**521—Modern Algebra (3)**
A continuation of Mathematics 520. Prerequisite: Mathematics 520. (2)

530—Algebraic Geometry (3)  
Plane algebraic curves, transformations, and invariants. Offered in summer only.

531—Algebraic Geometry (3)  
Curves and surfaces in three dimensions, transformations, and invariants. Offered in summer only.

540—Theory of Groups (3)  
Finite groups. Applications to algebra and geometry. Offered in summer only.

541—Theory of Groups (3)  
A continuation of Mathematics 540. Prerequisite: Mathematics 540. Offered in summer only.

569—Master's Thesis (3)  
Graduate Staff

Students working upon their master's theses in mathematics are required to register for this course. Prerequisite: Mathematics 496.

Military Science and Tactics (ROTC)

*101. 102—Basic Training (2 each semester)  
Staff

Military courtesy and discipline, drill, first aid, and basic army maneuvers. Three hours per week. (1, 2)

*201, 202—Basic Training (2 each semester)  
Staff

Continuation of 101, 102. Prerequisite: Military Science and Tactics 102. (2)

*301, 302—Advanced Field Artillery (3 each semester)  
Staff

Specialized training in tactical use of Field Artillery. Five hours per week. Prerequisite: Military Science and Tactics 202, or one year of active duty. (1, 2)

*401, 402—Advanced Field Artillery (3 each semester)  
Staff

Continuation of 301, 302. Prerequisite: Military Science and Tactics 302. (2)

Music

Professors McEwen (chairman), Kennedy; Associate Professors Fouley, Gromen, Spangler; Assistant Professors Alexander, Allen, Bohrstedt, Jensen, Yates; Instructors Himmel, Ono, Pitman, Troeger, Zuelke; Byrd, Dennis, Derr, Mrs. McEwen, McLaughlin, Steller, Wilson.

COURSES IN THEORY, HISTORY, AND APPRECIATION

*101—Sight Singing and Ear Training (2)  
Bohrstedt, Yates

Fundamental principles of pitch and rhythm as a basis for solfeggio. Dictation for oral and written response. Four hours a week. (2)

** Courses 510, 511, 520, and 521 are required of all candidates for the master's degree who major in mathematics. At least three of these courses must be presented for a minor.

**102—Sight Singing and Ear Training (2)  
Bohrstedt, Yates

A continuation of Music 101. Four hours a week. Prerequisite: Music 101. (2)

**103—Notation and Theory (2)  
Bohrstedt, Yates

Elementary theory, notation, scales, key signatures, clefs, intervals, triads, and chords of the seventh and ninth. Three hours a week. Course 103 must be taken as parallel. (2)

**104—Melody Writing and Elementary Form (2)  
Bohrstedt, Yates

Tone tendencies. Melodies in the smallest forms from the motive through the three-part song forms. Three hours a week. Prerequisite: Music 103. Course 104 must be taken as parallel. (2)

**107 (307)—Elementary Conducting and Terminology (1)  
Staff

Basic terms and signs. Fundamental conducting techniques. (1)

**108—Intermediate Conducting and Terminology (1)  
Staff

A continuation of Music 107. Prerequisite: Music 107. (2)

**201—Sight Singing and Ear Training (2)  
Troeger

Prepared and sight-reading of advanced choral material. Melodic and harmonic dictation. Four hours a week. Prerequisite: Music 102. (2)

**202—Sight Singing and Ear Training (2)  
Troeger

A continuation of Music 201. Four hours a week. Prerequisite: Music 201. (2)

**205 (208)—Harmony (2)  
Jensen

Four-part writing, harmonic dictation, keyboard. Prerequisite: Music 104 or equivalent. (2)

**206—Harmony (2)  
Jensen

A continuation of Music 205. Prerequisite: Music 205. (2)

211 (241)—General Music (2)  
Staff

Fundamental musical skills, reading by syllable, pitch and rhythm dictation, music appreciation, song singing. Four hours a week. (1)

212 (242)—General Music (2)  
Staff

A continuation of Music 211. Four hours a week. Prerequisite: Music 211. (2)

**301—Choral Literature (1)  
Allen

Reading and study of sacred and secular choral music from 16th to 20th century. Two hours a week. Prerequisite: Music 202. (1)

**303—Harmony (2)  
Jensen

Principal, subordinate, altered and mixed chords. Nonchordal tones, modulations, contrapuntal harmony. Keyboard improvisation. Prerequisite: Music 206. (2)

**304 (205)—Analysis of Form (2)  
Jensen

Analysis of the larger forms of musical composition. Prerequisite: Music 303 or equivalent. (2)
DESCRIPTION OF COURSES—MUSIC

305—History and Appreciation (3) Jensen
General course. Readings, reports, recorded music. Survey of all periods. (1)

306—History and Appreciation (3) Jensen
A continuation of Music 305. Prerequisite: Music 305. (2)

309—Modern Music (2) Bohmstedt
An analysis course in recent and contemporary music. Prerequisite: Music 304, 308. (1)

311—Choral Literature (1) Allen
Reading and study of cantatas, oratorios, and other choral compositions, classical and modern. Two hours a week. Prerequisite: Music 202. (1)

315—Orchestration (2) Bohmstedt
Scoring for orchestral choirs and ensembles and full orchestra. Prerequisite: Music 304. (1)

316—Composition (2) Bohmstedt
Original composition in songs and instrumental forms. Prerequisite: Music 304. (2)

317—Music Appreciation (2) McEwen
Enjoyment and understanding of music. Hearing, lecture, and participation. Not open to special music students or to those having credit for Music 305 or 338. Laboratory fee, $2.00. (1)

318—Symphonic Literature (1) Jensen
A hearing course in the larger standard instrumental works. Intended primarily for students taking Public School Music course. Prerequisite or parallel: Music 303 or 306. Laboratory fee, $2.00. (1, 2)

319—Symphonic Literature (1) Jensen
A continuation of Music 318. Laboratory fee, $2.00. (2)

320—Band Arranging (2) Staff
Scoring for band choirs, ensembles and full band. (2)

COURSES IN MUSIC EDUCATION

203—Introduction to Public School Music (1) McEwen
Purpose and place of music in the general scheme of education. Two hours a week. (1)

204—Introduction to Public School Music (1) McEwen
A continuation of Music 203. Prerequisite: Music 203. (2)

351—Teaching of Music (2) Staff
Methods in music for students in Elementary Education Curriculum. Four hours a week. Prerequisite: Music 242. (1)

COURSES IN APPLIED MUSIC

332—Methods in Music Appreciation (2) McEwen
The basis of music appreciation. Subject matter and methods. Preparation and teaching typical lessons. Prerequisite: Education 309. (2)

335—Methods in Secondary Music (2) Fauley
Subject matter and materials for music in the junior and senior high schools. Prerequisites: Education 309, 310. (1)

337—Methods and Materials in Instrumental Music (2) Zuehlke
For elementary and secondary schools. (2)

Fees—A fee of $20.00 per semester is charged for each course in Applied Music except courses designated "class". A fee of $3.00 per semester for use of piano six hours per week, and a fee of $5.00 each per semester for brass wind, wood wind, and stringed instruments is charged when provided by the University. Fees for organ practice are $10 per semester for 6 hours a week for University students taking organ credit, 25 cents per hour of practice for all others.

