

412.\* VECTOR ANALYSIS. 3; II; offered in 1958-59 and in alternate years. Vector and scalar algebra and geometry; differentiation, integration, and differential operators; general coordinates; harmonic functions; potentials; applications to electric theory and hydro-dynamics. Prerequisites: Mathematics 202; Physics 201; or consent of instructor. Mr. Krabill.

413.\* CALCULUS OF FINITE DIFFERENCES. 3; offered on demand. Differencing; interpolation with equal and unequal intervals; finite integration; summation of series; approximate integration. Prerequisite: Mathematics 202. Staff.

## MILITARY SCIENCE AND TACTICS

### GENERAL MILITARY SCIENCE

PROFESSOR, LIEUTENANT COLONEL MYERS (CHAIRMAN); ASSISTANT PROFESSORS, CAPTAINS MENEFEE, SNYDER; FIRST LIEUTENANT BARTEL; INSTRUCTORS, CHIEF WARRANT OFFICER RALPH, SERGEANT FIRST CLASS SIKON, SERGEANT MURON.

101-102.\* MILITARY SCIENCE AND TACTICS I. First Year Basic. 2 each semester; I, II. Introduction to military science, including military organization of the Army and ROTC; American military history; individual weapons and marksmanship; leadership, drill, and exercise of command. Staff.

201-202.\* MILITARY SCIENCE AND TACTICS II. Second Year Basic. 2 each semester; I, II. Leadership, drill, and exercise of command; maps and aerial photograph reading; crew-served weapons and gunnery. Prerequisite: Military Science 102 or veteran with minimum of six months' active duty. Staff.

301-302.\* MILITARY SCIENCE AND TACTICS III. First Year Advanced. 3 each semester; I, II. Leadership, drill, and exercise of command; military teaching methods; first aid; military sanitation; organization, functioning, and missions of the Arms and Services; small unit tactics and communications. Prerequisite: Military Science 202 or veteran with 12 months or more of active duty. Staff.

401-402.\* MILITARY SCIENCE AND TACTICS IV. Second Year Advanced. 3 each semester; I, II. Operations; logistics; military administration and personnel management; service orientation; leadership, drill, and exercise of command. Prerequisite: Military Science 302. Staff.

## MUSIC

PROFESSORS McEWEN (CHAIRMAN), KENNEDY; ASSOCIATE PROFESSORS ALLEN, FAULEY, HAVEN, HIMMEL, JENSEN, SPANGLER; ASSISTANT PROFESSORS ALEXANDER, WEGER; INSTRUCTORS BENSTOCK, ECKER, H. LAKOFKY\*\*, LIETZ, WILCOX; PART-TIME INSTRUCTORS BAUER, BOILEAU, CURTIS, GLASMIRE, McLAUGHLIN.

### COURSES IN THEORY, HISTORY, AND APPRECIATION

101.\* SIGHT SINGING AND EAR TRAINING. 2; I. Fundamental principles of pitch and rhythm as a basis for solfeggio; dictation for oral and written response. Four hours a week. Mr. Alexander.

\*\*On leave of absence.

102.\* SIGHT SINGING AND EAR TRAINING. 2; II. A continuation of Music 101. Four hours a week. Prerequisite: Music 101. Mr. Alexander.

103.\* NOTATION AND THEORY. 2; I. Elementary theory; notation; scales; key signatures; clefs; intervals; triads; chords of the seventh and ninth. Three hours a week. Parallel: Music 101. Mr. Benstock.

104.\* HARMONY. 2; II. Four-part writing; harmonic dictation; keyboard. Three hours a week. Prerequisite: Music 103 or equivalent. Parallel: Music 102. Mr. Benstock.

107.\* ELEMENTARY CONDUCTING AND TERMINOLOGY. 1; I. Basic terms and signs; fundamental conducting techniques. Two hours a week. Staff.

108.\* INTERMEDIATE CONDUCTING AND TERMINOLOGY. 1; II. A continuation of Music 107. Prerequisite: Music 107. Two hours a week. Staff.

201.\* SIGHT SINGING AND EAR TRAINING. 1; I. Prepared and sight-reading of advanced choral material; melodic and harmonic dictation. Two hours a week. Prerequisite: Music 102. Mr. Alexander.

202.\* SIGHT SINGING AND EAR TRAINING. 1; II. A continuation of Music 201. Two hours a week. Prerequisite: Music 201. Mr. Alexander.

205.\* HARMONY. 3; I. Nonharmonic tones; altered chords; modulations; harmonic counterpoint. Prerequisite: Music 104 or equivalent. Miss Jensen.

206.\* HARMONY. 3; II. A continuation of Music 205. Prerequisite: Music 205. Miss Jensen.

211. GENERAL MUSIC. 2; I, II. Fundamental music skills; theory; reading by syllable; pitch and rhythm dictation; music appreciation; song singing. Four hours a week. Not open for credit to music majors or minors. Staff.

212. GENERAL MUSIC. 2; II. A continuation of Music 211; methods of teaching music in the elementary grades. Four hours a week. Prerequisite: Music 211. Not open for credit to music majors or minors. Staff.

301.\* CHORAL LITERATURE. 1; II. Reading and study of sacred and secular choral music from 16th to 20th century. Two hours a week. Prerequisite: Music 202. Mr. Allen.

303.\* COUNTERPOINT. 2; I. Simple counterpoint; analysis of works of 16th century contrapuntists; use of modes and imitation. Prerequisite: Music 206 or equivalent. Mr. Kennedy.

304.\* ANALYSIS OF FORM. 2; II. Analysis of the larger forms of musical composition. Prerequisite: Music 206 or equivalent. Miss Jensen.

305.\* HISTORY OF MUSIC. 3; I. General course; readings, reports, and recorded music; survey of all periods. Miss Jensen.

306.\* HISTORY OF MUSIC. 3; II. A continuation of Music 305. Miss Jensen.

309.\* MODERN MUSIC. 2; offered on demand. An analysis course in recent and contemporary music. Prerequisites: Music 304, 306. Miss Jensen.

311.\* CHORAL LITERATURE. 1; offered on demand. Reading and study of cantatas, oratorios, and other choral compositions, classical and modern. Two hours a week. Prerequisite: Music 202. Mr. Allen.

315.\* INSTRUMENTATION. 2; I. Instrumentation and scoring for orchestral and band ensembles and full groups. Mr. Benstock.

316.\* COMPOSITION. 2; offered on demand. Original composition in songs and instrumental forms. May be repeated once for credit with consent of department chairman. Prerequisite: Music 304. Mr. Kennedy.

317.\* MUSIC APPRECIATION. 2; I, II. Enjoyment and understanding of music; hearing, lecture, and readings. Not open to special music students or to those having credit for Music 305 or 306. Mr. McEwen.

318.\* SYMPHONIC LITERATURE. 1; I. A hearing course in the larger standard instrumental works. Intended primarily for students majoring in music. Prerequisite: Music 205. Prerequisites or parallels: Music 305, 306. Miss Jensen.

319.\* SYMPHONIC LITERATURE. 1; offered on demand. A continuation of Music 318. Miss Jensen.

320.\* BAND ARRANGING. 2; offered on demand. Scoring for band, choirs, ensembles, and full band. Staff.

### COURSES IN MUSIC EDUCATION

203. INTRODUCTION TO PUBLIC SCHOOL MUSIC. 2; II. Purpose and place of music in the general scheme of education; methods in public school music. Two hours a week. Mr. McEwen.

352. METHODS IN MUSIC APPRECIATION. 2; I. The basis of music appreciation; subject matter and methods; preparing and teaching typical lessons. Mr. McEwen.

355. METHODS IN SECONDARY MUSIC. 2; offered on demand. Subject matter and materials for music in junior and senior high schools. Prerequisite: Education 309. Mr. Fauley.

357. INSTRUMENTAL ORGANIZATION AND ADMINISTRATION. 2; II. For elementary and secondary schools. Mr. Weger.

### COURSES IN APPLIED MUSIC

125.\* PERCUSSION CLASS. 1. Mr. Boileau.

135.\* SMALL BRASS CLASS. 1. Mr. Wilcox.

136.\* LARGE BRASS CLASS. 1. Mr. Glasmire.

147.\* CLARINET AND FLUTE CLASS. 1. Mr. Ecker, Mr. Weger.

185.\* HIGH STRING CLASS. 1. Mr. Alexander.

187.\* LOW STRING CLASS. 1. Mr. Alexander.

246.\* OBOE AND BASSOON CLASS. 1. Mr. Ecker.

121\*, 122\*, 221\*, 222\*, 321-324.\* PERCUSSION INSTRUMENTS. 1 or 2. Mr. Boileau.

131\*, 132\*, 231-234\*, 331-334\* (1 each); 335-338\* (2 each). BRASS INSTRUMENTS. Mr. Glasmire, Mr. Weger, Mr. Wilcox.

141\*, 142\*, 241-244\*, 341-344\* (1 each); 345-348\* (2 each). WOODWIND. Mr. Bauer, Mr. Ecker, Mr. Weger.

161-166\*, 261-264\*, 361-364\* (1 each); 365-368\* (2 each). PIANO. Mr. Haven, Miss Jensen, Mr. Kennedy, Mr. Lietz, Mr. Spangler.

171\*, 172\*, 271\*, 272\*, 371-374.\* VOICE. 1 or 2 each. Mr. Allen, Mr. Fauley, Mr. Himmel.

181-184\*, 189\*, 281-284\*, 381-384\* (1 each); 385-388\* (2 each). STRING INSTRUMENTS. Mr. Alexander, Mr. Benstock, Mr. McLaughlin.

191\*, 192\*, 291\*, 292\*, 391-394.\* ORGAN. 1 or 2 each. Mr. Curtis.

100.\* SMALL ENSEMBLES. 1 a semester; I, II. According to the talent available, small vocal and instrumental ensembles are formed under the supervision of the department. Admission is by try-out. May be taken more than once, but the total credit earned may not exceed 4 semester hours. Staff.

200.\* MUSICAL ORGANIZATIONS. 1 a semester; I, II. The Concert Band, Marching Band, A Cappella Choir, Symphony Orchestra, and Treble Clef Club are open to all students of the University with the necessary musical ability. All credit earned in Music 200 will be placed on the student's permanent academic record, but not more than 8 semester hours may apply toward degree requirements. Staff.

300.\* SMALL ENSEMBLES. 1 a semester; I, II. Similar to Music 100, but for juniors and seniors. May be taken more than once, but the total credit earned may not exceed 4 semester hours. Staff.

### REQUIREMENTS

CREDIT REQUIREMENT. Twenty-seven to twenty-nine semester hours of applied music are required for students in public school music. All courses in applied music, including Music 100, 200, 300, may be used to meet this requirement.

INSTRUCTION. Study in applied music is offered in piano, voice, organ, and all orchestral and band instruments. All students enrolling in applied music courses for the first time are required to take a placement examination during registration week for purposes of classification based on ability and previous training. Studio class recitals will be held from time to time as deemed necessary by the instructor. Applied music students must pass satisfactorily an examination before a faculty committee at the end of the semester in order to receive full credit.

