.A., Bowling Green State University. *Speech*
- HARRY HARDER, B.S., M.S., Mankato State University. *English*
- **SARAH C. HARDER, B.A., B.S., Wisconsin State College at LaCrosse; M.A., Bowling Green State University. *English*
- **DAVID L. HAY, B.A., Central University of Iowa; M.A., Bowling Green State University. *English*
- **BARRY L. HENSEL, B.A., Ohio Northern University; M.A., Bowling Green State University. *Psychology*
- SUNIT B. KHERA, B.A., M.A., Panjab University; M.A., University of New Brunswick. *English*
- ALAN H. KORTE, B.A., Denison University; M.A., Columbia University. *English*
- FRANCIS J. LANDY, B.A., Villanova University; M.A., Bowling Green State University. *Psychology*
- WILLIAM LUTTRELL, B.S., Oglethorpe University; M.A., University of Colorado. *English*
- JOHN D. MACPHEDRAN, B.A., M.A., Bowling Green State University. *English*
- THOMAS A. MAIK, B.A., Wartburg College; M.A., University of Illinois. *English*
- PAUL J. MALOTT, B.S., Miami University; M.A., Bowling Green State University. *Speech*
- ALFRED B. McDOWELL, B.A., Colgate University; M.A.T., Harvard University. *English*
- REGINA C. MEDLEY, B.S.Ed., Bowling Green State University. *Art*
- DAVID L. MILLER, B.A., M.A., Bowling Green State University. *English*
- MURRELL E. MORRIS, B.S., Morris Harvey College; M.S., Ohio State University. *English*
- JOHN F. NOONAN, B.A., Wheeling College; M.A., Bowling Green State University. *English*
- TAE-YONG PAK, B.L., Seoul National University; M.A., Bowling Green State University. *English*
- SUZANNE P. RADLIFF, B.A., Hope College; M.A., Bowling Green State University. *Speech*
- VENKATA S. RANGASWAMY, B.S., M.S., University of Mysore. *Biology*
- WANDA D. RICH, B.A.Ed., East Central State College; M.A., Oklahoma State University. *English*
- *D. JACQUELINE RICHEY, B.S.Ed., Mississippi College; M.A., Bowling Green State University. *English*
- *EDWARD B. RICKLESS, B.S., The Pennsylvania State University; M.A., Western Michigan University. *Psychology*
- RONALD M. RUBLE, B.A., Otterbein College; M.A., Bowling Green State University. *Speech*
- JOEL D. RUDINGER, B.S., Bowling Green State University; M.A., University of Alaska; M.F.A., University of Iowa. *English*
- CHARLES A. SCHULTZ, B.S.Ed., Bowling Green State University; M.A., University of Illinois. *Speech*
- JOHN S. SCOTT, B.A., South Carolina State College; M.A., Bowling Green State University. *Speech*
- RICHARD D. SEITER, B.S.Ed., Ohio Northern University; M.A., Bowling Green State University. *English*
- JACQUELINE D. SEUSS, B.A., M.A., University of Massachusetts. *English*
- JOAN E. SHIELDS, B.A., Michigan State University; M.A., The University of Nebraska. *Speech*

*First semester 1966-67.

**Second semester 1966-67.

- NANCY K. SIFERD, B.S.Ed., M.A., Bowling Green State University. *English*
 HERMINIA E. SILOS, B.A., Philippine Women's University; M.A., University of California, Berkeley. *Psychology*
 ROY H. SMITH, B.A., University of Wisconsin; M.A., Bowling Green State University. *English*
 MARILYN J. SOLT, B.S., Wayne State University; M.A., Bowling Green State University. *English*
 JOHN M. STEWART, B.A., M.A., Bowling Green State University. *Psychology*
 WILLIAM B. THOMAS, B.A., The Ohio State University; M.A., University of Maryland. *English*
 ENZO R. VALENZI, B.S., Rensselaer Polytechnic Institute; M.A., Western Michigan University. *Psychology*
 HERBERT J. WALKER, B.A., The University of British Columbia; M.A., Bowling Green State University. *Health and Physical Education*
 DAVID A. WALTON, B.S.Ed., California State College of Pennsylvania; M. A., Bowling Green State University. *English*
 WARREN J. WELSH, B.A., Assumption Seminary College; M.A., University of Notre Dame. *Psychology*
 MARTHA H. WERTHEIM, B.A., Findlay College; M.A., Bowling Green State University. *English*
 ROBERT N. ZYROMSKI, B.S., St. Louis University; M.A., University of Virginia. *Speech*

GRADUATE RESEARCH ASSISTANTS

- **DAVID R. HADDEN, B.S., Bowling Green State University. *Geology*
 **ROBERT H. LANE, B.S., Bowling Green State University. *Biology*

GRADUATE ASSISTANTS

- JOSEPH B. AKE, B.S.Ed., Indiana University of Pennsylvania. *History*
 LAWRENCE R. ALLMAN, B.A., Clark University. *Psychology*
 **ROSEMARY ANDEXLER, B.S.Ed., Bowling Green State University. *English*
 LOREN E. APPELBAUM, B.A., State University of New York at Buffalo. *Psychology*
 RADHAKRISHNAN S. ATRI, B.A., St. Xavier's College; M.A., University of Bombay. *Economics*
 HANI Y. AWADALLAH, B.S., Cairo University. *Chemistry*
 *CLARENCE W. BAHS, B.A., Bowling Green State University. *Speech*
 THOMAS C. BAILEY III, B.S., Bowling Green State University. *Geology*
 SHARON R. BARBA, B.A., Bowling Green State University. *English*
 SYLVIA J. BARGE, B.S., Eastern Michigan University. *Mathematics*
 RAYMOND E. BARTA, B.S.B.A., Bowling Green State University. *Business Administration*
 **DAVID A. BEERY, B.A., DePauw University. *Accounting*
 JAMES J. BEZAK, B.A., The College of Steubenville. *Mathematics*
 BEVERLY A. BINGLE, B.A., The Ohio State University. *English*
 LEONARD B. BLANK, B.S., The City College of New York. *Philosophy*
 JOHN D. BOYD II, B.A., Milligan College. *Education*
 LOUIS T. BOYER, B.S.Ed., State University of New York at Buffalo. *Industrial Arts*
 *JEFFREY B. BRADLEY, B.S.B.A., Bowling Green State University. *Accounting*
 JOHN K. BRICKER, B.S., Defiance College. *Mathematics*
 PEARL ANN BROUSSEAU, B.S.Ed., Valley City State College. *Education*
 RUTH A. BROWN, B.A., Bowling Green State University. *English*
 **LORELLE E. BROWNELL, B.S.Ed., Wisconsin State University. *Speech*

*First semester 1966-67.