Credit Requirement—A minimum of thirty hours of Applied Music is required for students in Public School Music. All courses in Applied Music, including courses 100, 200, and 300 may be used to meet this requirement.

Instruction—The basis for instruction in Applied Music except course designated "class" is the half hour individual lesson. Work is graded according to the proficiency and experience of the student, and involves both technical study and standard performance literature. For students of Public School Music, attention is given to such special professional requirements as playing accompaniments and rhythms, and the proper use of the singing voice for teaching in the elementary and secondary schools.

Practice—A minimum of six hours of practice per week is required in piano and other instruments. In voice, three to five hours practice per week is required.

Racial Attendance—Students majoring in music are required to attend 80% of all student and faculty recitals and concerts, including those of the University Entertainment Course.

125—Percussion Class (1) Staff
133—Brass Class (1) Pitman
136—Cornet Class (1) Staff
145—Woodwind Class (1) Zuehlke
147—Clarinet and Flute Class (1)
151—String Class (2) Alexander
187—Violin Class (2) Staff
191, 192, 231, 232, 301-334—Brass Instruments (1 or 2 each) Groman, Pitman
141, 142, 241, 242, 341-344—Woodwind Instruments (1 or 2 each) Groman, Wilson, Zuehlke
DESCRIPTION OF COURSES—ORIENTATION

*161, *162, *261, *262, *361-364—Piano (1 or 2 each)
Bohme, Byrd, Jensen, Kennedy, Spangler, Tregear, Yates
*171, *172, *271, *272, *371-374—Voice (1 or 2 each)
Allen, Fauley, Himmcl, Kennedy, Oho
*181, *182, *281, *282, *381-384—Stringed Instruments (1 or 2 each)
Alexander, Derrr, McLauchlin
Jessel
*235—French Horn Class (1)
*236—Trombone Class (1)
*246—Oboe and Bassoon Class (1)
*285—Cello and Bass Class (1)

MUSICAL ORGANIZATIONS

100—Small Ensembles (1 a semester)
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 shall not exceed 4 hours.

200—Musical Organizations (1/2 a semester)
The Band, Festival Chorus, under-class A Cappella Choir, upper class A Cappella Choir, Men's Glee Club, Orchestra, and Treble Clef Club are open to all students of the University with the necessary musical ability. Not more than eight hours earned in this way can be applied to any degree.

300—Small Ensembles (1 a semester)
Similar to Music 100, but for juniors and seniors, may be taken more than once, but the total credit earned shall not exceed 4 hours.

Orientation and Guidance

Dean Conklin, Wilder; Instructors Barker, Moulton.

*101—Orientation (0)
Personality development and personal adjustment to college environment. Laborotory fee, 50 cents.

*111—Improvement of Reading (2)
Principles underlying efficient reading applied in daily practice. Designed to improve skills involved in comprehensin and rate of purposeful reading on the college level.

*121—Speech Clinic (2)
Students having speech difficulties requiring individual remedial treatment are urged to take advantage of the services offered by the Speech Clinic. Not open to students having credit for Speech 122.

*122—Speech Improvement (2)
A clinical course open to students registered in the University who have minor speech problems and who are interested in personal speech improvement. Not open to students having credit for Speech 121.

Philosophy

Associate Professor Tuttle (chairman); Staff to be announced.

**201—Introduction to Philosophy (3)
A study of the methods and problems of philosophy in relation to contemporary institutions.

**202 (302)—Ethics (3)
A study of the nature and meaning of "Good," and its application in business, professional, personal, and social attitudes and behavior. Offered in 1948-49 and alternate years.

**304—Aesthetics (3)
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 study. Offered in 1949-50 and alternate years.

**301—Logic (3)
A survey of the principles and problems of correct thinking, with emphasis on Mill's methods and the function of logic in pre-law, and the social and natural sciences.

**311—Types of Philosophy (3)
A study of contemporary realism, idealism, pragmatism, and mysticism with emphasis on their applications to today's educational, economic, religious, and social problems. Prerequisite: Philosophy 201.

**201 (203)—History of Ancient Philosophy (3)
The development of the concepts of stability, change, and interdependence from Thales to the fall of Rome. A study of the sources of modern economics, political, social, and religious ideas and practices. Prerequisite: Philosophy 201.

**322—History of Medieval and Modern Philosophy (3)
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. Prerequisites: Philosophy 201, 321, or permission of instructor.

**323—History of Religions (3)
The study of religions and their "kibbles," including inquiry into cultural backgrounds of Egypt, Babylonia, China, and Japan.

**324—History of Religions (3)
A study of religions and their "kibbles" with special emphasis on the eight living religions of India and the Near East. Prerequisite: Philosophy 323.
# Faculty

**Wayne R. Bohrstedt**  
Assistant Professor of Music (1947)  
B.M., M.M., Northwestern University.  

**Robert O. Bowe**  
Assistant Professor of Art (1948)  
B.S. in Education, University of Illinois; M.A., Columbus University.  

**Donald W. Bowman**  
Associate Professor of Physics (1943)  
A.B., Mount Union College; A.M., Ph.D., Ohio State University.  

**Joan B. Brodie**  
Instructor in Health and Physical Education (1948)  
B.A., Cornell University; M.A., Columbia University.  

**Prudence L. Brown**  
Assistant Professor of Speech (1947)  
B.A., University of Nebraska; M.A., University of Michigan.  

**Winslow K. Brown**  
University Physician (1940)  
A.B., Denison University; M.D., Starling Loving Medical School, Ohio State University.  

**Henry W. F. Bruhn**  
Instructor in Mathematics (1946)  
B.A., Defiance College; M.A., Bowling Green State University.  

**Joseph C. Burk**  
Instructor in Geography and Geology (1948)  

**John C. Bunn**  
Registrar (1939)  
B.A., DePauw University; M.A., Columbus University.  

**Carroll W. Creech**  
Instructor in Business Administration (1948)  
B.S. in Business Administration, Bowling Green State University.  

**Edward Scott Claplin**  
Assistant Professor of Political Science (1947)  
A.B., Oberlin College; M.A., Ph.D., Yale University.  

**Mary Virginia Coggin**  
Instructor in Home Economics (1947)  
B.S., Ohio State University; M.S., University of Minnesota.  