**RECITAL ATTENDANCE.** Students majoring in music are required to attend a minimum of 12 concerts a semester. This includes student and faculty recitals and concerts, and the University Artist Series. For less than 12 concerts attended, one-half hour of general credit will be deducted from the student's total credit hours; for less than 7 concerts attended, one hour of general credit will be deducted.

**MAJOR REQUIREMENTS.** Students majoring in piano must have sufficient performing ability to begin with Music 261 or higher and must complete Music 364 for graduation. Students majoring in voice must complete Music 374 for graduation. Those majoring in violin must begin with Music 281 or higher and complete Music 388 for graduation. Students majoring in brass instruments must begin with Music 231 or higher and complete Music 338 for graduation. Those majoring in woodwind instruments must begin with Music 241 or higher and complete Music 348 for graduation. Students majoring in percussion must complete Music 324 for graduation.

#### FEES

A fee of \$30 is charged for each semester hour of applied music, except in courses designated "class."

Students enrolled for applied music have access to practice rooms and equipment without charge, in accordance with schedules and regulations determined by the Department of Music.

## PHILOSOPHY

PROFESSOR TUTTLE (CHAIRMAN).

201.\* **INTRODUCTION TO PHILOSOPHY.** 3; I, II. A study of the methods and problems of philosophy in relation to contemporary institutions. Mr. Tuttle.

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. Mr. Tuttle.

204.\* **AESTHETICS.** 3; II. The nature and meaning of "beauty," approached historically and applied to present-day experience. Courses in the appreciation and history of art and music are of value in connection with this course. Mr. Tuttle.

206.\* **PROBLEMS OF PHILOSOPHY.** 3; offered on demand. A more extended study of some of the fundamental and persistent philosophical problems treated in Philosophy 201. Mr. Tuttle.

301.\* **LOGIC.** 3; I. Topics examined in this course are language analysis, including discussion of ambiguity, levels of meaning, figurative language; deductive reasoning; inductive reasoning. Mr. Tuttle.

315.\* **SEVENTEENTH CENTURY PHILOSOPHY.** 3; I; offered in 1958-59 and in alternate years. A consideration of the great philosophical systems of the period: Hobbes, Descartes, Spinoza, Locke, and Leibniz. Mr. Tuttle.

321.\* **HISTORY OF ANCIENT PHILOSOPHY.** 3; I; offered in 1958-59 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. Mr. Tuttle.

322.\* **HISTORY OF MEDIEVAL AND MODERN PHILOSOPHY.** 3; II; offered in 1958-59 and in alternate years. A survey of major concepts in the philosophies of Catholic Europe; the humanistic emphasis of the Renaissance; the rise of empiricism in England, of rationalism on the continent, and the resulting philosophy of Kant and his followers. Mr. Tuttle.

323.\* **HISTORY OF RELIGIONS.** 3; I; offered in 1957-58 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. Mr. Tuttle.

324.\* **HISTORY OF RELIGIONS.** 3; II; offered in 1957-58 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. Mr. Tuttle.

402.\* **PHILOSOPHY OF SCIENCE.** 3; II; offered in 1957-58 and in alternate years. The nature and meaning of the presuppositions of science and the conclusions of the sciences as the data of philosophy. Mr. Tuttle.

412.\* **EPISTEMOLOGY.** 3; offered on demand. The origin, content, and validity of knowledge; the authoritarian, empirical, rational, pragmatic, correspondence, coherence, and intuitive interpretations of truth. Prerequisite: Philosophy 201 or consent of instructor. Mr. Tuttle.

414.\* **PHILOSOPHY OF BUSINESS.** 3; offered on demand. A study of the underlying philosophies of business as applied by businessmen to the problems of management and labor, management and customers, and management and the community. Mr. Tuttle.

415.\* **AMERICAN THOUGHT.** 3; I; offered in 1957-58 and in alternate years. 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. Tuttle.

417.\* **PHILOSOPHY OF RELIGION.** 3; II; offered in 1958-59 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. Mr. Tuttle.

Students majoring in journalism must take Business Education 111 in the first year unless they have had typewriting in high school. Suggested minors: English, history, speech.

Minor: Same as above minus 7 semester hours of electives.

**LATIN.** Minor: *First year*, Latin 101, 102. *Second year*, Latin 201, 202; *Second, third, and fourth years*, 7 semester hours selected from 203, 204, 212, 301, 302, 312. (Total, 21 semester hours.)

**LIBRARY SCIENCE.** Minor: *Second year*, Library Science 201, 202. *Third and fourth years*, Library Science 303, 304, 403, 404. (Total, 18 semester hours.)  
Suggested majors: English, history, foreign language, social studies.

**MATHEMATICS.** Major: *First year*, Mathematics 101, 102, 104, 103 or 105, or equivalent. *Second year*, Mathematics 201, 202. *Third or fourth year*, electives in mathematics, 9 semester hours to be recommended by the major adviser. (Total, 29 semester hours.)

Minor: *First year*, Mathematics 101, 102, 104, 103 or 105, or equivalent. *Second year*, Mathematics 201, 202. *Third year*, electives in mathematics, 3 semester hours. (Total, 23 semester hours.)

**MUSIC.** Major: See special curriculum, page 137.

Minor—Instrumental: *First year*, Music 101, 102, 103, 104, 107, 108; applied music in instruments, 2 semester hours. *Second year*, Music 203, 205, 206; applied music in instruments, 1 semester hour. *Third or fourth year*, Music 305, 306, 355. (Total, 27 semester hours.)

Minor—Vocal: *First year*, Music 101, 102, 103, 104, 107, 108; applied music in piano, voice, or both, 2 semester hours. *Second year*, Music 205. *Third or fourth year*, Music 305, 306, 355. (Total, 24 semester hours.)

Students interested in a minor in either instrumental or vocal music should consult the chairman of the Music Department with reference to proficiency requirements established by the State Department of Education. Students who do not meet these standards will be required to take additional courses in applied music. For a statement of fees for courses in applied music see Applied Music under the Department of Music in Description of Courses.

**PHYSICAL SCIENCE.** Major: *First year*, Chemistry 101, 102. *Second year*, Physics 201, 202; or 203, 204. *Third or fourth year*, Chemistry 201, 202; electives in science, 4 semester hours. (Total, 28 semester hours.)

It is recommended that physical and comprehensive science majors elect Philosophy 402 to apply on group requirements in social science. Students interested in chemistry should elect Chemistry 203.

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

**SCIENCE.** Major—Comprehensive: *First year*, Biology 101, 102, or Chemistry 101, 102; Mathematics 101, 103. *Second year*, Physics 201, 202, or 203, 204; Chemistry 101, 102, or Biology 101, 102. *Third and fourth years*, at least 12 semester 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 semester hours. Those who choose the 20 semester hour field in physics also take Mathematics 102, 104, 201, and 202. (Total, 45 semester hours.)

Minor—General: *First year*, Biology 101, 102 or Chemistry 101, 102. *Second year*, Chemistry 101, 102 or Biology 101, 102. *Third year*, Physics 201, 202 or Physics 203, 204. (Total, 24 semester hours.)

**SOCIAL STUDIES.** Major—Comprehensive: *First year*, History 151, 152; Geography 101. *Second year*, History 205, 206; Sociology 201, 202; Political Science 201, 202. *Third and fourth years*, Economics 201 plus 15 hours in social studies of which 3 must be in American and 3 in European history on the 300-400 level. (Total, 45 semester hours.)

**SPANISH.** Major: For students who begin Spanish in college—*First year*, Spanish 101, 102. *Second year*, Spanish 201, 202. *Third or fourth year*, Spanish 301, 302 or 303, 304; electives in Spanish, 14 semester hours. (Total, 36 semester hours.) For students who have had two years of Spanish in high school—*First year*, Spanish 201, 202. *Second year*, Spanish 301, 302 or 303, 304. *Third or fourth year*, electives in Spanish, 14 semester hours. (Total, 28 semester hours.) Students who have had four years of Spanish in high school begin with Spanish 301 and continue with Spanish 302, 303, 304, and 8 semester hours of electives in Spanish. (Total, 20 semester hours.)

Minor: For students who begin Spanish in college—*First year*, Spanish 101, 102. *Second year*, Spanish 201, 202. *Third or fourth year*, Spanish 301, 302; or 303, 304; electives in Spanish, 8 semester hours. (Total, 30 semester hours.) For students who have had two years of Spanish in high school—*First year*, Spanish 201, 202. *Second year*, Spanish 301, 302; or 303, 304. *Third or fourth year*, electives in Spanish, 8 semester hours. (Total, 22 semester hours.) Students who have had four years of Spanish in high school begin with Spanish 301, 302 or 303, 304 and elect 8 semester hours from 400-level courses in Spanish. (Total, 14 semester hours.)

**SPEECH.** Major: See special curriculum, page 139.

Major: *First year*, Speech 102, 112, 141, 146; *Second year*, Speech 202, 203, 223, 243, 261; *Third or fourth year*, Speech 315, 341. (Total, 28 semester hours.)

Minor: *First year*, Speech 102, 141; *Second year*, Speech 203, 223, 202 or 261; *Third or fourth year*, Speech 341. (Total, 18 semester hours.)

**SPEECH AND HEARING THERAPY.** Major: See special curriculum, page 140.

## 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
Health-Physical Ed. 101	1	Health-Physical Ed. 102	1
	<hr/>		<hr/>
	16		16

## SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 201	3	Industrial Arts 203	3
Industrial Arts 221	3	Industrial Arts 211	3
Industrial Arts 231	2	Industrial Arts 261	3
Psychology 101	3	Psychology 104	3
Science elective	3	Social studies elective	3
Health-Physical Ed. 201	1	Health-Physical Ed. 202	1
	<hr/>		<hr/>
	15		16

## THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Art 263	3	Industrial Arts 291	3
Graphic Arts 308	2	Social studies electives	6
Industrial Arts 281	2	Minor or electives	6
Industrial Arts 347	3		
Industrial Arts 352	3		
Social studies elective	3		
	<hr/>		<hr/>
	16		15

## FOURTH YEAR

Semester of professional concentration, including student teaching	15
Minor or electives	15

## MUSIC (PUBLIC SCHOOL) CURRICULUM

Four choices of emphasis offered in this curriculum are outlined on page 138. Each follows the general pattern below. In choices 3 and 4 the variations will be found in the requirements in applied music, minor applied music classes,

Music 200, and in student teaching experiences. In choices 3 and 4 academic subjects may be substituted for certain music courses, as indicated.

## FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Applied music	2	Applied music	2
English 101	3	English 102	3
Music 101, 103	4	Music 102, 104	4
Music 200	1	Music 200	1
Science or mathematics elective	3	Psychology 101	3
Health-Physical Ed. 101	1	Social studies elective	3
	<hr/>	Health-Physical Ed. 102	1
	14		<hr/>
			17

## SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Applied music	2	Applied music	2
Minor applied music class	1	English literature elective	3
Music 107, 201, 205	5	Minor applied music class	1
Music 200	1	Music 108, 202, 203, 206	7
Psychology 104	3	Music 200	1
Speech 102	3	Health-Physical Ed. 202	1
Health-Physical Ed. 201	1		
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	16		15

## THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Applied music	2	Applied music	2
Minor applied music class	1	Minor applied music class	1
Music 303, 305, 315	7	Music 301, 304, 306, 357	8
Music 318, 352	3	Music 200	1
Music 200	1	Music elective	1
Social studies elective	3	Science elective*	3
	<hr/>		<hr/>
	17		16

## FOURTH YEAR

<i>First or Second Semester</i>		<i>First or Second Semester</i>	
Applied music	2	Semester of professional concentration, including student teaching	15
Music 200	2		
Social studies electives	6		
Electives (non-music)	5		
	<hr/>		<hr/>
	15		

\*Recommended elective, Physics 350.

## ALTERNATIVE PROGRAMS IN MUSIC EDUCATION

### 1. VOCAL MAJOR WITH INSTRUMENTAL MINOR

This curriculum will include the following:

Applied music and voice and/or piano with no less than 14 semester hours of credit.

Minor applied music classes with no less than 4 semester hours of credit which must include Music 185 or Music 187.

Music 200 with no less than 7 semester hours of credit in choral groups and 1 hour in Marching Band.

Vocal emphasis in student teaching.

### 2. INSTRUMENTAL MAJOR WITH VOCAL MINOR

This curriculum will include the following:

Applied music with no less than 14 semester hours of credit in an instrument approved by the instructor upon proof of a required degree of proficiency for major study and 4 hours of credit in piano or to grade four, whichever is reached first.

Students in this curriculum who major in piano will take not less than 4 semester hours of credit in private study on another instrument approved by the instructor.

Minor applied music classes with no less than 6 semester hours of credit which must include Music 171 and Music 185 or 187.

Students who major in this curriculum are not required to take Music 352.

Music 200 for wind and percussion players with no less than 7 semester hours of credit in band and one in a choral group. Music 200 for string players with no less than 7 semester hours of credit in orchestra and 1 hour in a choral group.

Instrumental emphasis in student teaching.

It is expected that qualified wind and percussion players will elect some orchestral experience.

### 3. VOCAL MAJOR WITH ACADEMIC MINOR

This curriculum will provide for the substitution of academic subjects for the following music courses:

Music 200, 1 hour (for Marching Band); Music 315, 2 hours; Music 357, 2 hours.

No minor applied music classes will be required in this curriculum. Student teaching experiences will include vocal and academic subjects.

### 4. INSTRUMENTAL MAJOR WITH ACADEMIC MINOR

This curriculum will provide for the substitution of academic subjects for the following music courses:

Music 200, 1 hour (for choral group); Music 203, 2 hours; Music 301, 1 hour. Applied music (voice) 1 hour.

Student teaching experiences will include instrumental and academic subjects.

*Double Major.* Students interested in a double major (vocal and instrumental) should consult with the department chairman for information concerning the requirements. Such a program will ordinarily require a time expenditure of more than *nine* semesters.

## SPEECH CURRICULUM

### FIRST YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Biology 101	4	Biology 102	4
English 101	3	English 102	3
Speech 102	3	Psychology 101	3
Speech 141	3	Speech 112	1
Minor or elective	2	Minor or elective	4
Health-Physical Ed. 101	1	Health-Physical Ed. 102	1
	<hr/>		<hr/>
	16		16

### SECOND YEAR

<i>First Semester</i>		<i>Second Semester</i>	
English 201	3	Speech 202	3
Psychology 104	3	Speech 223	3
Speech 203	3	Speech 243	3
Speech 241	3	Speech 261	3
Minor or elective	3	Social studies elective	3
Health-Physical Ed. 201	1	Health-Physical Ed. 202	1
	<hr/>		<hr/>
	16		16

### THIRD YEAR

<i>First Semester</i>		<i>Second Semester</i>	
Social studies elective	3	Social studies elective	3
Speech 226	3	Speech 315	2
Speech 303	3	Speech 342	3
Speech 312	1	Minor or electives	8
Speech 341	3		<hr/>
Methods in major or minor	3		16
	<hr/>		<hr/>
	16		

### FOURTH YEAR

Semester of professional concentration, including student teaching	15
Minor or electives	12
Social studies elective	3

**GEOLOGY.** Major (B.S.): *First year*, Geology 101, 102. *Second year*, Geology 204, 209. *Third year*, Geology 311, 316. *Fourth year*, electives in geology. Geology 493 (or the equivalent in field work) is also required. A student majoring in geology for the B.S. degree is required to complete Chemistry 101, 102; Engineering Drawing 101 or Geography 311; Mathematics 100 or 101, and 103; 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 student may omit the following from the requirements above: Geology 311, 316; Chemistry 101, 102; and biology. This student would then take mathematics through the calculus; Physics 201, 202; Physics 303, 307, 308 and Geology 414.

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

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

Minor: Geology 101, 102 and electives in geology.

**GERMAN.** For the student who begins German in college. Minor: *First year*, German 101, 102. *Second year*, German 201, 202 or 203. *Third year*, German 301, 302.

For the student with two years of high school preparation in German. Minor: *First year*, German 201, 202 or 203. *Second year*, 301, 302. *Third year*, at least 6 semester hours chosen from the remaining courses in German.

**HEALTH AND PHYSICAL EDUCATION.** Minor—Recreation: *First year*, Health and Physical Education 103, 104; 105, 106 (men); 107, 108 (women). *Second year*, Health and Physical Education 204; 229, 230, 231, 232 (men); 209, 210 (women). *Third year*, Health and Physical Education 123, 301, 311, 313; elective in health and physical education.

A student taking the recreation minor should include the following courses among his electives: Art 343, Music 211, Speech 146. Health and Physical Education 322 also is recommended.

**HISTORY.** Major or Minor: *First year*, History 151, 152. *Second year*, History 205, 206. *Third and fourth years*, electives in history chosen in consultation with adviser. Three semester hours must be chosen in American history and 3 semester hours in European history.

**HOME ECONOMICS.** Major—General: *First year*, Home Economics 124 or 101, 102; 103. *Second year*, Home Economics 105, 201, 202. *Third year*, Home Economics 303, 305. *Fourth year*, Home Economics 311. Sufficient electives in home economics to total 32 semester hours.

Major—Clothing: *First year*, Home Economics 101, 102, 103, 104. *Second year*, Home Economics 125 or 201, 202; 203, 204. *Third year*, Home Economics 303, 304. *Fourth year*, Home Economics 310. Sufficient electives in home economics to total 32 semester hours.

Major—Foods: *First year*, Home Economics 103, 124. *Second year*, Home Economics 201, 202. *Third year*, Home Economics 307, 308. *Fourth year*, suf-

ficient electives in home economics to total 32 semester hours. Biology 101, 206; Chemistry 101, 102 or 111, 112; Chemistry 203, 205, or equivalent, are required courses.

Minor—General: *First year*, Home Economics 103, 124. *Second year*, Home Economics 105, 125. *Third year*, Home Economics 303, 305. *Fourth year*, Home Economics 321.

A student interested in merchandising of clothing, textiles, and house furnishings should take a major in clothing. The following additional courses are recommended: Accounting 121; Art 101, 345; Business Administration 102, 303; Economics 201, 202; Engineering Drawing 303; Marketing 330, 431, 433; Psychology 101; Sociology 201; Speech 102.

A student especially interested in interior decoration should take a major in clothing. The following additional courses should be included: Art 101, 111, 345; Home Economics 305; Engineering Drawing 303. As many electives as possible should be chosen from the field of business administration.

A student interested in becoming a professional costume designer should take a major in clothing. Art 101, 111, 205, 345 should be included.

A student interested in journalism in the field of home economics should take the general major in home economics and a minor in journalism.

**JOURNALISM.** Major: *First year*, Journalism 103; a student majoring in journalism should complete Business Education 111 in the first year unless he has had typewriting in high school, or passes a proficiency test. *Second year*, Journalism 211, 212. *Third and fourth years*, Journalism 301, 302, 310, 315, 325, 401, 412; electives in journalism.

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

**LATIN.** For the student with two years of high school preparation in Latin. Minor: *First year*, Latin 101, 102. *Second year*, Latin 201, 202. *Third and fourth years*, 6 semester hours from remaining courses in Latin.

For the student with four years of high school preparation in Latin. Minor: *First year*, Latin 201, 202. *Second, third, and fourth years*, 14 semester hours from remaining courses in Latin.

**LIBRARY SCIENCE.** Minor: *Second year*, Library Science 201, 202. *Third and fourth years*, Library Science 303, 304, 403, 404, 490. 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: *First year*, Mathematics 101, 102, 104, 103 or 105, or equivalent. *Second year*, Mathematics 201, 202. *Third and fourth years*, electives in Mathematics.

Minor: *First year*, Mathematics 101, 102, 104, 103 or 105, or equivalent. *Second year*, Mathematics 201, 202.

**MUSIC.** Major—Music Theory: *First year*, Music 101, 102, 103, 104, and applied music in piano. *Second year*, Music 107, 108, 205, 206, and applied music in piano. *Third year*, Music 301, 303, 304, 305, 306, and applied music in piano. *Fourth year*, Music 315, 318, and applied music in piano.

It will usually require 8 semester 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 chairman of the department.

Major—Applied Music: *First year*, Music 101, 102, 103, 104, and applied music in chosen instrument or voice. *Second year*, Music 107, 108, 205, 206, and applied music. *Third year*, Music 301, 303, 304, 305, 306, and applied music. *Fourth year*, Music 318, and applied music.

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

Minor: *First year*, Music 101, 102, 103, 104, and applied music. *Second year*, Music 107, 108, 205, 206, and applied music. *Third year*, Music 303, 304, 305, 306, and applied music. *Fourth year*, electives in music and applied music.

A student minoring in music must take a minimum of 8 semester hours in applied music. It is expected that all or most of this minimum requirement will be in piano.

**PHILOSOPHY.** Major: *Second year*, Philosophy 201, 202 or 204. *Third year*, Philosophy 321, 322; electives in philosophy. *Fourth year*, electives in philosophy.

Minor: *Second year*, Philosophy 201. *Third and fourth years*, Philosophy 321, 322; electives in philosophy.

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

Minor: *Second year*, Physics 201, 202. *Third and fourth years*, 12 semester hours from 300- or 400-level courses in physics.

A student majoring or minoring in physics must take Chemistry 101, 102; Engineering Drawing 101; and Mathematics 101, 102, 104, 103 or 105 in the first year, and Mathematics 201, 202 in the second year. Students entering with high school credit in mechanical drawing are not required to take Engineering Drawing 101.