**Second semester 1966-67.

- *MICHAEL E. BRUNNER, B.S.B.A., Bowling Green State University. *Accounting*
 **JEFFREY H. BRYDEN, B.S.B.A., Bowling Green State University. *Business Research*
 ROBERT D. BURKETT, B.S., Bowling Green State University. *Biology*
 MARIE A. CAMPBELL, B.S.Ed., Ashland College. *English*
 **DORIS A. CARTER, B.S., Otterbein College. *Chemistry*
 REGINALD K. CARTER, JR., B.A., University of Windsor. *Sociology*
 **HAK FOON CHAN, Diploma, Chung Chi College. *Chemistry*
 HON-MING CHAN, Joint Diploma, The United College of Hong Kong. *Mathematics*
 *MIN-MIN CHAN, Diploma, Hong Kong Baptist College. *Marketing*
 WILLIAM WUN-CHUNG CHIOU, B.S., National Taiwan University. *Psychology*
 RAJ KUMAR CHOPRA, B.A., Panjab University. *Health and Physical Education*
 **STEPHAN P. CLARKE, B.S.Ed., State University College at Geneseo. *English*
 NORMAN P. CLAUSEN, B.M.E., General Motors Institute. *Business Administration*
 KENNETH B. CLIFFORD, B.F.A., Ohio University. *Art*
 **LAWRENCE R. COOK, B.S., Bowling Green State University. *Business Administration*
 *NEIL O. CORNELL, B.S.B.A., Bowling Green State University. *Business Administration*
 RICHARD W. CORNER, B.S.M.E., University of Cincinnati. *Mathematics*
 EDWARD W. COUGHANOR, B.A., John Carroll University. *Journalism*
 PAUL J. COUSINO, B.Ed., University of Toledo. *Mathematics*
 *WILLIAM G. CUNNINGHAM, B.S.App.Sc., Miami University. *Accounting*
 **OMAR F. DAJANI, B.A., Bowling Green State University. *Marketing*
 *THOMAS E. DALTON, B.S.B.A., Bowling Green State University. *Business Research*
 PAUL A. DANIELS, JR., B.S., Western Michigan University. *Geology*
 CAROL L. DECKER, B.S.Ed., Bowling Green State University. *Business Education*
 RICHARD H. DEFRAN, B.S., Loyola University (New Orleans). *Psychology*
 HECTOR L. DEL VALLE, B.B.A., Catholic University of Puerto Rico. *Accounting*
 PATRICIA L. DETAR, B.S.Ed., State University of New York at Brockport. *Biology*
 WILLIAM D. DILLON, B.A., St. Joseph's College. *History*
 RICHARD S. DOWDELL, B.S.C.E., Tri-State College. *Accounting*
 GERRIT R. DROSS, B.S.Ed., State University of New York at Brockport. *Health and Physical Education*
 PATRICK J. DUMM, B.S.Ed., Indiana University of Pennsylvania. *History*
 WILLIAM H. EARHART, B.S.Ed., Bowling Green State University. *Health and Physical Education*
 DARRELL L. EDWARDS, B.S.B.A., Bowling Green State University. *Accounting*
 **RICHARD C. EHLE, B.S., The Pennsylvania State University. *Philosophy*
 ROGER A. ELFORD, B.S., Western Michigan University. *Health and Physical Education*
 ANIBAL C. ELIZONDO, Contador Publico, Instituto Tecnologico. *Accounting*
 **KURT R. ELSTER, B.A., Kenyon College. *Psychology*
 FREDRIC F. ENDRES, B.S.J., Bowling Green State University. *Journalism*
 RONNIE G. ESSINGER, B.S.B.A., Bowling Green State University. *Accounting*
 LYNNE E. EWALD, B.S.Ed., Bowling Green State University. *Education*
 **CHARLES A. FAIR, B.S.J., Bowling Green State University. *Journalism*
 FREDERICK E. FARLEY, B.S., St. Joseph's College. *Biology*
 GARY V. FEARNOW, B.B.A., University of Notre Dame. *Business Administration*
 RICHARD R. FERTONANI, B.A., Heidelberg College. *Health and Physical Education*
 **WILLIAM R. FIORINI, B.A., Findlay College. *Art*
 DOUGLAS J. FISCHER, B.S.B.A., Bowling Green State University. *Accounting*
 JOHN A. FITTA, B.A., Massachusetts State College at Bridgewater. *Geography*
 JAMES B. FITZPATRICK, B.A., St. Joseph's College. *History*
 JOSEPH P. FLAUTO, JR., B.A., Youngstown University. *Speech*
 **DENNY G. FOUST, B.S., Bowling Green State University. *Geology*
 RICHARD M. FOYS, B.S., Loyola University (Chicago). *English*

*First semester 1966-67.

**Second semester 1966-67.

- *EMERY G. GATHERS, B.S.Ed., Edinboro State College. *Mathematics*
- *RUSSELL P. GEIGER, B.A., Ohio Wesleyan University. *Psychology*
- **BAHRAM M. GHAJAR, B.S., University of Toledo. *Biology*
- PAMELA K. GIBLER, B.A., Berea College. *Speech*
- BONNIE J. GLASER, B.S.Ed., Bowling Green State University. *Business Education*
- **GAYLE A. GOETCHEUS, B.A., Carleton College. *Psychology*
- **JOEL H. GOREN, B.S., The University of Wisconsin. *Psychology*
- RACHAEL L. GRAHAM, B.A., Oberlin College. *Sociology*
- SUSAN C. GRAY, B.S.Ed., Bowling Green State University. *English*
- RAYMOND O. GRIGSBY, B.S., University of Illinois. *Business Education*
- RICHARD E. GROOP, B.S.Ed., Bowling Green State University. *Geography*
- RONALD A. GUNN, B.A., Augustana College. *Health and Physical Education*
- **JOHN R. HAIGHT, B.S., Bowling Green State University. *Speech*
- EVELYN HALL, B.A., Doane College. *English*
- JAMES P. HALL, B.A.Ed., Western Washington State College. *English*
- **JAMES W. HALL, B.S., Bowling Green State University. *Philosophy*
- ALI A. HAMIDEH, B.A., American University of Beirut. *Business Administration*
- KEITH A. HANNAH, B.S., Andrews University. *Economics*
- JUDITH C. HANNEKEN, B.Ed., University of Toledo. *Education*
- JUDITH A. HARBISON, B.S.Ed., Southern Illinois University. *Mathematics*
- *SARAH C. HARDER, B.A., B.S., Wisconsin State College at LaCrosse. *English*
- **JAMES P. HARLEY, B.A., Washburn University. *Psychology*
- ALBERT C. HAUSMANN, B.A., Capital University. *Audio-Visual Education*
- *DAVID L. HAY, B.A., Central University of Iowa. *English*
- SHARON A. HAY, B.A., Central University of Iowa. *English*
- VIRGINIA M. HAYWOOD, B.A., Spelman College. *Speech*
- PAMELA L. HEIMBAUGH, B.A., Bowling Green State University. *Sociology*
- MARY M. HENNESSEY, B.A., Bowling Green State University. *Sociology*
- JUDY K. HENRY, B.S., Lamar State College of Technology. *Speech*
- *BARRY L. HENSEL, B.A., Ohio Northern University. *Psychology*
- DAVID M. HIGGINS, B.A.Ed., State University of New York at Brockport. *English*
- THOMAS R. HILTY, B.A., Western State College of Colorado. *Audio-Visual Education*
- JUDITH HIRSCH, B.A., Bowling Green State University. *Speech*
- **CHIU-CHUNG HO, B.S., Taiwan Cheng Kung University. *Chemistry*
- JOHN E. HO, B.A., Lehigh University. *Psychology*
- BRIAN P. HOLLY, B.A., Worcester State College. *Geography*
- ALICE M. HOLM, B.A., Gustavus Adolphus College. *Biology*
- PAUL L. HOLM, B.S., Gustavus Adolphus College. *Chemistry*
- ROBERT W. HOPPER, B.A., Bowling Green State University. *Speech*
- MARTHA J. HOSACK, B.S.Ed., Geneva College. *Speech*
- *JUDITH J. HOUEK, B.S.Ed., Bowling Green State University. *Speech*
- GEOFFREY B. HOWARD, B.A., Franklin and Marshall College. *English*
- RONALD T. HRICKO, B.B.A., St. Bonaventure University. *Accounting*
- THERESA C. HUANG, B.S., National Taiwan University. *Psychology*
- JOHN H. HUGHES, B.S.Ed., Ohio State University. *Biology*
- ANN L. HUTCHISON, B.A., Findlay College. *Speech*
- TERRY A. HYNOUS, B.S.Ed., Concordia Teachers College. *English*
- *KERMIT E. IMLER, B.A., Bowling Green State University. *Philosophy*
- NICHOLAS J. IMPARATO, B.A., St. Bonaventure University. *Psychology*
- NICHOLAS IVANCIC, B.A., Bowling Green State University. *Philosophy*
- JAMES A. JACKSON, B.S., University of Toledo. *Geology*
- JANE M. JELINEK, B.A., Trenton State College. *Counseling Center*

*First semester 1966-67.