**J. Russell Coffey**  
Assistant Professor of Health and Physical Education (1948)  
A.B., M.A., Ohio State University; Ed.D., New York University.  

**Eileen M. Cullen**  
Instructor in Foreign Language (1948)  
A.B., A.M., Indiana University.  

**Arch B. Conklin**  
Dean of Students (1939)  
B.S., Wooster College; M.A., Columbia University.  

**Gilbert W. Cooke**  
Professor of Business Administration (1937)  
B.S., A.M., University of Minnesota; Ph.D., University of Wisconsin.  

**Samuel H. Cooper**  
Instructor in Health and Physical Education (1946)  
A.B., Oberlin College; M.A., New York University.  

**W. F. Cornell**  
Associate Professor of Mathematics (1943)  
B.S. in Education, Bowling Green State University; A.M., Ohio State University.  

**Paul L. Cowell**  
Instructor in Engineering Drawing (1948)  
M.E., Ohio State University.  

**Donald J. Crowley**  
Professor of Graphic Arts (1919)  
B.S., Columbia University; Ph.M., University of Wisconsin.  

**Jessie J. Cuff**  
Associate Professor of Journalism (1940)  
A.B., Ohio Wesleyan University; A.M., Ohio State University.  

**R. Thelma D’Almaine**  
Instructor in Biology (1948)  
A.B., Westminster College; M.A., Columbia University.  

**John R. Davidson**  
Assistant Professor of Business Administration (1946)  
B.S. in Education, Bowling Green State University; M.S. in Retailing, New York University.  

**David J. Davies**  
Instructor in Economics (1947)  
B.S., St. Vincent College; M.S. in Economics, University of Illinois.  

**Barbara E. Day**  
Instructor in Sociology (1948)  

**E. Eugene Dickerman**  
Professor of Biology (1936)  
B.S. in Education, Bowling Green State University; M.A., Western Reserve.  

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* The date in parentheses is the date of first appointment to a position at Bowling Green State University.
BOWLING GREEN STATE UNIVERSITY

EMILY R. DERRIER Instr, in Music (1948)
B.S. in Education, Bowling Green State University.

MABEL E. DRENNAN Ass. Professor of Foreign Language (1946)
B.A., A.M., Ohio Wesleyan University.

Marilyn M. DUNNING Instructor in Economics (1948)
M.B.A., University of Chicago.

Grace Durrin Associate Professor of English (1925)
A.B., Hope College; A.M., University of Michigan.

Richard Ecker Instructor in Music (1948)
B.S. in Education, Ohio State University.

Catherine E. Ellis Acquisition Librarian (1948)
B.S. in Education, Ohio Northern University; B.S. in Library Science, Western Reserve University.

Michael F. Ellis Instructor in History (1947)
B.A., M.A., University of Buffalo.

Gertrude Eppler Associate Professor of Health and Physical Education (1941)
B.S., Michigan State Normal College; M.S., University of Michigan.

Mary Louise Everly Instructor in Biology (1948)
B.A., Indiana University; M.A., Stanford University.

Leon E. Fauley Associate Professor of Music (1930)
A.B., Wichita University; B.M., Kansas University; A.M., Columbia University.

Baron G. Fetterman Instructor in Mathematics (1945)
B.S. in Education, M.A., Ohio State University.

Mylen E. Fittwater Assistant Professor of Psychology (1948)
B.S. in Education, M.A., Ohio State University.

Merle E. Flamm Instructor in Physics (1948)
B.A., Ashland College; M.A., University of Michigan.

Lyle Rexford Fletcher Assistant Professor of Geography and Geology (1946)
A.B., Ohio University; M.A., Ohio State University.

Giles R. Floyd Associate Professor of English (1948)
A.B., Wooster College; M.A., Vanderbilt University; Ph.D., University of Iowa.

Dorothy E. Forma Assistant Professor of Health and Physical Education (1947)
B.S. in Education; M.A., Ohio State University.

Cecil F. Freiberg Assistant Professor of Psychology (1948)
B.S. in Education, Emporia State Teachers College; M.A.; Ph.D., State University of Iowa.

Mary Louise Gabel Instructor in Chemistry (1947)
B.S., University of Michigan.

Irving E. Gassell Instructor in Mathematics (1947)
B.S. in Education, Trenton State Teachers College; M.A., University of Pennsylvania.

John E. Goo Associate Professor of Education (1946)

Ralph H. Geer Assistant Professor of Education (1948)
A.B., DePauw College; M.A., Ohio State University.

Martha A. Geiling Assistant Professor of Education (1946)
B.A., Ohio Northern University; A.M., Ohio State University.

Sue E. Geising Instructor in Business Administration (1947)
B.B. in Business Administration, Bowling Green State University; M.S. in Business Administration, Northwestern University.

Anna M. O'Grady Assistant Professor of Mathematics (1927)
B.S. in Mathematics, University of Minnesota; A.M., Columbia University.

Earl C. Hackathorn Assistant Professor of Psychology (1947)
B.S., State University of Iowa; M.S., Purdue University.

Lee Z. Hafken Instructor in Journalism (1947)
B. L., New Jersey College for Women; M.S., Syracuse University.

FACULTY

J. VILLASANA HARGARD Associate Professor of Foreign Language (1947)
B.A., M.A., Ph.D., The University of Texas.

W. HOWEL HARRIASSA Instructor in Business Administration (1948)
A.B., Muskingum College; Ph.D., Ohio State University.

A. H. HAMMBE Associate Professor of Chemistry (1946)
B.S., Furman College; M.S., Iowa State College.

Harold T. HAMMER Assistant Professor of Biology (1946)
B.S., M.S., University of Wisconsin.

George H. HANKEY Instructor in Business Education (1948)
B.S., Peoples College of Kansas City; B.S., Bowling Green State University.

MARCUS A. HANNA Instructor in Chemistry (1946)
A.B., B.S. in Education, Bowling Green State University.

Paul R. HARTING Instructor in Biology (1948)
B.S., Central State College, Oklahoma; M.S., Oklahoma Agricultural and Mechanical College.

Ralph G. HASHMYNAN Professor of Business Administration (1936)
Dean, College of Business Administration

B.S. in Education, Ohio Northern University; A.M., Ph.D., Ohio State University.

Dietlin C. Hart Instructor in English (1944)
B.S. in Education, Bowing Green State University.

Dale JAYN Associate Professor of Music (1948)
B.S. in Education; M.A., Ohio State University.

Lloyd A. HELMS Professor of Economics (1939)
A.B., DePauw University; M.A., Ph.D., University of Illinois.

Helen W. HENNINGER Associate Professor of Home Economics (1925)
Ph.B., University of Chicago; A.M., Columbia University.

Lyle E. HICKMAN Professor of Home Economics (1918)
B.S., Ohio State University; M.S., University of Chicago.