**POLITICAL SCIENCE.** Major or Minor: *Second year*, Political Science 201, 202. *Third and fourth years*, electives in political science.

**PSYCHOLOGY.** Major: *First year*, Psychology 101. *Second year*, any two of the following: Psychology 210, 211, 212, 213; electives in psychology. *Third year*, remaining two of the following: Psychology 210, 211, 212, 213; electives in psychology. *Fourth year*, electives in psychology.

Minor: *First year*, Psychology 101. *Second, third, and fourth years*, electives in psychology.

Electives should be selected with the advice of the advisers in the department and in accordance with the student's background and objective. Majors must demonstrate proficiency in elementary statistics. This may be accomplished by passing a proficiency examination after the completion of Psychology 210, 211, 212, 213, or by electing Psychology 388. Biology 101, 102 should be completed in the first year.

**SOCIOLOGY.** Major or Minor: *Second year*, Sociology 201, 206. *Third year*, Sociology 301, 303; electives in sociology. *Fourth year*, electives in sociology.

A student majoring or minoring in sociology is required to complete Psychology 101, 104 in the first or second year. Electives are to be chosen upon the advice of the department chairman. In special cases where the needs of the student require, limited substitutions of courses in related social science departments may be permitted in the major requirements.

**SPANISH.** For the student who begins Spanish in college. Major: *First year*, Spanish 101, 102. *Second year*, Spanish 201, 202. *Third and fourth years*, Spanish 301, 302 or Spanish 303, 304 and 10 semester hours from remaining courses in Spanish.

Minor: *First year*, Spanish 101, 102. *Second year*, Spanish 201, 202. *Third and fourth years*, Spanish 301, 302 or Spanish 303, 304.

For the student with two years of high school preparation in Spanish. Major: *First year*, Spanish 201, 202. *Second year*, Spanish 301, 302 or Spanish 303, 304. *Third and fourth years*, at least 18 semester hours from remaining courses in Spanish.

Minor: *First year*, Spanish 201, 202. *Second year*, Spanish 301, 302 or Spanish 303, 304. *Third and fourth years*, 6 semester hours from remaining courses in Spanish.

**SPEECH.** Core curriculum for a speech major with a concentration in public address, radio, or theatre: *First year*, Speech 102, 141. *Second year*, Speech 202, 203, 223, 261. *Third year*, Speech 315.

A student in public address is also required to take Speech 112, 212, 214, 226, 303, 312, 401 or 402. Recommended courses: Economics 201; English 201, 202, 303, 304; History 205, 206; Political Science 201, 202; Psychology 101, 212; Philosophy 201, 301; Sociology 201, 202.

A student in radio is also required to take Speech 168, 226, 241, 341, 362, 368. Recommended courses: Business Administration 102, 350; English 201, 202, 307, 308; Journalism 103, 330; Music 317; Physics 350; Psychology 101, 212.

A student in theatre is also required to take Speech 146, 241, 243, 341, 342, 346. Recommended courses: Art 345; Engineering Drawing 101; English 201, 202, 301, 302, 313, 413, 414; Home Economics 310; Music 317; Health and Physical Education 309; Physics 350.

Major—Speech and Hearing Therapy: *First year*, Speech 102. *Second year*, Speech 203, 223, 226 and either 202 or 261. *Third year*, Speech 315, 323, 325, 331, 332. *Fourth year*, Speech 324, 424, 426. Recommended courses: Speech 425, 435.

Minor—General: *First year*, Speech 102, 141. *Second year*, Speech 202, 203. *Third year*, Speech 223, 261. *Fourth year*, electives in Speech.

Minor—Speech and Hearing Therapy: *First year*, Speech 102. *Second year*, Speech 203, 223, 226. *Third year*, Speech 315, 325, 331, 332. *Fourth year*, Speech 323.

A student taking a major or minor in speech and hearing therapy must take Psychology 101, 104 in the first or second year.



*Homecoming Committee.* Glenn I. Van Wormer, chairman; F. E. Beatty, William Brannan, Jean Goldinger, Richard Kamieniecki, Mary Ann Majewski, Lewis Manhart, Doyt Perry, Mary Spooner, Warren Steller, Nancy Watkins, William McK. Wright.

*Honorary Degrees.* Robert Twyman, chairman; Ralph G. Harshman, K. H. McFall, F. J. Prout, C. Glenn Swanson, Florence Williamson.

*Honors and Awards Committee.* E. E. Dickerman, chairman; Mabel Drennan, Lyle Gainsley, Elinor Trumbore, John Wenrick, William McK. Wright.

*Intramural Sports Committee.* Russell Coffey, chairman; Robert Bone, Samuel M. Cooper, Nancy Ford, Dorothy Luedtke, David Matthews, Arthur Sykes.

*Library Committee.* Paul F. Leedy, chairman; Marlene Bergman, Gilbert Cooke, Averill J. Hammer, Linda Kithcart, Charles Young.

*Music Activities Committee.* Emerson C. Shuck, chairman; Denis Baum, Charlotte Bleisch, Jane Haley, Howard Kane, Dorothy McCuskey, Merrill C. McEwen, Mary Whitney.

*Religious Activities Committee.* Stuart R. Givens, chairman; Daniel Crowley, Anthony D'Erme, Corwin Hutchison, Melvin Hyman, Robert McKay, Jeff Osoff.

*Scholarly Advancement Committee.* Robert Guion, chairman; Howard O. Brogan, John R. Davidson, Martha Gesling Weber, Norbert O'Donnell, Harold Tinappel.

*Social Committee.* William McK. Wright, chairman; Mary Jo Aufderheide, James R. Bashore, Marcia Conner, Jean Goldinger, Rex McGraw, James Schomacker, Amy Torgerson, Raymond Whittaker, Eloise Whitwer, Phyllis Wilkie, Sharon Wills.

*Speech Activities Committee.* Donald Kleckner, chairman; Richard Carpenter, Robert Henderson, Lanny Miles, Virginia Myers, Robert Rask, Roland Williams.

*Student Activity Appropriations Committee.* W. F. Schmeltz, chairman; Donald Bowman, John Coash, Douglas Eggleston, Harry Levy, Ruth Malik, William McK. Wright.

*Student Financial Aid Committee.* Elden T. Smith, chairman; Robert E. McKay, secretary; Philip Byers.

#### FINANCIAL AID SUBCOMMITTEES

*Subcommittee on Scholarships.* David M. Krabill, chairman; William Goldner, Emma Whiteford.

*Subcommittee on Grants-in-Aid.* Ralph G. Harshman, chairman; Bruce Bellard, Willard F. Wankelman.

*Subcommittee on Student Loans.* E. C. Ringer, chairman; Frederick Giles, Raymond Whittaker.

## THE FACULTY

RALPH W. McDONALD, 1951†. A.B., Hendrix College; M.A., Ph.D., Duke University; LL.D., Hendrix College.

*President*

LLOYD A. HELMS, 1938. B.A., DePauw University; M.A., Ph.D., University of Illinois. *Professor of Economics; Dean, Graduate School; Secretary of the Faculty*

## EMERITUS FACULTY

FRANK J. PROUT, 1939. B.Litt., Ohio Wesleyan University; Ped.D., Ohio University, Ohio Wesleyan University; LL.D., Miami University.

*President Emeritus*

REA MCGAIN, 1914. B.A., National Normal University; B.A., Antioch College; M.A., Columbia University; Ph.D., New York University.

*Professor Emeritus of English*

CAROLINE NIELSEN, 1918. B.A., M.A., University of Nebraska.

*Professor Emeritus of Foreign Language*

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*

CLAUDE D. PERRY, 1923. B.A., Ohio Wesleyan University.

*Registrar Emeritus*

WALTER A. ZAUGG, 1923. B.A., Valparaiso University; B.A., Indiana University; M.A., Columbia University; Ph.D., New York University.

*Professor Emeritus of Education*

## ACTIVE FACULTY

WILBUR J. ABELL, 1947. B.S., James Millikin University; M.S., University of Illinois; Chartered Life Underwriter.

*Associate Professor of Business Administration*

GERALD ACKER, 1946. A.B., Allegheny College; M.S., University of Oklahoma.

*Assistant Professor of Biology*

LOUIS ACUFF, 1956. A.B., Indiana University; M.A., Ph.D., University of Tennessee.

*Assistant Professor of Business Administration*

WILLIAM DON ALEXANDER, 1946. B.S.M., Mount Union College; M.S., North Texas State Teachers College.

*Assistant 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*

†Date after each name indicates first full-time appointment.

- HAROLD ANDERSON, 1942. B.A., Otterbein College; M.A., University of Michigan.  
*Associate Professor of Health and Physical Education; Director of Athletics;  
Head Basketball Coach*
- IRIS E. ANDREWS, 1945. B.S., Battle Creek College; M.A., University of Michigan.  
*Assistant Professor of Health and Physical Education*
- FRANK C. ARNOLD, 1948. B.S., M.A., Ohio State University; Ph.D., Syracuse University.  
*Associate Professor of Psychology; Coordinator of Counseling Services*
- ROBERT T. AUSTIN\*, 1946. B.Ed., University of Toledo; M.Ed., Bowling Green State University.  
*Instructor in Industrial Arts*
- FLORENCE E. BAIRD, 1925. B.A., M.A., Ohio State University.  
*Associate Professor of Foreign Language*
- JOSEPH K. BALOGH, 1949. B.S. in Education, Pennsylvania State Teachers College, California; M.Litt., Ph.D., University of Pittsburgh.  
*Associate Professor of Sociology*
- CHARLES ALDEN BARRELL, 1940. B.A., Hampden-Sydney College; M.A., University of Virginia; Ph.D., Ohio State University.  
*Professor of Political Science; Chairman, Department of Political Science*
- JAMES ROBERT BASHORE, JR., 1948. B.S., University of Wisconsin; M.A., Bowling Green State University.  
*Instructor in English*
- EUGENE M. BATZA, 1954. B.A., College of Wooster; M.A., Ph.D., Northwestern University.  
*Assistant Professor of Speech*
- ANTHONY B. BAYNARD, 1946. B.A., University of Scranton; M.A., Columbia University.  
*Assistant Professor of Foreign Language*
- F. EUGENE BEATTY, 1941. B.S. in Business Administration, M.A., Bowling Green State University  
*Assistant Professor; Capital Improvements Officer*
- GORDON E. BECK, 1956. B.A., Bowling Green State University; M.A., Western Reserve University.  
*Instructor in Speech*
- RALPH L. BECK, 1949. B.S., Indiana State Teachers College; M.S., Indiana University; Ed.D., New York University.  
*Professor of Education*
- BRUCE BELLARD, 1949. B.S. in Education, M.Ed., Bowling Green State University.  
*Instructor in Health and Physical Education; Assistant Football Coach;  
Head Wrestling Coach*
- SEYMOUR L. BENSTOCK, 1954. B.M., M.M., Hartt College of Music; Diploma, Royal Scottish Academy of Music, Glasgow, Scotland.  
*Instructor in Music; Director, University Symphony Orchestra*

\*On leave of absence.