**Second semester 1966-67.

- WILLIAM J. JELINEK, B.A., Trenton State College. *Mathematics*
- **DENNIS L. JEWELL, B.A., Bowling Green State University. *Sociology*
- **RUSSELL E. JOHANNESON, B.A., Temple University. *Psychology*
- GLORIA J. JOHN, B.A., Bowling Green State University. *English*
- BRENDA J. JOHNSON, B.A., University of Arizona. *Psychology*
- **DIANE E. JOHNSON, B.A., Malone College. *Sociology*
- PAUL L. JOHNSON, B.A., Bowling Green State University. *Sociology*
- HERBERT R. JONES III, B.S., University of Pittsburgh. *Philosophy*
- ROBERT L. JONES, B.S., Murray State University. *Geography*
- EUGENE KANGAS, JR., B.F.A., Miami University. *Art*
- MICHAEL L. KATON, B.S.Ed., Bowling Green State University. *Health and Physical Education*
- JAMES M. KEENER, B.S.Ed., Bowling Green State University. *Health and Physical Education*
- *MICHAEL O. KEFFER, B.S., Bowling Green State University. *Biology*
- JILAINE W. KELLNER, B.S.Ed., Youngstown University. *Counseling Center*
- CHARLES G. KESSLER, B.S.B.A., Waynesburg College. *Accounting*
- JAMES F. KINSTLE, B.S., Bowling Green State University. *Chemistry*
- BARBARA A. KLUDING, B.S.Ed., Bowling Green State University. *Education*
- GEORGE R. KNELLER, B.A., Findlay College. *Speech*
- **CARL P. KOWALKOWSKI, B.A., St. Bonaventure University. *English*
- JAMES R. KRAYNAK, B.S.Ed., Bowling Green State University. *Education*
- DIETER A. KREWEDL, B.S., University of Dayton. *Geology*
- *ROBERT H. LANE, B.S., Bowling Green State University. *Biology*
- **PAUL E. LAWSON, B.S., Michigan State University. *Sociology*
- CHING-TSE LEE, B.S., National Taiwan University. *Psychology*
- ROBERT D. LEHMANN, B.A., Kenyon College. *English*
- LEROY J. LENBURG, B.A., Butler University. *History*
- CHONG-PIN LIN, B.S., National Taiwan University. *Geology*
- ALBERTA L. LINTECUME, B.A., Bowling Green State University. *Speech*
- DAVID J. LIPANI, B.A., State University of New York at Brockport. *English*
- SHARON M. LOUCHEED, B.A., Bowling Green State University. *English*
- **RONALD W. LOVEJOY, B.S., Defiance College. *Mathematics*
- DOLORES C. LUCAS, B.S., Wittenberg University. *English*
- JOHN M. LUCH, B.S., Bowling Green State University. *Biology*
- LAWRENCE J. LUCK, B.S., Loyola University (Chicago). *English*
- WILLIAM B. MAHON, B.S.B.A., Capital University. *Business Administration*
- ROBERT K. MANCARI, B.A., The University of Western Ontario. *Health and Physical Education*
- DAN C. MARKLEY, B.S.B.A., Bowling Green State University. *Marketing*
- SUSAN H. MARKWOOD, B.S., Bowling Green State University. *Speech*
- **JEANNE A. MARLOWE, B.A., Bowling Green State University. *English*
- CHARLES C. MATTESON, B.A., Alfred University. *Biology*
- HERBERT K. MATZINGER, B.S.Ed., The Ohio State University. *Art*
- JERRY R. MAY, B.A., Western Washington State College. *Psychology*
- **WILLIAM MCCAIN, B.S.Ed., Bowling Green State University. *Philosophy*
- GLENNIS A. MEIER, B.A., Chadron State College. *Speech*
- CHARLES C. MESSMER, JR., B.A., Otterbein College. *Economics*
- KAREN L. MILLAR, B.S.J., Northwestern University. *Speech*

*First semester 1966-67.

**Second semester 1966-67.

- JOHN N. MILLER, B.S., Wisconsin State College and Institute of Technology. *Psychology*
- KEITH A. MILLER, B.S.Ed., Bowling Green State University. *Speech*
- MARY L. MOOSBRUGGER, B.A., Mary Manse College. *Education*
- GEORGE W. MORRIS, JR., B.A., Baldwin-Wallace College. *Health and Physical Education*
- ROBERT H. MORRISON, B.S., Bowling Green State University. *Industrial Arts*
- RAY A. MUNDY, B.A., Bowling Green State University. *Business Administration*
- JUANITA A. NADA, B.S., Bowling Green State University. *Sociology*
- DAVID J. NASSAR, B.A., Dakota Wesleyan University. *Speech*
- RICHARD G. NAYLOR, B.A., Southern Illinois University. *Sociology*
- RICHARD H. NEFF, B.S.Ed., Shippensburg State College. *Mathematics*
- T. JOSEPH NEILL, B.A., Westminster College. *Art*
- BARBARA K. NELSON, B.A., Wartburg College. *English*
- RICHARD A. NEUMAN, B.S.D., University of Cincinnati. *Art*
- JOHNATHAN R. NICHOLSON, B.A., Bowling Green State University. *Psychology*
- WILLIAM D. O'DELL, B.S.Ed., Bowling Green State University. *Biology*
- JAMES B. OLIVER, B.S.Ed., University of Cincinnati. *Health and Physical Education*
- JESSE D. PARETE, JR., B.S.Ed., State University of New York at Brockport. *Mathematics*
- LAWRENCE H. PARISER, B.A., Ithaca College. *Philosophy*
- BRUCE B. PECK, B.A., Morris Harvey College. *Psychology*
- THOMAS A. PERLIONI, B.S.Ed., Bowling Green State University. *Health and Physical Education*
- **THOMAS J. PETERS, B.S., Bowling Green State University. *Geology*
- ELLEN K. PIERCE, B.A., Salisbury State College. *History*
- **TERJE PLOOT, B.S.B.A., Bowling Green State University. *Marketing*
- NEAL J. POOLE, B.A., Baldwin-Wallace College. *Speech*
- **CHARLES G. PRIOR, B.S., Defiance College. *Accounting*
- FRANCIS T. QUINN, B.B.A., St. Bonaventure University. *Accounting*
- JOHN H. RAPP, B.A., Wittenberg University. *Economics*
- **WILEY C. RASBURY, B.S., Eastern Michigan University. *Psychology*
- THOMAS L. RATHBURN, B.A., Baldwin-Wallace College. *Speech*
- FRANK R. RAYMOND, JR., B.A., Malone College. *Psychology*
- **DOUGLAS D. REED, B.S.B.A., Bowling Green State University. *Business Administration*
- RICHARD E. REED, B.S.B.A., Bowling Green State University. *Accounting*
- LAWRENCE W. RICE, B.A., Heidelberg College. *Health and Physical Education*
- HAROLD H. RIDGEWAY, B.S.Ed., Bowling Green State University. *Industrial Arts*
- PAUL E. ROBINSON, B.S.Ed., Ohio University. *Counseling Center*
- HARRY L. ROESCH, B.S., Bowling Green State University. *Geography*
- *LEONARD A. ROSE, B.A., Bowling Green State University. *Biology*
- BETTY J. ROYS, B.A.A.S., Kent State University. *Health and Physical Education*
- MARY J. RUDD, B.A., Eastern Kentucky State College. *Speech*
- *STEVEN N. RUPP, B.S.B.A., Bowling Green State University. *Business Administration*
- MOHAMMED E. SABRI, Licentiate in Letters, Damascus University. *English*
- JEANNETTE M. SAMPLES, B.S.Ed., Baldwin-Wallace College. *Education*
- ROBERT A. SANDER, B.S.B.A., Bowling Green State University. *Geography*
- STEPHEN R. SASALA, B.S., Bowling Green State University. *Speech*
- B. LAVONNE SATTERFIELD, B.F.A., Bowling Green State University. *Art*
- *WILLIAM J. SCANLAN, JR., B.S., Niagara University. *Marketing*

*First semester 1966-67.