I. I. PEACOCK Associate Professor of Industrial Arts (1948)

Joseph E. HISSMANN Assistant Professor of Music (1947)
B.A., North Central College; M.M., Northwestern University.

Clyde M. HOGSON Professor of Education (1923)
B.S. in Education, Miami University; A.M., Columbia University; Ph.D., Ohio State University.

Floyd HOPACKER Instructor in Industrial Arts (1947)
B.S. in Education, Bowling Green State University.

Major William F. HOPKINS Assistant Professor of Military Science and Tactics (1946)
B.S., United States Military Academy.

Willow H. HOWARD Instructor in Business Education (1948)
B.S., M.A., Bowling Green State University.

Leonard F. HOUCK Assistant Professor of Home Economics (1948)
B.S., Ohio University; M.S., University of Washington.

Robert H. HUBACK Assistant Professor of English (1947)
A.B., The University of Kansas City; A.M., University of Colorado; Ph.D., Indiana University.

Howard B. HUFFMAN Assistant Professor of Business Administration (1948)
B.S. in Education, Wilmington College; M.B.A., University of Denver.

Wade Shaffer HUFFMAN Assistant Professor of History (1938)
B.A., lndiana University; M.A., University of Michigan.

R. Lynn HUTCHINSON Assistant Professor of Biology (1948)
B.A., College of Wooster; M.A., Ohio University; Ph.D., Northwestern University.

* On leave of absence.
SAMPSON HARMON LOWRIE       Professor of Sociology (1939)
A.B., Rice Institute; A.M., Ph.D., Columbia University.

COLONEL WILLIAM C. LUCAS    Professor of Military Science and Tactics (1948)
B.S., United States Military Academy.

ELIZA McCAIN                Professor of English (1914)
A.B., National Normal University; A.B., Antioch College; A.M., Columbia University.
Ph.D., New York University.

ADRIAN E. McCLELLAND       Assistant Professor of Speech (1946)
B.S., Slippery Rock State Teachers College; M.Ed., Pennsylvania State College.

BERNARD McCORMICK     Associate Professor of History (1947)
A.B., St. Bonaventure; A.M., University of Buffalo; Ph.D., Columbia University.

VITAL G. McCRAVEN       Assistant Professor of Psychology (1921)
B.S., M.A., Washington University.

HERBERT R. McEWEN        Professor of Music (1921)
B.S. in Education, Columbia University; A.M., Ohio State University.

KENNETH H. McFALL    Professor of Psychology (1943)
B.S., Mount Union College; M.A., Ph.D., Western Reserve University.

ROBERT E. McKay         Assistant Professor of Physics (1944)
B.A., M.S., Ohio State University.

GERALD MCLAUGHLIN    Instructor in Music (1947)
B.A., M.S., Ohio State University.

WILLIAM J. McLENNAND        Instructor in Psychology (1948)
B.S., University of Pittsburgh; M.A., University of Toledo.

FREDERICK R. McLeod        Instructor in English (1947)
B.A., Bowling Green State University.

ESTHER McCOWN  Associate Professor of Education (1947)
B.S., Bethany College; M.A., Ph.D., Ohio State University.

ENRITA MALNATI       Instructor in Home Economics (1948)
B.A. in Home Economics, Cornell University.

LEWIS F. MAINHARDT          Associate Professor of Business Administration (1937)
B.S. in Education, Bowling Green State University; A.M., Ohio State University.

PATRICIA F. MAURER        Instructor in Speech (1946)
B.A., Baldwin-Wallace College; M.A., Western Reserve University.

ARK MARSHAL     Professor of Music (1949)
B.M., Westminster College; M.M., Northwestern University.

EDWARD E. MARSH   Associate Professor of Health and Physical Education (1940)
B.S. in Education, Bowling Green State University; A.M., Columbia University.

CLAIRE S. MARTIN       Professor of Chemistry (1923)
B.S., M.A., Ph.D., Ohio State University.

LARRY E. MATHIAS     Associate Professor of Mathematics (1931)
A.B., Indiana Central College; A.M., Indiana University.

DAVID S. MATTHEWS        Instructor in Health and Physical Education (1947)
B.S., M.S., University of Michigan.

DORIS MATTZ       Instructor in Music (1948)
B.A., Eastern State College of the University of Rochester.

SHEILA M. MAYFIELD      Associate Professor of Geography and Geology (1936)
B.S., A.B., Berck College; Ph.D., University of Chicago.

ERNEST M. MEIKLE     Assistant Professor of Speech (1947)
B.A., College of Wooster; M.A., University of Michigan.

SEYMOUR M. MEIKLE    Assistant Professor of Mathematics (1936)
B.A., College of Wooster; M.A., University of Michigan.

WILLIAM J. Mmastian  Assistant Professor of Speech (1947)
B.A., College of Wooster; M.A., University of Michigan.

SUSAN M. MASTIAN   Assistant Professor of Mathematics (1947)
B.A., College of Wooster; M.A., University of Michigan.

HERBERT E. MEISTER       Instructor in Chemistry (1947)
B.S., Kent State University.

GENEVA COLTON MENDLE    Assistant Professor of Art (1943)
B.S. in Education, A.M., Ohio State University.
BOWLING GREEN STATE UNIVERSITY

VIRGINIA MERRELL.......................................................... Library Circulation Manager (1947)
B.A., Bowling Green State University.

FRANK G. VESPER.......................................................... Associate Professor of Biology (1945)
A.B., University of Nebraska; M.A., Northwestern University; Ph.D., University of Nebraska.

FRANK L. MILLER.......................................................... Instructor in Speech (1946)
B.A., M.A., Bowling Green State University.

M. HAROLD MILEY.......................................................... Assistant Professor of Speech (1947)
A.B., Western Michigan College; M.A., University of Michigan.

I. WILLIAM MILLER......................................................... Director of the Bureau of Appointments and Alumni Relations (1946)
B.S. in Education, M.A., Bowling Green State University.

LEWIS E. MILLER.......................................................... Assistant Professor of Chemistry (1947)
B.A., M.S., Ohio State University; Ph.D., University of Pittsburgh.

WILLIAM L. MILLER........................................................ Assistant Professor of Economics (1947)
B.B.A., University of Chattanooga; M.A., Duke University.

HERVEY D. MINER.......................................................... Instructor in Industrial Arts (1947)
B.S., in Education, Bowling Green State University; M.Ed., Ohio University.

JOHN K. MIKES............................................................ Instructor in Journalism (1947)
B.S. in Journalism, Ohio State University; M.A., Bowling Green State University.

EDWIN C. MOCHE.......................................................... Instructor in Sociology (1948)
B.S. in Education, Clarion State Teachers College; M.A., Ohio University.

OWEN D. MONTGOMERY..................................................... Assistant Professor in Business Education (1948)
B.S. in Education, Ohio University; M.Ed., University of Pittsburgh.