- STEWART BERRY, 1956. B.S., M.A., University of Alabama; Ed.D., University of Cincinnati.  
*Assistant Professor of Industrial Arts*
- LAWRENCE BLISS, 1956. B.S., M.A., Kent State University; Ph.D., Duke University.  
*Instructor in Biology*
- EDWIN C. BOMELI, 1956. B.S. in Business Administration, Ohio State University; M.A., Butler University; Certified Public Accountant (Indiana).  
*Associate Professor of Accounting*
- IRVING M. BONAWITZ, 1955. B.S. in Business Administration, Bowling Green State University; M.B.A., Northwestern University; Certified Public Accountant (Ohio, Illinois and District of Columbia).  
*Instructor in Accounting*
- ROBERT O. BONE, 1948. B.S. in Education, University of Illinois; M.A., Columbia University.  
*Assistant Professor of Art*
- DONALD W. BOWMAN, 1943. B.A., Mount Union College; M.A., Ph.D., Ohio State University.  
*Professor of Physics*
- HOWARD O. BROGAN, 1953. B.A., Grinnell College; M.A., State University of Iowa; Ph.D., Yale University.  
*Professor of English; Chairman, Department of English*
- JOSEPH C. BUFORD, 1948. B.Ed., M.S. in Education, Illinois State Normal University.  
*Assistant Professor of Geography*
- JOHN W. BUNN, 1939. B.A., DePauw University; M.A., Columbia University.  
*Associate Professor; Director of Residential and Plant Operations*
- PHILIP P. BYERS, 1956. B.A., Baldwin-Wallace College; B.D., M.A., Drew University.  
*Instructor; Admissions Officer*
- RICHARD C. CARPENTER, 1953. B.A., Tufts College; M.A., Ph.D., Boston University.  
*Assistant Professor of English*
- ROBERT L. CHAMBERLAIN, 1956. B.A., Drew University; M.A., Ph.D., Syracuse University.  
*Instructor in English*
- EDWARD SCOTT CLAFLIN, 1947. B.A., Oberlin College; M.A., Ph.D., Yale University.  
*Associate Professor of Political Science*
- JOHN R. COASH, 1949. B.A., Colorado College; M.A., University of Colorado; Ph.D., Yale University.  
*Associate Professor of Geology; Chairman, Department of Geology*
- J. RUSSELL COFFEY, 1948. B.A., M.A., Ohio State University; Ed.D., New York University.  
*Professor of Health and Physical Education*
- JACOB COHEN, 1950. B.A., University of Manitoba; M.A., University of Cincinnati; Ph.D., University of Chicago.  
*Associate Professor of Economics*

- WINIFRED JENSEN CONAWAY, 1953. B.S., M.A., University of Minnesota; Ed.D., Columbia University.  
*Assistant Professor of Education*
- ARCH B. CONRLIN, 1939. B.S., College of Wooster; M.A., Columbia University.  
*Associate Professor; Dean of Men; Dean Emeritus of Students*
- 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; Head Swimming Coach*
- WAYNE F. CORNELL, 1943. B.S. in Education, Bowling Green State University; M.A., Ohio State University.  
*Associate Professor of Mathematics*
- GEORGE J. COWELL, 1953. B.S.E.E., M.A., Syracuse University.  
*Assistant Professor of Engineering Drawing*
- FORREST CREASON, 1951. B.A., Findlay College; M.S. in Education, Bowling Green State University.  
*Assistant Professor of Health and Physical Education; Golf Coach*
- DANIEL J. CROWLEY, 1919. B.S., Columbia University; M.Ph., University of Wisconsin.  
*Professor of Graphic Arts*
- JESSE J. CURRIER, 1940. B.A., Ohio Wesleyan University; M.A., Ohio State University.  
*Professor of Journalism; Chairman, Department of Journalism*
- EDGAR F. DANIELS, 1953. B.A., Otterbein College; M.A., Ph.D., Stanford University.  
*Instructor in English*
- HARRIET DANIELS, 1953. B.A., Wittenberg College; M.A., Northwestern University.  
*Instructor; Head Resident, Lowry Hall.*
- JOHN W. DARR\*, 1953. B.S., M.B.A., Indiana University.  
*Assistant Professor of Business Administration*
- JOHN R. DAVIDSON, 1946. B.S. in Education, Bowling Green State University; M.S., New York University.  
*Assistant Professor of Business Administration; Assistant to Dean, College of Business Administration*
- RUSSELL DECKER, 1952. B.A., State University of Iowa; J.D., Drake University.  
*Assistant Professor of Business Administration*
- MIRIAM SHARP DELARGEY, 1952. B.A., Flora Stone Mather College; M.S. in Library Science, Western Reserve University.  
*Instructor in Library Science; Librarian*
- RAYMOND W. DERR, 1952. B.S. in Education, Kansas State Teachers College, Pittsburg; M.A., University of Kansas; Ph.D., University of Missouri.  
*Associate Professor of Journalism*

\*On leave of absence.

- E. EUGENE DICKERMAN, 1936. B.A., Grand Island College; M.A., Ph.D., Northwestern University.  
*Professor of Biology*
- MABEL E. DRENNAN, 1946. B.A., M.A., Ohio Wesleyan University.  
*Associate Professor of Foreign Language*
- ROBERT E. DUDLEY, 1955. B.S. in Education, Ohio State University.  
*Assistant Instructor in Health and Physical Education; Assistant Football Coach*
- GRACE DURRIN, 1925. B.A., Hope College; M.A., University of Michigan.  
*Associate Professor of English*
- RICHARD ECKER, 1948. B.S. in Education, M.A., Ohio State University; Ed.D., Arizona State College.  
*Assistant Professor of Music*
- CATHERINE ELLIS, 1948. B.S. in Education, Ohio Northern University; B.S. in Library Science, Western Reserve University.  
*Instructor; Librarian*
- GERTRUDE EPPLER, 1941. B.S., Michigan State Normal College; M.S., University of Michigan.  
*Associate Professor of Health and Physical Education*
- JOHN V. FALCONIERI, 1952. B.A., M.A., Ph.D., University of Michigan.  
*Assistant Professor of Foreign Language*
- LEON E. FAULEY, 1930. B.A., Wichita University; B.M., University of Kansas; M.A., Columbia University.  
*Associate Professor of Music*
- EDWARD F. FERRELL, 1955. B.S., Western Kentucky State College; M.S., Ph.D., Vanderbilt University.  
*Instructor in Chemistry*
- ALPHORETTA FISH, 1956. B.S. in Ed., State Teachers College, Edinboro, Pa.; M.S., Western Michigan College, Kalamazoo  
*Instructor in Education (Sandusky Branch)*
- LYLE REXFORD FLETCHER, 1946. B.A., Ohio University; M.A., Ohio State University.  
*Assistant Professor of Geography*
- GILES R. FLOYD, 1948. B.A., Wofford College; M.A., Vanderbilt University; Ph.D., State University of Iowa.  
*Associate Professor of English*
- RALPH W. FRANK, 1956. B.S., M.A., Kent State University; Ph.D., Northwestern University.  
*Assistant Professor of Geography*
- WALTER FREAUFF, 1955. B.A., M.A., University of Oregon.  
*Instructor; Head Resident, Rodgers Quadrangle*
- CECIL M. FREEBURNE, 1948. B.S. in Education, Kansas State Teachers College, Emporia; M.A., Ph.D., State University of Iowa.  
*Associate Professor of Psychology*

- DALE E. FUTHEY, 1956. B.S., M.B.A., Ohio State University.  
*Instructor in Business Administration*
- LYLE C. GAINESLEY, 1952. B.S. in Ed., M.S., Bowling Green State University.  
*Instructor; Assistant Registrar*
- JOHN E. GEE, 1946. B.A., Tusculum College; M.Ed., Ed.D., University of Pittsburgh.  
*Professor of Education; Dean, College of Education; Director, Summer School*
- RALPH H. GEER, 1948. B.A., Defiance College; M.A., Ohio State University; Ed.D., Western Reserve University.  
*Associate Professor of Education; Assistant Dean, College of Education; Director, Off-Campus Programs*
- ROBERT M. GIBSON, 1956. B.S. in Education, Youngstown College.  
*Assistant Instructor in Health and Physical Education; Assistant Football Coach*
- FREDERICK H. GILES, JR., 1954. B.S., Wheaton College; M.S., Ph.D., University of Illinois.  
*Instructor in Physics*
- STUART R. GIVENS, 1952. B.A., George Washington University; M.A., Ph.D., Stanford University.  
*Assistant Professor of History*
- MORRIS GOLDEN, 1956. A.B., City College of New York; A.M., Ph.D. New York University.  
*Instructor in English*
- WILLIAM GOLDNER, 1954. B.A., Stanford University; Ph.D., University of California.  
*Assistant Professor of Business Administration*
- MARIAN E. GRAY, 1956. A.B., University of Michigan; M.L.S., University of Wisconsin.  
*Instructor; Reference Librarian*
- JOHN T. GREENE, 1955. B.A., Wayne University; M.A., University of Oregon; Ph.D., University of Illinois.  
*Instructor in Psychology*
- ALICE GREINER, 1949. B.S. in Education, University of Cincinnati; M.S. in Education, Bowling Green State University.  
*Assistant Professor of Speech*
- ANNA N. GRYTING, 1927. B.S., University of Minnesota; M.A., Columbia University.  
*Assistant Professor of Mathematics*
- ROBERT M. GUION, 1952. B.A., University of Iowa; M.S., Ph.D., Purdue University.  
*Assistant Professor of Psychology*
- BERNARD H. GUNDLACH, 1956. B.S. in M.E., Polytechnic Institute, Hanover, Germany; Ph.D., University of Hamburg, Germany.  
*Assistant Professor of Mathematics*
- WILLIAM L. GUNLOCK, 1955. B.S. in Education, Miami University.  
*Assistant Instructor in Health and Physical Education; Assistant Football Coach*

- MEARL R. GUTHRIE, JR., 1954. B.S., M.A., Ball State Teachers College; Ph.D., University of Minnesota.  
*Assistant Professor of Business Education*
- 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.  
*Assistant Professor of Biology*
- ERNEST S. HAMILTON, 1956. B.S., University of Massachusetts; M.S., Ph.D., Rutgers University.  
*Instructor in Biology*
- AVERILL J. HAMMER, 1946. B.S., Parsons College; M.S., Ph.D., Iowa State College of Agriculture and Mechanic Arts.  
*Professor of Chemistry*
- HAROLD T. HAMRE\*, 1946. B.S., M.S., University of Wisconsin.  
*Assistant Professor of Biology*
- RALPH G. HARSHMAN, 1936. B.S. in Education, Ohio Northern University; M.A., Ph.D., Ohio State University.  
*Professor of Business Administration; Vice President*
- DALE HAVEN, 1948. B.S. in Education; M.A., Ohio State University.  
*Associate Professor of Music*
- HELEN W. HENDERSON, 1925. B.Ph., University of Chicago; M.A., Columbia University.  
*Associate Professor of Home Economics*
- ROBERT D. HENDERSON, 1954. B.B.A., Westminster College; M.B.A., Ohio State University; Ph.D., University of Pittsburgh.  
*Associate Professor of Business Administration; Chairman, Department of Business Administration*
- JOHN H. HEPLER, 1949. B.A., M.A., Ohio Wesleyan University.  
*Instructor in Speech*
- DALE HERBERT, 1952. B.S., M.Ed., Bowling Green State University.  
*Instructor in Health and Physical Education; Assistant Basketball Coach; Athletic Equipment Manager*
- LAURA E. HESTON, 1918. B.S., Ohio State University; M.S., University of Chicago.  
*Professor of Home Economics*
- J. LEVAN HILL, 1948. B.S. in Education, Pennsylvania State Teachers College, California; M.Ed., Ed.D., Pennsylvania State University.  
*Professor of Industrial Arts; Chairman, Department of Industrial Arts and Engineering Drawing*
- JOSEPH E. HIMMEL, 1947. B.A., North Central College; M.M., Northwestern University; Study at the State Conservatory of Music, Munich, Germany, and University of Montreal, Canada; Student of Alexander Kipnis and Gerhard Huesch.  
*Associate Professor of Music*

\*On leave of absence.