**Second semester 1966-67.

- JOANNE E. SCHADE, B.A., Westminster College. *Education*
- **WILLIAM T. SCHMID, B.A., Bowling Green State University. *Speech*
- RONALD E. SCHMIDT, B.S., Bowling Green State University. *History*
- DAVID E. SCHNEIDER, B.A., Hiram College. *Biology*
- CARL F. SCHOBER, B.S., Bowling Green State University. *Chemistry*
- **ROBERT J. SCHODORF, B.S., Bowling Green State University. *Biology*
- PAUL G. SCHULZ, B.S., Bowling Green State University. *Chemistry*
- WINSTON R. SCHWYHART, B.S.I.E., Iowa State University. *Psychology*
- JAMES W. SEDLACEK, B.S.Ed., Northern Illinois University. *History*
- GEORGE W. SELL, B.F.A., University of Connecticut. *Art*
- M. GARVIN SHANKSTER, B.A., Bowling Green State University. *Counseling Center*
- NELSON R. SHARP, B.M.E., General Motors Institute. *Business Administration*
- MICHAEL W. SHEA, B.S.Ed., Northwestern University. *Health and Physical Education*
- *WILLIAM G. SHEPHERD, JR., B.S.B.A., Bowling Green State University. *Business Administration*
- GARY J. SHERMAN, B.S., Bowling Green State University. *Mathematics*
- CLARK M. SHIMEALL, B.A., University of Colorado. *Geology*
- **JOAN C. SHIPERS, B.A., Bowling Green State University. *English*
- MARJORY A. SHIRLEY, B.A., Edinboro State College. *English*
- ALEXANDER SHUFRAN, B.S.Ed., California State College of Pennsylvania. *Geography*
- **JUNE-SANG SIAK, B.S., New Asia College. *Biology*
- THOMAS C. SIEFKE, B.F.A., Bowling Green State University. *Art*
- *ROBERT W. SIMPSON, B.A., University of Notre Dame. *Speech*
- *JACK N. SINGER, B.A., University of Massachusetts. *Psychology*
- JACK M. SLIVKA, B.S.Ed., Bowling Green State University. *Speech*
- DENNIS SNAVLEY, B.S.Ed., Bowling Green State University. *Health and Physical Education*
- **JUDITH A. SNOW, B.A., University of Toledo. *Speech*
- RICHARD J. SNOW, B.S., King's College. *Mathematics*
- JAMES H. SOWERS, B.S., Grove City College. *Biology*
- DON C. SPLITTORF, B.A., Bowling Green State University. *Speech*
- THOMAS E. STANDING, B.A., St. Bonaventure University. *Psychology*
- LOIS J. STEEL, B.A., Bowling Green State University. *Biology*
- *ROY D. STEIN, B.A., Wayne State University. *Chemistry*
- JAMES R. STETSON, B.Ed., Keene State College. *Education*
- PAUL W. STIFFLER, B.A., Bowling Green State University. *Biology*
- JOHN C. STOCKWELL, B.A., Cedarville College. *Speech*
- DARWIN W. STUCKEY, B.S., Bowling Green State University. *Chemistry*
- LINDA L. SUTLIFF, B.A., Baldwin-Wallace College. *Speech*
- *AGNES C. SUTTER, B.S., Bowling Green State University. *Mathematics*
- RALPH H. SWEET, B.S.B.A., Bowling Green State University. *Accounting*
- RICHARD R. SWEITZER, B.A., Grove City College. *History*
- ROY A. TERRANOVA, B.A., Findlay College. *History*
- GEORGE M. THALER, B.A., College of St. Thomas. *Business Administration*
- ROBERT H. TIELL, B.A., Bowling Green State University. *Psychology*
- RONALD G. TUCCERI, B.S.Ed., California State College of Pennsylvania. *Chemistry*
- VERNON H. VEEDER, B.S.Ed., Bowling Green State University. *Health and Physical Education*
- **GARY M. VICTOR, B.S.B.A., Bowling Green State University. *Accounting*
- JOHN R. VIVIAN, B.S., Adrian College. *Health and Physical Education*
- JEROME W. WADIAN, B.A., St. Mary's College. *Speech*
- ANN L. WAGNER, B.S., Holy Family College. *Mathematics*

*First semester 1966-67.

**Second semester 1966-67.

DWIGHT D. WALLACE, B.S.Ed., Bowling Green State University. *Health and Physical Education*

**ROGER D. WALLACE, B.A., Butler University. *Speech*

DIANE J. WALTON, B.A., Michigan State University. *English*

**ROBERT L. WARD, B.S.B.A., Bowling Green State University. *Business Administration*

HAROLD L. WEIDNER, B.S., Miami University. *Chemistry*

RICHARD W. WEIRES, B.S., Bowling Green State University. *Biology*

*ROBERT C. WELLER, B.S., Texas Lutheran College. *English*

JAN P. WIJTING, B.A., Bradley University. *Psychology*

WALTER E. WILLE, B.S., Bowling Green State University. *Biology* and Education***

LARRY G. WILLIAMS, B.S., Bowling Green State University. *Mathematics*

RALPH J. WILLIAMS, B.S.Ed., University of Nebraska. *Geography*

MICHAEL E. WILSON, B.S.B.A., University of Dayton. *Accounting*

JACK B. WINGET, B.S., Bowling Green State University. *Speech*

**MARJORIE S. WRIGHT, B.S.Ed., Bowling Green State University. *Art*

PAUL T. WRIGHT, B.S.Ed., Bowling Green State University. *Health and Physical Education*

ANNA T. WYNAR, B.A., University of Colorado. *Sociology*

KAY C. YU, B.S., National Taiwan University. *Psychology*

SHELDON ZEDECK, B.S., Brooklyn College. *Psychology*

ROBERT P. ZIEGLER, B.A., The Pennsylvania State University. *English*

*First semester 1966-67.

**Second semester 1966-67.

SUMMARY OF ENROLLMENT

FIRST SEMESTER, 1966-67

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Freshmen	1,757	1,680	3,437
Sophomores	1,367	1,303	2,670
Juniors	1,182	1,191	2,373
Seniors	813	808	1,621
Graduate Students	689	263	952
Unclassified and Transients	113	101	214
	-----	-----	-----
Total on campus	5,921	5,346	11,267
Branches	577	754	1,331
Extensions	4	45	49
	-----	-----	-----
GRAND TOTAL	6,502	6,145	12,647
Summer School, 1966			
First Session	1,927	2,084	4,011
Second Session	1,646	1,580	3,226