MERRILL R. MOORE......................................................... Instructor in Mathematics (1948)
B.S., University of Washington; S.M., Massachusetts Institute of Technology.

DOROTHY E. MOUTON....................................................... Instructor in English (1948)
B.A., Randolph-Macon Woman's College; M.A., University of Pittsburgh.

GEORGE MUELLICH......................................................... Instructor in Health and Physical Education (1942)
B.S. in Education, Michigan State Normal College.

HERBERT C. MUNTZ........................................................ Instructor in English (1945)
B.A., M.A., Ohio State University.

ORDA DOROTHY MUIR....................................................... Instructor in Business Education (1948)
B.S. in Business; M.S., University of Tennessee.

EVERETT C. MYERS......................................................... Associate Professor of Biology (1947)
Curator of the University Museum
S.B., Western Reserve University; Ph.D., Johns Hopkins University.

VIRGINIA MYERS.......................................................... Assistant Professor of English (1946)
B.A., College of Wooster; M.A., Radcliffe College; M.Lit., University of Cambridge.

LEE N. NEWCOMER........................................................ Assistant Professor of History (1947)
A.B., DePauw University; M.A., Ohio State University.

ROSA LYNN NEWCOMER..................................................... Instructor in Health and Physical Education (1946)
B.S. in Education, Bowling Green State University.

A. EVARD NIELSEN......................................................... Associate Professor of Business Administration (1947)
B.A., Iowa State Teachers College; M.A., Ph.D., Columbia University.

CAROLINE NIELSEN......................................................... Professor Emeritus of Foreign Language (1918)
A.B., M.A., University of Nebraska.

MAURICE NIELSEN......................................................... Associate Professor of Philosophy (1948)
B.S., Leland Stanford Junior College; E.T.B., Ph.D., Harvard University.

BERNARD FREDDERICK NORDMANN........................................ Professor of History (1929)
A.B., Leland Stanford University; A.M., Ph.D., University of Illinois.

PAULA NYSTROM.......................................................... Instructor in English (1944)
B.A., Cleveland College, Western Reserve University; M.A., Western Reserve University.

FRANCES CLEGG.......................................................... Instructor in Foreign Language (1949)
A.B., Baldwin-Wallace College.
Robert D. Richey ............................... Instructor in Speech (1946)
B.A., M.A., Ohio State University.

Robert G. Rider .................................. Instructor in Business Law (1947)
B.S. in Education, Bowling Green State University; LL.B., Ohio State University.

Earl A. Roth .................................. Associate Professor of Business Education (1947)
B.S., M.A., Ohio State University.

Howard W. Sammetzinger ........................ Instructor in Chemistry (1946)
B.S., Bowling Green State University.

Allan Savoy .................................. Instructor in Health and Physical Education (1944)
B.S., Michigan State Normal College.

Kenneth H. Schauwecker ........................ Instructor in Graphic Arts (1946)
B.S. in Business Administration, Bowling Green State University.

William E. Schleider .......................... Assistant Professor of Business Administration (1947)
A.B., Villanova University; M.B.A., University of Denver.

William F. Schmelzle ......................... Assistant Professor of Business Administration (1947)
B.B.A., University of Toledo; M.B.A., Harvard Graduate School of Business Administration.

Alice Schonecke ................................. Instructor in Home Economics (1946)
B.S. in Education, Miami University; M.S., Ohio State University.

C. Edward Schumacher ........................ Instructor in Industrial Arts (1947)
B.S., Bowling Green State University.

John Schwarz .................................. Professor Emeritus of History (1923)
A.B., Miami University; A.M., University of Chicago.

Margaret L. Shaddix ........................... Instructor in Home Economics (1947)
B.A., in Education, University of Michigan.

Carolyn Shaw .................................. Associate Professor of Health and Physical Education (1923)
A.B., Smith College; B.S., Simmons College; A.M., Columbia University.

Muriel C. Shaw .................................. Assistant Catalog Librarian (1948)
B.A., Mount St. Mary College; B.S., Simmons College.

Clifford Byron Shipler ......................... Associate Professor of Business Education (1947)
B.S., Baker College; M.A., University of Michigan; B.E.D., Columbia University.

Emerson C. Snook ............................... Professor of English (1943)
Director of the Graduate School
B.S., Otterbein College; A.M., Ohio State University; Ph.D., University of Wisconsin.

Bertil G. Sima .................................. Assistant Professor of Foreign Language (1946)
B.A., Stockholm Nova Elementum; M.A., Ph.D., University of Leipsig.

William E. Singer ............................. Associate Professor of Physics (1927)
B.S., Capital University; B.E.E., A.M., Ohio State University.

Elden T. Smith ................................. Professor of Speech (1946)
Director of the University Theatre
A.B., Ohio Wesleyan University; A.M., Ph.D., Western Reserve University

Harry Spangler ................................. Associate Professor of Music (1947)
B.S., M.A., University of North Dakota.

Harold Glendon Steele ........................ Assistant Professor of English (1946)
B.A., Northwestern University; M.A., Ohio State University.

Warren E. Steidtmann ........................ Professor of Biology (1936)
A.B., University of Wisconsin; M.S., Ph.D., University of Michigan.

Warren E. Steller ............................. Associate Professor of Health and Physical Education (1924)
A.B., Oberlin College; A.M., Columbia University.

John W. Stockton ............................... Instructor in History (1946)
B.S., B.M., Miami University.

Hubert F. Stone ................................. Reference Librarian and Instructor in Library Science (1943)
B.S. in Library Science, Western Reserve University; A.M., Oberlin College.

Faculty

BENJAMIN STONE .................................. Associate Professor of Speech (1944)
B.A., M.A., Ohio Wesleyan University.

Charles Stoneking ......................... Associate Professor of Engineering Drawing (1946)
A.B., Denison University; M.E.E., University of Cincinnati.

C. Glenn Swanson ............................... Professor of Sociology (1934)
A.B., A.M., Colorado Teachers College; Ph.D., New York University.

Howard Taylor .................................. Instructor in Military Science (1948)

Jacqueline E. Timm ............................ Assistant Professor of Political Science (1946)
B.A., M.A., Ph.D., The University of Texas.

Hal A. Tinkle .................................. Assistant Professor of Home Economics (1941)
B.A., Williams College; M.A., Columbia University.

Theodore W. Tingley .......................... Instructor in Mathematics (1947)
B.S. in Education, Bowling Green State University.

Kirk Torgeson ................................. Instructor in Health and Physical Education (1947)
B.S., Central Missouri State Teachers College; M.A., New York University.

Richard M. Torgerson ........................ Associate Professor of Industrial Arts (1947)
B.S., M.A., University of Minnesota.

Amber B. Trechard ............................ Instructor in Sociology (1948)
B.A., Hofstra College; M.A., New York University.