- CECIL N. HINMAN, 1956. A.B., Wooster College; M.B.A., Harvard University; Certified Public Accountant (Ohio).  
*Lecturer in Accounting*
- CLYDE HISSONG, 1923. B.S. in Education, Miami University; M.A., Columbia University; Ph.D., Ohio State University; LL.D., Miami University.  
*Professor of Education*
- WALTER R. HOBBS, JR., 1956. B.S., M.A., Ohio State University.  
*Instructor in Education*
- AGNES MARIE HOOLEY, 1954. B.S., Arnold College, Bridgeport University; M.A., Teachers College, Columbia University; Ph.D., University of Wisconsin.  
*Assistant Professor of Health and Physical Education*
- LOYAL E. HORTON, 1952. B.S., Michigan State University; M.S., Pennsylvania State University.  
*Assistant Professor of Home Economics; Supervisor of Food Services*
- ROBERT ROGERS HUBACH, 1947. B.A., University of Kansas City; M.A., University of Colorado; Ph.D., Indiana University.  
*Associate Professor of English*
- HOWARD B. HUFFMAN, 1948. B.S. in Education, Wilmington College; M.B.A., University of Denver.  
*Assistant Professor of Business Administration*
- WAYNE S. HUFFMAN, 1938. B.A., Findlay College; M.A., University of Michigan.  
*Associate Professor of History*
- PEGGY HURST, 1955. A.B., Wilson College; M.A., Ph.D., University of Wisconsin.  
*Instructor in Chemistry*
- MELVIN HYMAN, 1952. B.A., Brooklyn College; M.A., Ph.D., Ohio State University.  
*Assistant Professor of Speech; Director, Speech and Hearing Clinic*
- MYRTLE JENSEN, 1938. B.M., St. Olaf College; B.M., American Conservatory of Music; M.M., Eastman School of Music of the University of Rochester.  
*Associate Professor of Music*
- OLDRICH JICHA, 1949. B.A., Western Reserve University; M.B.A., Harvard University.  
*Assistant Professor of Business Administration*
- MADGE E. JOHNSON, 1937. B.S., University of Arkansas; M.A., Columbia University.  
*Associate Professor of Home Economics*
- WILLIAM C. JORDAN, 1925. B.S. in Education, M.A., Ohio State University.  
*Associate Professor of Education*
- HOWARD H. KANE, 1946. B.S. in Business Administration, University of Dayton; B.S. in Education, M.A., Ohio State University.  
*Associate Professor of Accounting*
- PAUL B. KANOWSKI, 1956. B.S., M.S., University of North Dakota; Ph.D., University of Michigan.  
*Instructor in Biology*
- LOWRY B. KARNES, 1945. B.A., Muskingum College; M.A., Ph.D., Ohio State University.  
*Professor of Geography; Chairman, Department of Geography*

- ROBERT J. KEEFE, 1955. B.A., Brooklyn College; M.A., Ed.D., Columbia University.  
*Assistant Professor of Health and Physical Education; Tennis Coach*
- JAMES PAUL KENNEDY, 1936. B.A., William Penn College; B.M. Ed., M.M., Northwestern University; Ph.D., State University of Iowa; Study at the Matthay Piano-forte School, London, England.  
*Professor of Music; Director of Choral Groups*
- RUTH KILMER, 1947. B.S. in Education, Duquesne University; B.S. in Library Science, Western Reserve University.  
*Instructor; Librarian*
- RUBY L. KING, 1928. B.A., Hillsdale College; B.A. in Library Science, University of Michigan.  
*Assistant Professor; Librarian*
- DONALD C. KLECKNER, 1952. B.A., Heidelberg College; M.A., Ph.D., University of Michigan.  
*Associate Professor of Speech; Chairman, Department of Speech*
- JAMES KNIERIM, 1956. A.B., Bowling Green State University.  
*Assistant Instructor in Health and Physical Education; Freshman Basketball Coach; Freshman Baseball Coach*
- DAVID M. KRABILL, 1946. B.A., College of Wooster; M.A., Ph.D., Ohio State University.  
*Professor of Mathematics*
- ERVIN J. KREISCHER, 1937. B.S. in Education, Bowling Green State University.  
*Professor; Business Manager*
- CHARLES J. LAKOFSKY, 1948. Diploma, Cleveland Institute of Art; B.F.A., The New York State College of Ceramics, Alfred University; M.A., Ohio State University.  
*Associate Professor of Art*
- HELEN DEJAGER LAKOFSKY,\* 1952. B.M., M.M., Artist's Diploma, Eastman School of Music of the University of Rochester.  
*Instructor in Music*
- DANIEL J. LEARY, 1956. A.B., M.A., Canisius College.  
*Instructor in English*
- PAUL F. LEEDY, 1938. B.A., B.A. in Library Science, M.A., Ph.D., University of Michigan.  
*Professor of English; Chairman, Department of Library Science; Director of University Library*
- LOWELL P. LELAND, 1946. B.A., Colby College; M.A., University of Maine; Ph.D., Ohio State University.  
*Associate Professor of English*
- LLOYD J. LIETZ, 1955. B.M., Oberlin College Conservatory of Music; Post-graduate Diploma, Juilliard School of Music.  
*Instructor in Music*

\*On leave of absence.

- HERSCHEL LITHERLAND, 1941. B.A., Greenville College; M.A., University of South Dakota; Ph.D., University of Cincinnati.  
*Professor of Education*
- DONALD S. LONGWORTH, 1949. B.S. in Education, M.A., Bowling Green State University; Ph.D., Ohio State University.  
*Associate Professor of Sociology*
- MILFORD S. LOUGHEED, 1955. B.A.Sc. University of British Columbia; M.A., Ph.D., Princeton University.  
*Assistant Professor of Geology*
- SAMUEL HARMAN LOWRIE, 1939. B.A., Rice Institute; M.A., Ph.D., Columbia University.  
*Professor of Sociology*
- DOROTHY M. LUEDTKE, 1950. B.S. in Education, M.S. in Education, Bowling Green State University.  
*Instructor in Health and Physical Education; Director, Intramural Athletics for Women*
- MAURICE I. MANDELL\*, 1953. B.S., New York University; M.B.A., Syracuse University; D.B.A., Indiana University.  
*Associate Professor of Business Administration*
- LEWIS F. MANHART, 1937. B.S. in Education, Bowling Green State University; M.A., Ohio State University.  
*Professor of Business Administration*
- CLARE S. MARTIN, 1923. B.S., M.A., Ph.D., Ohio State University.  
*Professor of Chemistry*
- HARRY R. MATHIAS, 1931. B.A., Indiana Central College; M.A., Indiana University.  
*Associate Professor of Mathematics*
- DAVID MATTHEWS, 1947. B.S., M.S., University of Michigan.  
*Assistant Professor of Health and Physical Education; Cross Country Coach; Director, Intramural Athletics for Men*
- SAMUEL M. MAYFIELD, 1936. B.S., B.A., Berea College; Ph.D., University of Chicago.  
*Professor of Geology*
- ROBERT STANLEY McCORDOCK, 1947. B.A., Syracuse University; M.A., University of Buffalo; Ph.D., Columbia University.  
*Professor of History*
- DOROTHY McCUSKEY, 1953. B.A., College of Wooster; M.A., Radcliffe College; Ph.D., Yale University.  
*Professor of Education; Coordinator, Student Teaching in Bowling Green City Schools*
- MERRILL C. McEWEN, 1921. B.S. in Education, Columbia University; M.A., Ohio State University; Study at the Juilliard School of Music.  
*Professor of Music; Chairman, Department of Music*
- KENNETH H. McFALL, 1943. B.S., Mount Union College; M.A., Ph.D., Western Reserve University.  
*Professor of Psychology; Provost*

\*On leave of absence.

- ROBERT E. MCKAY, 1944. B.A., M.S., Ohio State University.  
*Assistant Professor of Physics; Financial Aid Counselor*
- VIRGINIA MERRELL, 1947. B.A., Bowling Green State University; M.A. in Library Science, University of Michigan.  
*Instructor; Librarian*
- FRANK G. MESERVE, 1945. B.A., University of Nebraska; M.A., Northwestern University; Ph.D., University of Nebraska.  
*Associate Professor of Biology*
- FRANK L. MIESLE, 1948. B.A., M.A., Bowling Green State University; Ph.D., Ohio State University.  
*Assistant Professor of Speech; Director, University Theatre*
- FRANK F. MILES, 1953. B.A., M.S.W., Ph.D., University of Washington.  
*Assistant Professor of Sociology*
- W. L. MILLER, 1955. A.B., Muskingum College; M.A., University of Pittsburgh.  
*Lecturer; Director, Mansfield Branch of College of Education*
- HARVEY D. MINER, 1947. B.S. in Education, Bowling Green State University; M.Ed., Ohio University.  
*Instructor in Industrial Arts*
- OWEN D. MONTGOMERY, 1946. B.S. in Education, Ohio University; M.Ed., University of Pittsburgh.  
*Assistant Professor of Business Education*
- ELMER MORGAN, 1956. B.A., M.A., Kent State University.  
*Intern Instructor in Psychology*
- DOROTHY EVELYN MOULTON, 1946. B.A., Randolph-Macon Woman's College; M.A., University of Pittsburgh.  
*Assistant Professor of English*
- EVERETT C. MYERS, 1947. B.A., Western Reserve University; Ph.D., Johns Hopkins University.  
*Associate Professor of Biology*
- VIRGINIA MYERS, 1946. B.A., College of Wooster; M.A., Radcliffe College; M.Litt., University of Cambridge, England.  
*Assistant Professor of English*
- BERNARD FREDERICK NORDMANN, 1929. B.A., Stanford University; M.A., Ph.D., University of Illinois.  
*Professor of History*
- HAROLD B. OBEE\*, 1946. B.A., Adrian College; M.A., Ohio State University.  
*Assistant Professor of Speech*
- OTTO G. OCVRK, 1950. B.F.A., M.F.A., State University of Iowa.  
*Assistant Professor of Art*
- NORBERT F. O'DONNELL, 1953. B.A., Wittenberg College; M.A., Ph.D., Ohio State University.  
*Assistant Professor of English*

\*On leave of absence.