INDEX

Absence, Class	31	Policy Committee	235
Academic Advising	14	Procedure for	10
Academic Centers	8	Required High School Subjects	9
Fees	19	Requirements for	9
Academic Council	234	Residence Hall Accommodations	10
Academic Load	15	Special Students	11
Academic Objectives 4, 79, 101, 114, 139		Transfer Students	10
Academic Organization	6-8	Transient Students	11
Academic Centers	8	Advanced Placement	11
Academic Year	7	Advanced Standing	12
Computation Center	7	Advanced Undergraduate	59, 149
Counseling Services	7	Advertising Courses	198, 200
Summer School	7	Curriculum	120
Undergraduate Study	7	Advising, Academic	14
University Services	8	Advisory and Policy Council	78
Academic Standing	32	Advisory Committee,	
Academic Year	7	Admissions Policy	234
A Cappella Choir	30	Student Teaching	81
Accident Insurance	34	Aeronautics Course	154
Accounting Courses	152	Aerospace Studies Courses	154
Curriculum	117	Aid, Financial	23
Sequences	128	Air Force ROTC	35-37
Accreditation, University	5	Alternative Programs in Music	
Business Administration	114	Education	107-108
Chemistry	49, 60, 167	American Chemical Society 49, 60, 167	
Administration and Faculty	230	American College Test	10
Administrative Officers and		American Government Courses	215
Assistants	231	American Studies	48, 85, 146
Administrative Science	119	Application, High School Seniors	9
Administrative Service Charge	10	Application for Admission	10-11
Admission Requirements	8-13	Application for Loan	24
Administrative Service Charge	10	Application for Scholarship	23
Advanced Placement	11	Applied Music	102-105, 208
Advanced Standing	12	Brass	104
American College Test	10	Class Instruction	208
Application for	10	Individual Instruction	208
Approval for	13	Organ and Piano	103
Classification	13	Percussion	104
Correspondence	12	Strings	104
Credit by Examination	12	Voice	102
Credit for Television Courses	12	Woodwind	104
Early Admission	11, 149	Appreciation Courses	205
Former Students	10	Approval for Admission	13
Graduate Study	12, 59, 149	Army ROTC	35-36
Health Examination Form	10	Courses	204
High School Seniors	9	Art Courses	155
High School Subjects	9	Curriculum	55
High School Transcript	10	Curriculum, Teacher	
Honors Program	12	Preparation	55, 90
International Students	12	Majors and Minors	49, 85
Nonresident	9	Requirements	54
Ohio Resident	9	Arts-Business Administration	

Curriculum	73	Board of Trustees	230
Arts-Education Curriculum	73	Bookkeeping-Basic Business Minor ..	85
Arts-Engineering Program	68	Botany Courses	160
Arts-Professional Curricula	60	Branches (See Academic Centers)	
Assistants, Graduate	149, 272	Brass Curriculum	104
Research	272	Buildings and Facilities	5-6
Student	24	Business Administration,	
Athletics Committee	234	College of	112
Athletics, Intercollegiate	30	Accreditation	114
Intramural	30	Courses	160
Attendance, Class	31	Curricula	117-145
Recital	209	Fields	113
Automobile Registration	20, 33	General Education	
Charge	20	Requirements	115
Use of	33	Group Requirements	115
Averages, Grades	16	Major and Minor	49
Awards for Graduate Study	149	Objectives	114
Baccalaureate-Master Program	59, 149	Organization	113
Bachelor of Arts	44	Professional Requirements	116
Curriculum	45	Standards	114
Group Requirements	44	Business Administration- Education	
Specific Requirements	44	Degree	138
Bachelor of Fine Arts	54	Business and Finance Staff	231
Art Requirements	55	Business Education Courses	165
Curriculum	55-58	Majors and Minors	85
Group Requirements	55	Business, Field of	113
Teacher Preparation	56	General Curriculum	127
Bachelor of Music	101	Business Law Courses	161
Curricula	102-108	Business Pre-Law	62, 121
General Requirements	79	Business, Preparation for	58, 113
Group Requirements	79	Business Statistics Courses	164
Major Fields of Study	102-106	Curriculum	122
Bachelor of Science	46	Cadet Teacher Program	100
Curriculum	47	Calendar	Inside Back Cover
Group Requirements	46	Campus Expansion	5
Specific Requirements	46	Ceramics Courses	156
Bachelor of Science in Business		Curriculum	55
Administration	115	Certificate, Dual	82
Curriculum	115	Elementary	82, 99
Requirements	115	Kindergarten-Primary	82
Bachelor of Science in Education	80	Fine Arts-Education	100
Certification Regulations	82, 99	Liberal Arts Graduates	74
Curricula	83-85	Other Fields	99
Group Requirements	79	Procedures	99-100
Other Requirements	82	Provisional Cadet	100
Professional Requirements	80	Public Schools	73
Student Teaching Program	81	Regulations	82
Bachelor of Science in Journalism	139	Retraining	100
Curricula	141-145	Secondary	83, 100
Bands	30	Slow Learners	82
Banking and Credit Management		Teacher	82, 99
Curriculum	126	Transfer	99, 100
Banking Courses	170	With Liberal Arts Degree	74
Basic Business Education Major ..	85	Chamber Orchestra	30
B-G News	30, 139	Change of College	15
Biology Courses	157	Change of Registration	14
Majors and Minors	49, 85	Charge	20
Board and Room	22	Change of University Address	22

- Charges (See Fees and Charges)
- Chemistry Courses167
- Majors and Minors49, 86
- Choral Groups 30
- Christmas Recess 22
- Class Attendance 31
- Classes, Registration for 13
- Classification of Students 13
- College Administration230
- College, Change in 15
- College Teaching, Preparation
for59, 100
- Colleges
- Business Administration112
- Education 78
- Liberal Arts 42
- Collegiate Chorale 30
- Combined Curricula73, 99, 138
- Arts-Business Administration 73
- Arts-Education 73
- Baccalaureate-Master Program 59
- Business Administration-
 Education138
- Combined Degrees59, 99, 138
- Committees, University28, 234
- Comparative Government Courses...215
- Comprehensive Business
- Education Major 85
- Computation Center Committee234
- Concert Band 30
- Conduct 30
- Correctional Work, Preparation for.. 59
- Correspondence Regarding
- Admission 12
- Councils
- Academic234
- Admissions Policy234
- Advisory and Policy 78
- Athletics234
- Computation Center234
- Cultural Events234
- Faculty Leaves and Research234
- Health Service Advisory234
- High School Scholarships234
- Honorary Degrees234
- Honors234
- Honors and Awards234
- Humanities 42
- Intramural Sports234
- Instruction, Music101
- Liberal Arts 42
- Library Advisory234
- President's Advisory234
- Publications234
- Religious Activities234
- Science and Mathematics 42
- Social Policy235
- Social Sciences 42
- Student Financial Aid235
- University Insurance235
- Councils and Committees28, 234
- Counseling Center 7
- Counseling Courses185
- Counseling Services 7
- Courses, Description of152
- Numbering152
- Repeating 15
- Required14
- Television12
- Third and Fourth Years 15
- When to Take15
- Withdrawal from 15
- Credit by Examination12
- Charge for20
- Credit for Television Courses12
- Credit, Unit of15
- Credits, Transcripts15
- Cultural Events Committee234
- Cum Laude17
- Cumulative Point Average16
- Curricula, Inter-College73, 99
- Curriculum
- Accounting117
- Administrative Science119
- Advertising120
- Applied Music102-105
- Art (Public School) 90
- Arts-Business 73
- Arts-Education 73
- Arts-Engineering 68
- Arts-Professional 60
- Bachelor of Arts 45
- Bachelor of Fine Arts55-58
- Bachelor of Music101-108
- Bachelor of Science 47
- Business Administration117-138
- Business Administration-
 Education 99, 138
- Business Pre-Law121
- Business Statistics122
- Combined 73
- Economics123
- Economic Geography125
- Economic Theory124
- Education83-85
- Elementary Education 83
- Emotionally Disturbed 97
- English and Speech (Double
 Major) 95
- Finance126
- Fine Arts-Education 90
- General Curriculum, Business127
- Education 83
- Health and Physical
 Education91, 92
- Home Economics 93