Betty Jean Trower .............................. Instructor in Music (1946)
B.S. in Education, Bowling Green State University; M.M., Northwestern University.

Tom Hollingsworth Tuttle ...................... Associate Professor of Philosophy (1946)
B.A., M.A., University of Texas; Ph.D., University of Southern California.

Robert W. Tymian ............................. Assistant Professor of History (1948)
A.B., Indiana University; M.A., University of Chicago.

Harmon Yakeuil .................................. Assistant Professor of Economics (1946)
B.A., Hope College; M.A., University of Minnesota.

William S. Wagner ............................. Assistant Professor of Education (1947)
B.S. in Education, Bowling Green State University; M.A., Ohio State University.

Frederick G. Walsh ........................... Associate Professor of Speech (1945)
B.S., M.S., North Carolina State College; M.A., University of North Carolina.

Willard F. Wankelman ......................... Assistant Professor of Art (1946)
B.S. in Education, M.A., Ohio State University.

Richard Warrick ............................... Instructor in Chemistry (1948)
B.S., Mary Magdalen College; M.S., University of Detroit.

Ellis Werns .................................. Associate Professor of Chemistry (1937)
A.B., M.D., Ph.D., Indiana University.

William J. Wernershauer ...................... Assistant Professor of Foreign Language (1947)
A.B., Wayne State Teachers College; A.M., University of Nebraska.

Les M. Wessel .................................. Assistant Professor of Health and Physical Education (1948)
B.S., Michigan State Normal College; M.S., University of Michigan.

Earl E. Wernershauer ......................... Associate Professor of Psychology (1948)
B.A., M.A., Ph.D., Ohio State University.

Robert H. Whittaker .......................... Assistant Professor of Health and Physical Education (1941)
B.S., M.S., University of Michigan; A.M., Bowling Green State University.

E. Louise Whittier ............................ Associate Professor of Biology (1946)
A.B., Grand Island College; M.A., University of Nebraska.

Fred C. Wionce ................................. Instructor in Art (1948)
B.A., Park College; M.F.A., University of Iowa.

Henry W. Wilder ............................... Dean of Women (1941)
A.B., Albion College; M.A., Columbia University.

Lilah V. Wiley ................................. Assistant Professor of Economics (1945)
B.A., M.A., Lafayette College.

F. C. Willeke ................................. Instructor in English (1946)
B.S. in Education, Ohio Northern University; M.A., University of Michigan.
Bowling Green State University

Virginia A. Crockett ........................................... Speech
Mildred D. Davis ........................................... English
Howard De Lancy ........................................... Business Education
George W. Edness ........................................... History
Ronald W. Emmitt ........................................... Biology
Burt Fleiss ................................................... Industrial Arts
Phyllis Ann Folts ........................................... English
Suzette L. Freeman ......................................... English
Verne G. Graham ........................................... Physics
Evelyn M. Groening ......................................... Speech
Herbert H. Higby ........................................... History
Patricia J. Howes ........................................... Speech
Mary Marjory Humman ..................................... Education
Michael S. Hoshiko .......................................... Psychology
Warren X. Ison ............................................... History
Charles H. Johnston, Jr. .................................... Biology
Richard L. Kaiser ........................................... Psychology
Eugene W. Kaskey ........................................... Biology
G. Edwin Kemp ............................................... Speech
Dane E. Knepper ............................................ Geography and Geology
Robert W. Lehman .......................................... Health and Physical Education
Thomas F. Lloyd ............................................ Health and Physical Education
Harold M. Memillat ......................................... Political Science
Patricia H. Mises ........................................... Speech
Walter C. Miller ............................................ Business Education
Charles C. Minch ........................................... Economics
Coralia Montanaro .......................................... Foreign Language
Seymour W. Pustillik ........................................ Mathematics
Lester C. Roig, Jr. ........................................... Economics
Grace M. Scholt ............................................. English
William H. Sherman ........................................ English
Charles E. Silver ........................................... Psychology
John Starr ................................................... Business Education
Donald R. Strebic ........................................... Speech
David D. Thompson ........................................ Speech
John F. Wells .............................................. Psychology
Mary C. Wells .............................................. Philosophy
Dorothea B. Wiley ........................................... Sociology

Part-Time Appointments

Dorothy H. Abell, B.S., M.A. ....................................... English
Dudley R. Avery, A.E., LL.B. ................................... Business Administration
Thomas Curtis, A.B., B.T.B. ..................................... Music
Edna Gramley ................................................... Health and Physical Education
Marjorie C. Kreicher, B.S. in Education, M.A. .......... English
Dorothy M. Luedtke, B.S. ....................................... Health and Physical Education
Elizabeth A. Menzel, B.A. ....................................... Health and Physical Education
Marie C. McLean, A.B., M.A. .................................. English
Dale R. McComber, B.S. in Education ......................... Political Science
John Nagy, B.A. ................................................ Speech
Dorothy F. Newcomer, A.B., M.A. ............................ Speech
Clare C. Otto, B.A., LL.B. ..................................... Business Administration
James Whittaker ............................................... Assistant Coach
Hurry Whittaker ............................................... Health and Physical Education

Graduate Assistants

Darrell F. Allison ............................................. Biology
Robert J. Balazs ............................................. Biology
Charles I. Bill ................................................ Economics
Elson F. Bock ................................................ Business Administration
James G. Bond ............................................... Psychology
Marta C. Clay ............................................... Foreign Language
University and Affiliated Laboratory Schools

Administrative Officers

HERSCHEL LUTHERLAND, A.B., A.M., Ph.D. Dean, College of Education
H. L. BOWMAN Superintendent of Bowling Green Public Schools (1939) B.S., Denison University; A.M., Ohio State University.
CHARLES W. YOUNG Coordinator in Elementary Education (1945) B.A., Ohio Wesleyan University; M.A., Ph.D., Ohio State University.
JAMES B. McCOUEN Coordinator in Secondary Education (1947) B.S., Bethany College; M.A., Ph.D., Ohio State University.
WILLIAM S. WAGNER Elementary Supervisor (1947) B.S., Bowling Green State University; M.A., Ohio State University.

University School

FLORENCE F. BENDER Supervisor, University Nursery School (1944) A.B., Goshen College; M.S., Purdue University.
MARGARET L. SHADDIX Head Teacher, University Nursery School (1947) B.S., University of Michigan.
MAE A. TINDALL Supervisor, Junior-Primary (1941) B.A., Williamette University; M.A., Columbia University.
VELMA BISHER Assistant Teacher, Kindergarten (1947) B.S., Bowling Green State University.
HELEN MORROW LLOYD Teacher, First Grade (1947) B.S., Central Missouri State Teachers College; A.M., University of Chicago.
†MARY L. EYSTER Supervising Teacher, Third Grade (1947) B.S., Ohio Northern University; M.A., Ohio State University.
ELIZA L. LORENZ Supervising Teacher, Third Grade (1931) B.S. in Supervision, A.M., University of Iowa.
MERLE FRANK Teacher, Fourth Grade (1948) A.B., Trinity University.
BETTY I. TWYMAN Supervising Teacher, Fifth Grade (1948) A.B., University of Indiana.