- 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*
- GEORGE SLINGER, 1956. B.S. in Ed., DePaul University; M.A., University of Michigan; Ed.D., University of Florida.  
*Assistant Professor of Education*
- CHARLES B. SMITH, 1956. B.S., Drake University; M.A., Highlands University.  
*Instructor in Business Education*
- ELDEN T. SMITH, 1940. B.A., Ohio Wesleyan University; M.A., Ph.D., Western Reserve University.  
*Professor of Speech; Director, Student Life and Services*
- GEORGE R. SNYDER, 1949. B.A., Heidelberg College; M.A., Ph.D., Ohio State University.  
*Associate Professor of Education*
- HARRY SPANGLER, 1947. B.S., M.A., Ph.D., University of North Dakota; Artist Diploma, Cincinnati Conservatory of Music.  
*Associate Professor of Music*
- WILLIAM G. SPOHN, JR., 1956. B.A., St. Johns College; M.A., University of California.  
*Instructor in Mathematics*
- MARY L. SPOONER, 1953. B.Ed., University of Toledo; M.A., Columbia University.  
*Instructor in Health and Physical Education*
- HAROLD GLENDON STEELE, 1946. B.A., Northwestern University; M.A., Ohio State University.  
*Assistant Professor of English; Assistant to Dean, College of Liberal Arts*
- ROBERT A. STEFFES\*, 1951. B.S., South Dakota State College; M.S., Syracuse University.  
*Assistant Professor of Journalism*
- WARREN E. STELLER, 1924. B.A., Oberlin College; M.A., Columbia University.  
*Professor of Health and Physical Education; Head Baseball Coach*
- ROBERT E. STINSON, 1949. B.F.A., University of Illinois; M.A., M.F.A., State University of Iowa.  
*Assistant Professor of Art*
- HUBERT P. STONE, 1946. B.A., Ohio Northern University; B.S. in Library Science, Western Reserve University; M.A., Oberlin College.  
*Assistant Professor of Library Science; Librarian*
- SIDNEY C. STONE, 1944. B.A., M.A., Ohio Wesleyan University.  
*Associate Professor of Speech; Director, University Radio Station WBGU*
- GALEN STUTSMAN, 1950. B.S. in Education, M.A., Ph.D., Ohio State University.  
*Associate Professor of Business Education; Chairman, Department of Business Education*

\*On leave of absence.

- BRIAN SUTTON-SMITH, 1956. B.A., M.A., Ph.D., University of New Zealand.  
*Visiting Lecturer in Psychology*
- C. GLENN SWANSON, 1934. B.A., M.A., Colorado State College of Education; Ph.D., New York University.  
*Professor of Sociology; Chairman, Department of Sociology*
- JACQUELINE E. TIMM, 1946. B.A., M.A., Ph.D., University of Texas.  
*Associate Professor of Political Science*
- MAE A. TINDALL, 1944. B.A., Willamette University; M.A., Columbia University.  
*Assistant Professor of Education*
- HAROLD E. TINNAPPEL, 1949. B.S. in Education; M.A., Ph.D., Ohio State University.  
*Associate Professor of Mathematics*
- AMY TORGERSON, 1948. B.S., Central Missouri State College; M.A., New York University.  
*Instructor in Health and Physical Education*
- ROLAND M. TORGERSON, 1947. B.S., M.A., University of Minnesota.  
*Professor of Industrial Arts*
- TOM HOLLINGSWORTH TUTTLE, 1946. B.A., M.A., University of Texas; Ph.D., University of Southern California.  
*Professor of Philosophy; Chairman, Department of Philosophy*
- ROBERT W. TWYMAN, 1948. B.A., Indiana University; M.A., Ph.D., University of Chicago.  
*Associate Professor of History*
- LELAND S. VAN SCOYOC, 1946. B.S., M.S., Kansas State College; D.B.A., Indiana University.  
*Associate Professor of Economics; Chairman, Department of Economics*
- AGNES A. VAN WINKLE, 1953. B.A., Evansville College.  
*Laboratory Instructor in Education*
- HAROLD VAN WINKLE, 1953. B.S., Southeast Missouri State College; M.S., Ed.D., Indiana University.  
*Assistant Professor; Director, University Publications and News Service*
- GLENN I. VAN WORMER, 1947. B.S. in Education, M.Ed., Bowling Green State University.  
*Instructor; Registrar and Director of Admissions*
- JACOB VERDUIN, 1955. B.S., M.S., Ph.D., Iowa State College of Agriculture and Mechanic Arts.  
*Associate Professor of Biology; Chairman, Department of Biology*
- ANTHONY VLAHANTONES, 1954. B.F.A., Wayne State University; M.F.A., Cranbrook Academy of Art.  
*Instructor in Art*
- HARMON VOSKUIL, 1946. B.A., Hope College; M.A., University of Minnesota.  
*Associate Professor of Economics*
- WILLARD F. WANKELMAN, 1946. B.S. in Education, M.A., Ohio State University.  
*Professor of Art; Chairman, Department of Art*

MARY ARMSTRONG WATT, 1954. B.S., Simmons College; M.S., Wellesley College; Ph.D., State University of Iowa.

*Assistant Professor of Health and Physical Education*

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; Director, Education Clinic*

ROY J. WEGER, 1953. B.A., Southeastern State College; M.A., Colorado State College of Education.

*Assistant Professor of Music; Director of Bands*

JOHN EVERETT WENRICK, 1947. B.A., M.A., Ph.D., Ohio State University.

*Professor of Psychology; Chairman, Department of Psychology*

KARL E. WHINNERY, 1953. B.S., Mount Union College; M.A., University of Wisconsin.

*Lecturer in Education; Director, Sandusky Branch*

EMMA WHITEFORD, 1955. B.S., North Dakota Agricultural College; M.S., Ed.D., University of Illinois.

*Associate Professor of Home Economics; Chairman, Department of Home Economics*

MARY ELIZABETH WHITNEY, 1952. B.S., University of Michigan; M.S., New York University.

*Assistant Professor of Health and Physical Education*

RAYMOND WHITTAKER, 1949. B.S., M.A., Bowling Green State University.

*Assistant Professor; Director of Residence Services*

ROBERT H. WHITTAKER, 1941. B.S. in Education, Miami University; M.A., Bowling Green State University.

*Assistant Professor of Health and Physical Education; Track Coach*

E. ELOISE WHITWER, 1946. B.A., Grand Island College; M.A., University of Nebraska.

*Assistant Professor of Biology*

PHILIP R. WIGG, 1948. B.A., Park College; M.F.A., State University of Iowa.

*Assistant Professor of Art*

FRANCIS F. WILCOX, 1949. B.A., M.A., State University of Iowa.

*Instructor in Music*

ALLEN V. WILEY, 1946. B.A., M.A., Lafayette College.

*Assistant Professor of Economics*

PHYLLIS R. WILKIE, 1954. B.A., M.A., Michigan State University.

*Instructor; Head Resident, Alice Prout Residence Hall*

FLORENCE J. WILLIAMSON, 1926. B.A., Cedarville College; M.A., Ph.D., Ohio State University.

*Professor of Education*

E. HARRY WOHLER, 1946. B.A., Wittenberg College; M.A., University of Toledo.

*Assistant Professor of Mathematics*

RALPH H. WOLFE, 1956. B.S., M.A., Bowling Green State University.

*Intern Instructor in English*

JAMES CLYDE WRIGHT, 1947. B.A., Muskingum College; M.A., Ph.D., Ohio State University.

*Associate Professor of Psychology; Director, Psychology Clinic*

WILLIAM MCK. WRIGHT, 1955. B.S., Juniata College; M.A., Ed.D., Columbia University.

*Instructor; Assistant Dean of Men*

RAYMOND YEAGER, 1950. B.S. in Education, M.A., Bowling Green State University; Ph.D., Ohio State University.

*Assistant Professor of Speech; Forensics Coach*

MARGARET YOCOM, 1929. B.A., Oberlin College; B.S. in Library Science, Western Reserve University.

*Associate Professor of Library Science; Librarian*

CHARLES W. YOUNG, 1945. B.A., Ohio Wesleyan University; M.A., Ph.D., Ohio State University.

*Professor of Education; Chairman, Department of Education*

#### FACULTY IN MILITARY SCIENCE AND TACTICS\*

HARRY M. MYERS, 1955. B.S., U.S. Military Academy; Artillery School; Command and General Staff College; Lieutenant Colonel, U.S. Army.

*Professor of Military Science and Tactics; Chairman, Department of Military Science and Tactics*

ROBERT G. MENEFFEE, JR., 1954. B.S. in Business Administration, Miami University; Officer Candidate School; Artillery Officers Advanced Course; Captain, U.S. Army.

*Assistant Professor of Military Science and Tactics*

ROBERT W. SNYDER, 1955. B.S., U.S. Military Academy; Artillery School; Captain, U.S. Army.

*Assistant Professor of Military Science and Tactics*

GEORGE B. BARTEL, 1955. B.S., U.S. Military Academy; Infantry School; First Lieutenant, U.S. Army.

*Assistant Professor of Military Science and Tactics*

GEORGE F. RALPH, JR., 1956. Fenn College; University of California; Chief Warrant Officer, U.S. Army.

*Instructor in Military Science and Tactics*

LEONARD SIKON, 1956. Sergeant First Class, U.S. Army.

*Instructor in Military Science and Tactics*

JACOB MURON, 1956. Sergeant, U.S. Army.

*Instructor in Military Science and Tactics*

\*Listed in order of military rank.