Industrial Arts	94	Journalism	139
Industrial Management and Production	129	Graduate	148
Insurance	130	Degrees Offered	6, 43, 79, 115, 139
Inter-College	73, 99	Dentistry, Preparation for	61
Journalism	141-145	Description of Courses	152
Marketing Research	131	Design Courses	156
Medical Technology	65	Curriculum	55
Music, Applied	102-105	Dismissal	33
Music, Education	105	Distributive Education Courses	167
News Writing and Editing	141	Major	85
Office Management	132	Minor	86
Personnel Management	133	Doctoral Degree	6, 148
Photojournalism	142	Double Major, English-Speech	95
Physical Therapy	66	Double Major, Music	108
Pre-Dental	61	Drinking Regulation	33
Pre-Engineering	68	Early Admission	11, 100, 149
Pre-Law	62, 121	Earth Science, Major and Minor	86
Pre-Medical	63	Economic Biology, Preparation for	59
Pre-Nursing	69	Economic Geography Curriculum	125
Pre-Optometry	70	Economic Theory Curriculum	124
Pre-Pharmacy	70	Courses	169
Pre-Professional Medical Technology	65	Economics Courses	169
Pre-Professional Physical Therapy	66	Curriculum	123
Pre-Veterinary	71	Major and Minor	49
Procurement and Materials Management	134	Sequence of Courses	128
Publication Management	143	Editing, Newswriting Courses	197
Public Relations	144	Curriculum	141
Radio-Television	145	Education Building	6
Real Estate	124	Education, Business Courses	165
Regulated Industries	124	Major and Minor	85
Retailing	135	Education, College of	78-108
Secretarial Administration	136	Aims and Purposes	79
Selling	137	Courses	173
Severely Mentally Retarded	98	Degrees Offered	79
Short Course in Secretarial Administration	138	General Requirements	79
Slow Learners	99	Group Requirements	79
Speech and Hearing Therapy	96	Majors and Minors	85
Speech-English (Double Major)	95	Music	101-108
Curriculum Committee, Business Administration	112	Elementary Education, Certification	82, 100
Education	78	Curriculum	83
Liberal Arts	42	Major	86
Damage to Apparatus	20	Emeriti Faculty	235
Debate	29	Emotionally Disturbed, Curriculum	97
Degree Requirements Bachelor of Arts	44	Major	89
Bachelor of Fine Arts	54	Engineering Drawing Courses	195
Bachelor of Music	101	Engineering, Preparation for	67
Bachelor of Science	46	English and Speech Curriculum	95
Bachelor of Science in Business Administration	115	English Courses	176
Bachelor of Science in Education	80	Doctoral Degree	6, 148
Bachelor of Science in Journalism	139	Majors and Minors	50, 86
Graduate	148	Enrollment Summary	278
Degrees Offered	6, 43, 79, 115, 139	Ensembles, Music	209
Dentistry, Preparation for	61	Entrance Examination, Music	101
Description of Courses	152	Examination, Credit by	12
Design Courses	156	Executive Committee Business Administration	112
Curriculum	55		
Dismissal	33		
Distributive Education Courses	167		
Major	85		
Minor	86		
Doctoral Degree	6, 148		
Double Major, English-Speech	95		
Double Major, Music	108		
Drinking Regulation	33		
Early Admission	11, 100, 149		
Earth Science, Major and Minor	86		
Economic Biology, Preparation for	59		
Economic Geography Curriculum	125		
Economic Theory Curriculum	124		
Courses	169		
Economics Courses	169		
Curriculum	123		
Major and Minor	49		
Sequence of Courses	128		
Editing, Newswriting Courses	197		
Curriculum	141		
Education Building	6		
Education, Business Courses	165		
Major and Minor	85		
Education, College of	78-108		
Aims and Purposes	79		
Courses	173		
Degrees Offered	79		
General Requirements	79		
Group Requirements	79		
Majors and Minors	85		
Music	101-108		
Elementary Education, Certification	82, 100		
Curriculum	83		
Major	86		
Emeriti Faculty	235		
Emotionally Disturbed, Curriculum	97		
Major	89		
Engineering Drawing Courses	195		
Engineering, Preparation for	67		
English and Speech Curriculum	95		
English Courses	176		
Doctoral Degree	6, 148		
Majors and Minors	50, 86		
Enrollment Summary	278		
Ensembles, Music	209		
Entrance Examination, Music	101		
Examination, Credit by	12		
Executive Committee Business Administration	112		

Music	101	Food Services	22
Expansion	5	Foreign Language Courses	183, 218
Experience, Office	166	Students	12
Teacher-Assistant	81	Forensics	29
Work	80	Former Students	10
Extension Classes	8	Four-Year Pre-Professional	
Fees	19	Curricula	58
Faculty	237	Fraternities and Sororities	28
Aerospace Studies	265	House Charges	21
Aerisiti	235	French Courses	219
Military Science	266	Majors and Minors	50, 86
Part-Time	266	Freshmen, Defined	13
Faculty Leaves and Research		Full Load	15, 31
Council	234	General Business Courses	161
Fees and Charges	17-21	Curriculum	127
Academic Center Instruction	19	General Economics Courses	172
Administrative Service	20	General Political Science Courses	214
Apparatus Lost or Damaged	20	General Speech Courses	226
Automobile Registration	20	General University Staff	231
Change of Registration	20	Geography, Economic	125
Credit by Examination	20	Geography Courses	180
Credit Hour	17	Majors and Minors	50, 87
Extension Course	19	Geology Courses	182
Fees	17	Majors and Minors	50, 87
Graduate School	19	German and Russian	183
House Charges	21	German Courses	183
House Residence Course	194	Majors and Minors	51, 87
Incidental	17	Grades and Honors	16-17
Late Registration	20	Grading System	16
Library	19	Incomplete Marks	16
Music	208	Points	16
Nonresident	18	University Honors	16
Private Music Lessons	208	Graduate, Assistants	149, 272
Proficiency Examination	20	Awards	149
Reading Improvement	185	Fees	19
Refund	20	Research Assistants	272
Registration	17	School	148
Room and Board	21	Graduate Study	12, 148
Special Examination	20	Preparation for	59
Special Fees, Charges	20	Early Admission	100, 149
Speech Clinic	185	Graduation Requirements	
Speech Improvement	185	Business Administration	115
Student Teaching	173	Education	79
Summer School	19	Journalism	140
Transcript	20	Liberal Arts	43
When to Pay	20	Grants-in-Aid	24
Workshops	19	Subcommittee	235
Fellows, Teaching	149, 270	Graphic Arts Courses	195
Fellowships	149	Group Requirements	
Finance: Banking and Credit		Bachelor of Arts	44
Management Curriculum	126	Bachelor of Fine Arts	55
Finance Courses	162	Bachelor of Music	79
Financial Aid (See Student		Bachelor of Science	46
Financial Aid)		Bachelor of Science in	
Fine Arts-Education Curriculum	100	Business Administration	115
Fine Arts-Teaching	90	Bachelor of Science in Education	79
Firearms, Prohibition of	33	Guidance and Counseling	7
Flight Training	154	Courses	185