Ridge Street School

GRACE R. BELL Supervising Teacher, First Grade (1941) B.S. in Education, M.A., Bowling Green State University.
BARBARA E. ZAHNROD Supervising Teacher, First and Second Grades (1947) B.S. in Education, M.A., Bowling Green State University.
CORA E. DAY Supervising Teacher, Second Grade (1946) B.S., M.A., Ohio State University.
ALICE MARGARET ROTH Supervising Teacher, Third Grade (1921) B.S., A.M., Columbia University.
MILDRED WINKLE Supervising Teacher, Third and Fourth Grades (1947) B.S., M.A., Ohio State University.
MARVALENJE L. DAY Principal and Supervising Teacher, Fourth Grade (1931) Ph.B., University of Chicago; A.M. in Elementary Education, Columbia University.

† On leave of absence

Faculty

WILLIAM CHRON Supervising Teacher, Fifth Grade (1924) Ph.B., University of Chicago; A.M., Columbia University.
RUTH E. VAN DORN Supervising Teacher, Sixth Grade (1925) Ph.B., University of Chicago; A.M., Columbia University.

Bowling Green Junior High School

ERNEST N. LITTLETON Principal (1930) A.B., Miami University; A.M., Columbia University.
JOHN LAWRENCE CLARK Supervising Teacher, Biology (1940) A.B., Ohio Wesleyan University; M.A., Ohio State University.
CLAYTON R. COOK Supervising Teacher, Physical Education (1934) A.B., Marietta College; A.M., Ohio State University.
ELIZABETH EDMONSON Supervising Teacher, Physical Education (1948) B.S. in Education, Bowling Green State University.
ELIZABETH D. GELVIN Supervising Teacher, English (1930) B.S. in Education, A.M., Ohio State University.
JOHN HAYNE Supervising Teacher, Home Economics (1945) B.S. in Education, Bowling Green State University.
ROBERT H. HEGEBRGER Supervising Teacher, Industrial Arts (1948) B.S. in Education, Kent State University.
ROY V. HILTY Supervising Teacher, Vocal Music (1928) A.B., Bluffton College; A.M., Ohio State University.
JOHN J. KLEINFELTER Supervising Teacher, Social Science (1931) A.B., Heidelberg College; A.M., Ohio State University.
LAUREL MOONEY Supervising Teacher, Physical Education (1941) B.S. in Education, Ohio State University.
Rex Moorehead Supervising Teacher, Mathematics (1948) B.S. in Education, Bowling Green State University.
R. EUGENE MORSE Supervising Teacher, History (1930) A.B., Western Michigan State Teachers College; A.M., Columbia University.
Ferrel W. Myrick Supervising Teacher, Science (1929) A.B., DePauw College; A.M., Ohio State University.
NELLIE M. RANDALL Supervising Teacher, English (1928) B.S. in Education, Bowling Green State University; A.M. Columbia University.
JEAN SAMSON Supervising Teacher, Mathematics (1948) B.S. in Education, Bowling Green State University.
RICHARD VAN ALLEN Supervising Teacher, Mathematics (1946) B.A., Findlay College; M.S., Bowling Green State University.
WILLIAM H. WENSTO Supervising Teacher, Business Education (1946) B.S., Bowling Green State University.

Bowling Green Senior High School

JOHN W. PARLETTE Principal (1937) A.B., Ohio Wesleyan University; A.M., Cornell University.
EDITH J. ALLMAN Supervising Teacher, English (1947) B.S., Ohio State University.
WALTER A. ALEXANDER Supervising Teacher, Agriculture (1924) B.S. in Agriculture, A.M., Ohio State University.
ELMER L. BOYLES..........................................Supervising Teacher, Mathematics (1916)
A.B., Oberlin College; M.A., Ohio State University.

FOREST CREASON.................................Supervising Teacher, Physical Education (1942)
A.B., Findlay College; M.S., Bowling Green State University.

KENNETH C. DOERING..........................Supervising Teacher, Business Education (1930)
B.S., Bowling Green State University; M.A., Columbia University.

JAMES R. GRABILL..............................Supervising Teacher, Instrumental Music (1946)
A.B., Oberlin College; M.A., Ohio State University.

WILMA GRANGER..............................Supervising Teacher, Speech and Hearing Therapy (1949)
B.S. in Education, Bowling Green State University.

ESTHER HAYWOOD..............................Supervising Teacher, History (1938)
B.S. in Education, Bowling Green State University; A.M., University of Michigan.

RUBY D. LEVIER..................................Supervising Teacher, Art (1926)
B.S., M.A., Ohio State University.

VIRGINIA A. MALLORY............................Supervising Teacher, English (1944)
A.B., Wittenberg College; M.A., Ohio State University.

HARLEY M. MERCER.............................Supervising Teacher, French, English (1927)
B.S. in Education, Bowling Green State University; A.M., Columbia University.

MAURICE M. MERCER............................Supervising Teacher, Economics, Journalism (1929)
B.S. in Education, Bowling Green State University; M.A., Ohio State University.

DONALD C. MOGAN.............................Supervising Teacher, Science (1925)
B.S., Wilmington College; M.A., University of Cincinnati.

WARREN F. OTT.................................Supervising Teacher, Physical Education (1937)
B.S., Miami University; A.M., Columbia University.

W. A. RIDER..................................Supervising Teacher, Business Education (1931)
B.S. in Education, Bowling Green State University; M.S.A., Ohio State University.

MARGARET A. ROBSON..........................Supervising Teacher, Latin (1916)
A.B., Oberlin College; A.M., Columbia University.

RAYMOND RUBESCHI............................Supervising Teacher, Spanish, History (1924)
A.B., Marist College; A.M., Ohio State University.

KATHERINE M. RUM................................Supervising Teacher, Physical Education (1928)
B.S. in Education, Ohio State University.

FRANKLIN G. SCIBBE........................Supervising Teacher, Social Problems (1926)
B.S. in Education, Bowling Green State University; A.M., Columbia University.

HARRY C. STOUT..............................Supervising Teacher, Chemistry (1920)
B.S. in Agriculture, M.A., Ohio State University.

RUSSELL A. SWIGART........................Supervising Teacher, Industrial Arts (1928)
B.S. in Industrial Education, University of Wisconsin; A.M., Columbia University.

Alline Young.........................Supervising Teacher, Home Economics (1937)
B.S., Tennessee State Teachers College; A.M., Peabody College.