## FACULTY IN AIR SCIENCE\*

- CARL G. ARNOLD, 1954. B.A., Pomona College; Academic Instructors School; Parachute School; Lieutenant Colonel, U.S. Air Force.  
*Professor of Air Science; Chairman, Department of Air Science*
- TOM B. FOULK, 1956. B.S. in Engr., U.S. Military Academy; Millard Preparatory School; Bethany College; Academic Instructors School; Major, U.S. Air Force.  
*Assistant Professor of Air Science*
- JACK O. HORTON, 1956. B.S. in Military Science, University of Maryland; Air Force Academic Instructors School; Major, U.S. Air Force.  
*Assistant Professor of Air Science*
- RICHARD L. BOUILLON, 1955. B.S., Indiana University; Air Force Advanced Flying School; Academic Instructors School; Captain, U.S. Air Force.  
*Assistant Professor of Air Science*
- JOHN D. SMITH, 1955. B.A., Michigan State University; Academic Instructors School; Captain, U.S. Air Force.  
*Assistant Professor of Air Science*
- RALPH L. MCDANIEL, 1954. Master Sergeant, U.S. Air Force.  
*Instructor in Air Science*
- LLOYD E. DILLEY, 1955. Master Sergeant, U.S. Air Force.  
*Instructor in Air Science*
- JAMES C. GROSSMAN, 1955. Technical Sergeant, U.S. Air Force.  
*Instructor in Air Science*
- PETE V. CORAPI, 1955. Technical Sergeant, U.S. Air Force.  
*Instructor in Air Science*

## PART-TIME FACULTY

- DOROTHY H. ABELL. B.S., University of Illinois; M.A., Columbia University.  
*Instructor in English, Sandusky Branch*
- AMY ALLEN. B.S., M.A., Columbia University.  
*Extension Instructor in Education*
- JOHN H. BAUER. B.M., University of Michigan.  
*Instructor in Music*
- HARRY C. BOILEAU. Student of Benjamin Podemski of the Philadelphia Orchestra.  
*Instructor in Music*
- RAYMOND BOLON. B.A., Baldwin-Wallace College; M.A., Ohio State University.  
*Instructor in Geography, Sandusky Branch*
- ZOLA BUFORD. B.S., M.S. in Education, Illinois State Normal University.  
*Instructor in Geography*
- MARGARET CHANDLER. B.S. in Education, Bowling Green State University.  
*Assistant Instructor in Health and Physical Education*
- THOMAS CURTIS. B.A., University of Michigan; S.T.B., Boston University.  
*Instructor in Music*
- MARGARET FEARNSIDE. B.S. in Education, M.A., Bowling Green State University.  
*Instructor in Education*

\*In order of military rank.

- DAVID GLASMIRE. B.M., M.M., Cincinnati Conservatory of Music.  
*Instructor in Music*
- EVELYN GLASS. B.S. in Education, Bowling Green State University; M.A., Columbia University.  
*Instructor in English, Mansfield Branch*
- MARY C. HISSONG. A.B., M.A., Ph.D., Ohio State University.  
*Instructor in English*
- VIRGINIA LELAND. B.A., Carson-Newman College; A.M., Ph.D., University of Chicago.  
*Instructor in English*
- GERALD MCLAUGHLIN. Student of Louis Persinger, Juilliard School of Music.  
*Instructor in Music*
- BARBARA O'DONNELL. B.A., Ohio University; M.A., Ohio State University.  
*Instructor in English*
- FLORENCE S. OGG. B.E., Illinois State Teachers College; M.A., University of Illinois.  
*Lecturer in Mathematics*
- MILDRED B. PIETSCHMAN. B.S. in Education, Bowling Green State University.  
*Instructor in Music, Sandusky Branch*
- LELAND T. POWELL. B.S., Denison University; M.A., Ohio State University.  
*Instructor in English, Mansfield Branch*
- \*DOROTHY SHAFFER. B.S., Miami University; M.A., Ohio State University.  
*Instructor in English, Sandusky Branch*
- \*FRANK SMITH. A.B., M.A., Colorado State College of Education.  
*Instructor in Art, Sandusky Branch*

## GRADUATE ASSISTANTS

- THEODORE R. ANGRADI. B.S. in Education, Pennsylvania State Teachers College, Mansfield. *English*
- JOHN BENYA,\*\* B.A., Miami University. *Speech*
- WILLIAM BERRY. A.B., West Virginia Wesleyan College. *Residence Counseling*
- CHARLES BRONZ. B.S. in Education, Bowling Green State University. *Health and Physical Education*
- ROBERT COCHRANE. B.S. in Education, Bowling Green State University. *History*
- ROBERT C. COWLES. B.A., Marietta College. *Speech*
- TERRANCE R. FLANNIGAN. B.A., University of Saskatchewan. *Health and Physical Education*
- ROBERT F. FLEISCHER. B.S. in Business Administration, Bowling Green State University. *Economics*
- JAMES A. FROST. A.B., Ohio Northern University. *Education*
- ANTONIO S. GIANNELLI. LL.D., University of Padova, Italy. *Psychology*
- LARRY EUGENE GRISVARD. B.A., University of Toledo. *Speech*
- HARRY T. GROAT\*, B.S. in Education, Bowling Green State University. *Sociology*
- JOANN HALICKI\*, B.S., Bowling Green State University. *Biology*
- PHILIP HALICKI. B.A., Bowling Green State University. *Biology*

\*Second semester.

\*\*First semester.

who wish to try out for roles in plays or participate as technical workers. The Theatre serves as a laboratory for theatre and speech students. and through its presentations, the Theatre also enriches the cultural experience of the student body and community.

Play production activity is organized so as to provide training for beginners as well as for more experienced students. Plays produced during the winter include a large number of one-acts, studio plays which are often experimental in nature, and from four to six major productions ranging from recent Broadway successes to theatre masterpieces of earlier periods. Seven full-length plays are produced each summer at the Summer Theatre.

The University Theatre possesses one of the finest physical plants in the state, with well-equipped workshops and stages. The Main Auditorium has a large and well-designed stage and a seating capacity of 1,200.

Gate Theatre in the Speech Building, with its smaller stage and house, is ideally suited to more intimate productions. Students build, paint, and light each production under the supervision of the faculty.

A children's play and the Family Play Series of the Ohio Department of Mental Health tour northwest Ohio annually.

### RADIO STATION WBGU

The University's educational FM station, WBGU, provides a laboratory for students whose academic work calls for preparation and presentation of radio programs. The programs include other students who wish to participate on a talent or resource basis.

The station, which carries a regular daily schedule of programs, is licensed by the Federal Communications Commission to broadcast on a frequency of 88.1 megacycles. A large portion of the programs are prepared and presented by students in radio production; drama, music, news, speeches, interviews, and special events are included.

### PUBLIC ADDRESS AND DEBATE

A broad program in public address, including public speaking, discussion, debate, extempore speaking, and interpretative reading, is sponsored by the Department of Speech, with large numbers of students participating. Among activities are programs and contests on

the campus, appearances before civic, cultural, and educational groups in neighboring cities, and participation in intercollegiate speech contests.

Varsity debate teams traveled 7,500 miles last year to take part in 90 intercollegiate debates with 40 colleges and universities in 10 states. In addition, debaters and speech students took part in intramural forensic tournaments on the campus, and presented talks, discussions, and debates over radio and before numerous service club and high school audiences in northwest Ohio.

### MUSIC ORGANIZATIONS

A number of excellent music organizations, some nationally known, are sponsored by the Department of Music. These organizations are open to all students whether they are majoring in music or not, with selection made on the basis of tryouts. Most of them are composed of both men and women.

*A Cappella Choir*, a nationally known vocal group of 200 students, has performed in every state east of the Mississippi River on concert tours. For a number of years the Choir has presented a special program over the NBC network at the opening or during the Christmas season. In addition to local appearances, major tours are scheduled in odd numbered years and alternate with tours of the Treble Clef Club.

*Treble Clef Club* is a vocal group of 100 girls. The club presents concerts on the campus and in neighboring cities in addition to taking major tours on an alternating basis with the A Cappella Choir.

*The Choral Society* is composed of members of the A Cappella Choir, Treble Clef Club, other students, and citizens of the Bowling Green community. It presents the "Messiah" in December in even-numbered years, alternating with the Christmas program by the two campus and choral groups. It also gives an oratorio or other major choral work in the spring except when an occasional opera is performed.

*Marching Band*, open to both men and women, takes the lime-light each fall with its halftime shows on the football field. The band has over 100 members as well as majorettes and a drum major. A group drawn from this band comprises the Pep Band which plays at home basketball games.

*Concert Band* takes up when the Marching Band ends its season in November. This 100-piece band presents a series of concerts on the

campus, including outdoor concerts in the spring, and goes on tour each spring.

*University Symphony Orchestra* is a full symphonic ensemble and is open to all qualified men and women students, music majors and non-music majors alike. The orchestra appears in several home concerts each year and from time to time gives concerts in neighboring cities, performing standard works from the symphonic repertoire.

*The String Orchestra* is a smaller organization drawn from the personnel of the University Symphony Orchestra, with membership on the same basis as the Symphony Orchestra. It, too, is heard in concerts of ensemble music in the course of the year.

Besides these organizations, the Department of Music also sponsors a number of vocal and instrumental ensembles which are open to qualified students.

### STUDENT PUBLICATIONS

*The B-G News*, the University newspaper, is published twice a week by students. It offers a variety of experience in writing, editing, and advertising.

*The Key*, the University yearbook, is produced by a student staff under the guidance of the journalism faculty. It offers opportunity for expression of a variety of talents in writing, art, photography, and business management.

Both of these publications have consistently received high ratings in annual competitions of national scholastic press associations.

*Eyas*, a literary magazine, is published twice a year by students. Contributions of essays, short stories, poetry, editorials, and criticism are submitted by students, with selections to be published chosen by the staff.

### PHYSICAL EDUCATION AND INTRAMURAL SPORTS

The University has excellent facilities for instruction in health and physical education and maintains an outstanding program in athletics for both men and women. The program includes a very large percentage of the student body and a great variety of activities, which range from badminton to swimming and from golf to modern dance. Facilities include the Men's Physical Education Building, Women's

Physical Education Building, Natatorium, Stadium with football field and track, golf course, tennis courts, and playing fields for baseball, hockey, soccer, archery, and softball.

The program in health and physical education consists of (1) courses required of students in the freshman and sophomore years; (2) a large number of advanced courses for students who wish additional instruction or who plan to teach health and physical education; (3) voluntary participation in intramural sports by all who are interested; and (4) intercollegiate athletics for those who are specially talented.

The intramural program, one of the most extensive and active to be found anywhere, includes from 15 to 20 sports for men and women. Among these sports are archery, badminton, basketball, golf, handball, hockey, horseshoes, softball, swimming, table tennis, touch football, track, and volleyball. From 30 to 50 per cent of the student body take an active part in this intramural program.

### INTERCOLLEGIATE ATHLETICS

Intercollegiate athletic teams of Bowling Green State University, named the Falcons, compete with teams of other colleges and universities in football, basketball, baseball, golf, tennis, swimming, track, cross-country, and wrestling. Women's hockey and swimming teams compete in a schedule of contests with teams from other colleges and universities.

The University is a member of the Mid-American Conference\*, in which it competes for championships in all the Conference sports. In 1956 the Falcons won the Mid-American Conference championships in swimming, golf, and football. Intercollegiate competition, however, is not limited to teams in the Conference.

Only students who are in good scholastic standing are eligible to compete in interscholastic 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 students who participate in intercollegiate sports. 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.

\*Other MAC members: Kent State University, Ohio University, Miami University, the University of Toledo, Western Michigan College, and Marshall College.