Guidance Services	7	Curriculum	130
Health and Accident Insurance	34	Sequence of Courses	128
Health and Physical Education		Inter-College Curricula	73, 99
Courses	185	Intercollegiate Athletics	30
Courses for Men	187	Interdepartmental Programs	146-147
Courses for Women	188	International Economics Courses	171
Curriculum for Men	91	International Law and Relations	
Curriculum for Women	92	Courses	216
Excuse from	14, 15	International Students	12
Major and Minor	87	International Studies	51, 87, 146
Health Center	6	Intramural Sports	30
Health Education, Minor	87	Committee	234
Health Examination Form	10	Italian Courses	220
Health Insurance	34	Journalism, Courses	197
Health Service	34	Curricula	141-145
Advisory Committee	234	Field of	139
Hearing, Speech Clinic	7	Majors and Minors	51, 88
Courses	227	Objectives	139
High School Scholarship		Requirements	140
Tests Committee	234	School of	139
High School Seniors	9	Juniors, Defined	13
Application by	9	Key	30
Subjects	9	Labor Economics Courses	170
History and Political Science		Laboratory Facilities	82
Major and Minor	87	Land Economics Courses	172
History Courses	89	Land Use Plan	5
Major and Minor	51	Late Registration Charge	20
Music	205	Latin Courses	220
History of the University	5	Majors and Minors	52, 88
Home Economics Careers	59	Law, Preparation for	62, 121
Courses	193	Liberal Arts, Careers	43
Curriculum	93	College of	42
Majors and Minors	51, 87	Council	42
Honor Societies	28	Degrees	43
Honorary Degrees Committee	234	Group Requirements	44, 46
Honors	16	Majors and Minors	48
Committee	234	Liberal Arts Graduates,	
Program	12	Certification of	74
Seminar	195	Library	6
University	16	Advisory Committee	234
Honors Courses, Mathematics	203	Library Science Courses	198
Housing	21	Majors and Minors	52, 88
Humanities Council	42	Library Work, Preparation for	59
Ice Arena	6	Load, Academic	15
Illness, Reporting	34	Loans for Students	24
Withdrawal for	34	Magna Cum Laude	17
Incidental Fee	17	Major Art Areas	55
Summer School	19	Majors and Minors, Education	85
Incomplete Marks	16	Graduate School	148
Industrial Arts Courses	195	Liberal Arts	48
Curriculum	94	Make-Up Tests	31
Major and Minor	87	Management Courses	163
Industrial Management and		Marching Band	30
Production Curriculum	129	Marketing Courses	199
Industrial Relations Curriculum	129	Marketing Research Curriculum	131
Instruction Council, Music	101	Marriage of Students	33
Insurance, Health and Accident	34	Master Plan	5
Insurance Courses	163	Mathematics and Sciences,	

- Preparation for 60
- Mathematics Council 42
- Mathematics Courses 201
- Honors 203
- Majors and Minors 52, 88
- Meal Ticket 22
- Medical Technology, Preparation
for 64
- Medicine, Preparation for 63
- Merchandising, Minor 86
- Microbiology Courses 160
- Mid-American Conference 30
- Military Science Courses 204
- Minors
- Education 85
- Graduate School 148
- Liberal Arts 48
- Money, Banking, Public
- Finance Courses 170
- Music, Applied 102-105, 208
- Committees 101
- Courses 205
- Curriculum 102-108
- Degree 101
- Double Major 108
- Education 105-108, 207
- Ensembles 209
- Entrance Examination 101
- Executive Committee 101
- Fees 208
- Lessons 208
- Majors and Minors 52, 88
- Objectives 101
- Organizations 30
- Private Lessons 208
- Public School 105
- Recitals 209
- School of 6, 101-108
- National Defense Loans 24
- National Science Foundation
- Courses 204
- News Writing and Editing Courses 197
- Curriculum 141
- Nonresident Admission 9
- Fee 18
- Students 18
- Numbering of Courses 152
- Nursing, Preparation for 69
- Objectives 4
- Occupancy of Rooms 22
- Occupational Therapy,
Preparation for 69
- Off-Campus Services 8
- Off-Campus Students 19
- Office Experience 166
- Office Management 132
- Ohio Resident 9
- Optometry, Preparation for 70
- Orchestras 30
- Organ Curriculum 103
- Organizations, Music 30
- Fraternities and Sororities 28
- Student Body 28
- Orientation 14
- Osteopathy, Preparation for 71
- Painting Courses 156
- Curriculum 55
- Part-Time Faculty 266
- Part-Time Work 24
- Percussion Curriculum 104
- Personal Effects, Responsibility for 22
- Personnel Management
- Curriculum 133
- Pharmacy, Preparation for 71
- Philosophy Courses 210
- Major and Minor 52
- Photography Courses 196, 197
- Photojournalism Curriculum 142
- Physical Education Courses 185
- Courses for Men 187
- Courses for Women 188
- Excuse from 14
- Physical Science, Major and Minor 88
- Physical Therapy, Preparation for 66
- Physics Courses 212
- Major and Minor 53, 89
- Piano Curriculum 103
- Pilot Training 154
- Placement, Advanced 11
- Placement Office 8
- Plant Expansion 5
- Points and Point Averages 16
- Policy Council 78
- Political Science Courses 214
- Major and Minor 53
- Political Theory Courses 214
- Pre-Professional Programs 58-73
- Arts-Business 72
- Arts-Education 72
- Arts-Engineering 68
- Arts-Professional 60
- Baccalaureate-Master 59
- Business, Preparation for 58, 73
- College Teaching 59
- Combined Baccalaureate-Master 59
- Combined Curricula 73, 99, 138
- Correctional Work 59
- Dentistry 61
- Economic Biology 59
- Engineering 67
- Four-Year Curricula 58
- Graduate Study 59
- Home Economics 59
- Law 62, 121
- Library Work 59
- Mathematics and Sciences 60

Medical Technology	64	Recognition, Accreditation	5
Medicine	63	Recreation Minor	53
Nursing	69	Refund of Fees	20, 22
Occupational Therapy	69	Registration Fee	17
Optometry	70	Summer School	19
Osteopathy	71	Registration for Classes	13-15
Pharmacy	71	Academic Advising	14
Physical Therapy	66	Academic Load	15
Pre-Professional Preparation	67	Change of College	15
Public Administration	60	Changes in Registration	14
Religious Work	60	Courses in Third and Fourth	
Social Work	60	Years	15
Veterinary	72	Courses Required	14
Preregistration	13	Orientation	14
President's Advisory Council	234	Repeating a Course	15
Prints Courses	156	Required Courses	14
Curriculum	55	Summer Preregistration	13
Private Lessons, Music	208	Time of Registration	14
Privileges	43	Transcripts of Credits	15
Procedure for Admission	10	Unit of Credit	15
Procurement and Materials		When to Take	15
Management	134	Withdrawal of a Course	15
Production Management		Regulated Industries Curriculum	124
Curriculum	129	Regulations, University	31-34
Professional Requirements		Academic Standing	32
Business Administration	116	Certification	82
Education	80	Class Attendance	31
Proficiency Examination Fee	20	Dismissal from University	33
Provisional Certification	82, 100	Drinking	33
Psychology Clinic	7	Firearms	33
Psychology Courses	217	Loco Parentis	30
Major and Minor	53	Marriage of Students	33
Public Address Courses	225	Prohibition of Firearms	33
Public Administration, Courses	215	Readmission	33
Preparation for	60	Student Use of Automobiles	33
Public Finance Courses	170	Suspension, Cause for	33
Public Law Courses	214	Warning	32
Public Relations Courses	198	Withdrawal from University	33
Curriculum	144	Religious Activities Committee	234
Public School Art	90	Religious Life	28
Music	105	Religious Work, Preparation for	60
Public Utilities Course	171	Repeating a Course	15
Curriculum	124	Reporting Illness	34
Publication Management		Required Courses, All Students	14
Curriculum	143	Freshmen	14
Publications Committee	234	Third and Fourth Years	15
Publications, Student	30	Required High School Subjects	9
Quality Points	16	Requirements for Graduation	
Radio and Television Courses	198, 227	Business Administration	115
Radio-Television Curriculum	145	Education	79
Radio Station	29	Liberal Arts	43
Reading Center	7	Journalism	140
Reading Improvement Course	185	Research Assistants, Graduate	272
Fee	185	Residence, Defined	18
Readmission	10, 33	Residence Halls	21-22
Real Estate Curriculum	124	Acceptance Agreement	21
Recess	22	Application for	10
Recital Attendance	209	Change of University Address	22

- Expenses 21
 Food Services 22
 Fraternity and Sorority 21
 Occupancy of Rooms 22
 Off-Campus Students 21
 Payment Schedule 21
 Purpose and Program 21
 Rates 21
 Refunds 22
 Required to Live in 21
 Responsibility, Personal Effects 22
 Time of Payment 21
 Vacation Periods 22
 Residential Contract Card 21
 Retailing Courses 200
 Curriculum 135
 Retraining Certificate 100
 Romance Languages 218
 ROTC 35-37
 Courses 154, 204
 Russian Courses 184
 Minor 53, 89
 Sales Management Curriculum 137
 Salesmanship-Merchandising
 Minor 86
 Scholarships 23
 Subcommittee 235
 School of Journalism 6, 139
 School of Music 6, 101-108
 Committees 101
 Science, Major and Minor 89
 Science-Research Complex 6
 Sciences and Mathematics Council 42
 Screening Committee 78
 Sculpture Courses 156
 Curriculum 55
 Secondary Education
 Certification 82
 Committee 78
 General Curriculum 84
 Subject Fields 83
 Secretarial Administration
 Curriculum 136
 Sequence of Courses 128
 Short Courses 138
 Selection and Screening Committee 78
 Selling Curriculum 137
 Seniors Defined 13
 100-Level Courses 15
 Sequences of Courses
 Business Administration 128
 Education 85
 Liberal Arts 48
 Major Art Areas 55
 Music 102-106
 Services Beyond the Campus 8
 Severely Mentally Retarded Children
 Curriculum 98
 Major 89
 Short Courses 8, 138
 Shorthand Courses 165
 Slow Learning Children
 Curriculum 99
 Major 89
 Social Policy Committee 235
 Social Sciences Council 42
 Social Studies, Major 89
 Social Work, Preparation for 60
 Sociology Courses 223
 Major and Minor 53
 Sophomores, Defined 13
 Sororities 28
 Spanish Courses 221
 Majors and Minors 54, 89
 Special Examination Fee 20
 Special Status 43
 Special Students 11
 Specialist in Education 6, 148
 Speech and English Double Major 95
 Speech and Hearing Clinic 7
 Speech and Hearing Therapy
 Courses 227
 Curriculum 96
 Majors and Minor 54, 89
 Speech Clinic 185
 Fee 185
 Speech Courses 225
 Majors and Minors 54, 89
 Sports 30
 Spring Recess 22
 Stadium 6
 Staff 230
 Standards of Performance 114
 Statistics, Courses 164
 Curriculum 122
 Stenographic-Typing Minor 86
 Strings Curriculum 104
 Student Assistantships 24
 Student Body Organization 28
 Student Financial Aid 23-24
 Application for Scholarship 23
 Assistantships 24
 Committee 235
 Grants-in-Aid 24
 Information and Application 23
 Loans 24
 Loans Subcommittee 235
 National Defense Loans 24
 Part-Time Work 24
 Scholarships 23
 Student Assistantships 24
 Veterans and War Orphans 24
 War Orphan Scholarships 24
 Student Health Center 6
 Student Life and Activities 28-30
 Councils and Committees 28

Cultural and Social Events	28	Curriculum	145
Forensics	29	Television Instruction	29
Fraternities and Sororities	28	Thanksgiving Recess	22
Honor Societies	28	Theatre, University	29
Intercollegiate Athletics	30	Theatre Courses	226
Intramural Sports	30	Theory Courses, Music	205
Music Organizations	30	Third and Fourth Years,	
Radio Station	29	Courses in	15
Religious Life	28	Time of Registration	14
Sororities	28	Track	6
Student Body Organization	28	Transcripts of Credits	15
Student Participation in		Charge	20
Government	28	High School	10
Student Publications	30	Transfer Students	10
Television Instruction	29	Transient Students	11
University Councils and		Transportation Courses	171
Committees	28, 234	Curriculum	124
University Theatre	29	Travel-Study Programs	8
WBGU-FM Radio	29	Trustees, Board of	230
WBGU-TV	29	Typewriting Courses	165
Student Loans	24	Typing and Stenographic Minor	86
Sub-Committee	235	Undergraduate, Advanced	59, 149
Student Publications	30	Undergraduate Study	7
Student Services, Administration	230	Unit of Credit	15
Student Services Building	6	University	
Student Teaching Program	81	Calendar	Inside Back Cover
Advisory Committee	78	Chamber Orchestra	30
Fees	173	Chorus	30
Laboratory Facilities	82	Councils and Committees	28, 234
Students, Classified	13	Health Service	34
Nonresident	18	History	5
Special	11	Honors	16
Transfer	10	Insurance Committee	235
Transient	11	Loan Funds	24
Summa Cum Laude	17	Regulations	31
Summary of Enrollment	278	Symphony Orchestra	30
Summer Preregistration	13	Theatre	29
Summer School	7	Upperclass Courses	15
Fees	19	Vacation Periods	22
Suspension, Cause for	33	Veterans and War Orphans	24
Symphonic Band	30	Veterinary Medicine,	
Symphony Orchestra	30	Preparation for	72
Teacher-Assistant Experience	81	Voice Curriculum	102
Teacher Certification	74, 82, 99	Warning	32
Teacher Preparation, Fine Arts	56	War Orphans	24
Teachers of Emotionally Disturbed		WBGU-FM Radio	29
Children	89, 97	WBGU-TV	29
Teachers of Severely Mentally		Withdrawal, for Illness	34
Retarded Children	89, 98	from a Course	14
Teachers of Slow Learning		from University	33
Children	89, 99	of Course from Schedule	15
Teaching Fellows	270	Woodwind Curriculum	104
Fellowships	149	Work, Part-Time	24
Teaching Fields	83	Work Experience	80, 166
Teaching Laboratory	82	Workshops	8
Television	29	Fees	19
Television Courses	198, 227	Year, Academic	7, Inside Back Cover
Credit for	12	Zoology Courses	159

University Calendar - 1967-1968

July-August-September

Preregistration, Freshmen and Transfer Students

FIRST SEMESTER

September 14, Thursday	First Meeting of Faculty
September 16, Saturday	Residence halls open for freshmen and transfer students; final time for payment of fees, freshmen and transfer students, 4 p.m.
September 17, Sunday	Beginning Orientation for freshmen and transfer students
September 18, Monday	Residence halls open for upperclassmen
September 19, Tuesday	Final time for payment of upperclass and graduate student fees, 4 p.m.
September 20, Wednesday	Beginning of classes, 8 a.m.
October 14, Saturday	Homecoming
October 28, Saturday	Dad's Day
November 22, Wednesday	Beginning of Thanksgiving Recess, 8 a.m.
November 27, Monday	Resumption of classes, 8 a.m.
December 16, Saturday	Beginning of Winter Recess, noon
January 3, Wednesday	Resumption of classes, 8 a.m.
January 23, Tuesday	Ending of classes
January 24, Wednesday	Beginning of final examinations, 8 a.m.
January 30, Tuesday	Ending of final examinations
January 31, Wednesday	Midyear Commencement

SECOND SEMESTER

February 10, Saturday	Final Registration, all students; final time for payment of fees, 4 p.m.
February 12, Monday	Beginning of classes, 8 a.m.
April 6, Saturday	Beginning of Spring Recess, noon
April 16, Tuesday	Resumption of classes, 8 a.m.
June 1, Saturday	Ending of classes
June 3, Monday	Beginning of Final Examinations
June 7, Friday	Ending of Final Examinations
June 9, Sunday	Annual Commencement

SUMMER SCHOOL—1968

June 19, Wednesday	Beginning of classes—First Session
July 23, Tuesday	First Session Ends
July 25, Thursday	Beginning of classes—Second Session
August 28, Wednesday	Second Session Ends
August 29, Thursday	Summer Commencement

The University is studying the adoption of the quarter system to begin in the fall of 1968. Information about the 1968-69 calendar will be available in the fall of 1967.

Design by R. Jacomini

Photo credits: University News Service, School of Journalism, and the Key

1977-78
8961-88

BULLING

BOWLING

GREAT

WAYS

STAND
UNIVERSITY