Administrative Assistants

F. Eugene Beatty, B.S. in B.A..................................Director of Services

DON A. CUNNINGHAM, B.S. in B.A........................Sports Publicity Director and Ticket Manager

ROBERT O. JAYNES, B.S. in Journ..................................Assistant to Registrar in Publications

ELTON RINGER, B.S. in Ed..................................Statistician, Business Office

PAUL D. SHEPHERD, B.S. in B.A..................................Bookstore Manager

Mrs. CARL H. STANLEY..........................Cashier, Business Office

GLENN VAN WORMER, B.S. in Ed..................................Assistant Registrar

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BOWLING GREEN STATE UNIVERSITY

FACULTY

Food Managers

Mrs. MAYME HARRIS.........Manager, Commons

ELEANOR HUBBY..................Dietitian, Williams Hall

Mrs. E. J. OVERT..................Assistant Food Manager

Mrs. WILMA WRIGHT.........Manager, Student Union

Hospital Staff

ROBERTA BRUGGE, R.N..........MILDRED HOOPER, R.N.

HELEN MARVIN CHILTON, R.N. MARIE STEVENS

ENNIE HARRIS, R.N.........THELMAS STEVENSON, R.N.

House Directors

Mrs. EDDIE P. ARTHUR....................Kappa Sigma

Mrs. SAMUEL COOPER..................Delta Gamma

Mrs. LOUISE A. COATES............Alpha Phi

Mrs. MAURICE DURK..................W. I. S.

Mrs. EVA FARBER..................Gamma Phi Beta

Mrs. EDITH FISHER..................Kappa Delta

Mrs. BERNICE FOUST..................Pi Kappa Alpha

Mrs. CECIL M. FRANKSTON.................Alpha Xi Delta

Mrs. LILLIAN GERSHE.................Chi Omega

Mrs. BETTY HARDING..................Women's Building

Mrs. SUE HAYDEN..................Kohl Hall

Mrs. ESTHER B. HAYNE.................Sigma Nu

Mrs. JOSEPHINE JAMES.................Williams Hall

Mrs. ETHEL KNECH..................Sigma Chi

Mrs. EDWIN KUEH..................Sigma Chi

Mrs. T. ELIZABETH LEMMANN.................Alpha Gamma Delta

Mrs. HELEN E. LLOYD.................Alpha Tau Omega

Mrs. EVERETT MYERS..................Theta Phi

Mrs. HELEN E. RHOEHNHOUSE............Shaftel Hall

Mrs. KATHRYN SIMONS...............Phi Mu

Mrs. JOHN SMITH..................Alpha Chi Omega

Mrs. MARIE E. THOMPSON.................Delta Tau Delta

Mrs. WILLIAM WALKER.................Phi Delta

Maintenance Department

WILBUR W. BANKE..................Storekeeper

JOAN CROWLEY........................Graphic Arts

HARRY REITLER..................Director of Shops

RANDOLPH R. ROBIN............Chief Maintenance Engineer

CARL H. STANLEY............Assistant Maintenance Engineer

JAMES SYMOND..................Chemistry Stockroom Manager

Reserve Officers' Training Corps

LOUIS M. BURKUS, M/Sgt.....................Sergeant Major

NORMAN J. LASATER, M/Sgt............Supply Sergeant

HAROLD D. GENTRY, Cpl..................Maintenance
*409 (402)—ADVANCED CALCULUS (3)
Selected topics in advanced calculus. Prerequisite: Mathematics 202. Offered in 1950-51 and in alternate years.

*KABILL

*410—ADVANCED CALCULUS (3)
Continuation of Mathematics 409. Prerequisite: Mathematics 409. Offered in 1950-51 and in alternate years.

*KABILL

*412—VECTOR ANALYSIS (3)
Vector and scalar algebra and geometry; differentiation, integration, and differential operators; general coordinates; harmonic functions; potentials; applications to electricity and hydrodynamics. Prerequisite: Mathematics 202 and Physics 201 or permission of the instructor. Offered in 1950-51 and alternate years.

*KABILL

510—INTRODUCTION TO THE THEORY OF FUNCTIONS OF A COMPLEX VARIABLE (3)
The theory of complex numbers and their geometric representation; properties of analytic functions; conformal mapping; infinite series; theory as developed by Cauchy, Riemann, and Weierstrass.

*KABILL

511—FUNCTIONS OF A COMPLEX VARIABLE (3)
A continuation of Mathematics 510. Prerequisite: Mathematics 510.

*KABILL

520—MODERN ALGEBRA (3)
An introductory course in higher algebra.

*OSA

521—MODERN ALGEBRA (3)
A continuation of Mathematics 520. Prerequisite: Mathematics 520.

*OSA

530—ALGEBRAIC GEOMETRY (3)
Plane algebraic curves, transformations, and invariants. Offered in summer.

*OSA

531—ALGEBRAIC GEOMETRY (3)
Curves and surfaces in three dimensions, transformations, and invariants. Offered in summer.

*OSA

540—THEORY OF GROUPS (3)
Finite groups. Applications to algebra and geometry. Offered in summer.

*OSA

541—THEORY OF GROUPS (3)
A continuation of Mathematics 540. Prerequisite: Mathematics 540. Offered in summer.

*OSA

590—MASTER'S THESIS (3)
Students working on their master's theses in mathematics are required to register for this course.

GRADUATE STAFF

Music

Professors McEwen (chairman), Kennedy; Associate Professors Fauley, Herwen, Jensen, Spangler; Assistant Professors Alexander, Allen, Bohmstedt, Himmel, Krieger, Marley, Yates, Zusock; Instructors Dennis, Derrer, Ecker, Maat, McLaughlin, Pitman, Troeger; Mr. Curtis.

COURSES IN THEORY, HISTORY, AND APPRECIATION

*101—SIGHT SINGING AND EAR TRAINING (2)
Fundamental principles of pitch and rhythm as a basis for solfeggio. Dictation for oral and written response. Four hours a week.

*OSA

*102—SIGHT SINGING AND EAR TRAINING (2)
A continuation of Music 101. Four hours a week. Prerequisite: Music 101.

*OSA

*103—NOTATION AND THEORY (2)
Elementary theory, notation, scales, key signatures, clefs, intervals, triads, and chords of the seventh and ninth. Three hours a week. Music 101 must be taken as a prerequisite.

*OSA

*104—MELODY WRITING AND ELEMENTARY FORM (2)
Tone tendencies. Melodies in the smallest forms from the motive through the three-part song form. Three hours a week. Prerequisite: Music 103. Music 102 must be taken as a prerequisite.

*OSA

*107 (307)—ELEMENTARY CONDUCTING AND TERMINOLOGY (1)
Basic terms and signs. Fundamental conducting techniques.

*OSA

*108—INTERMEDIATE CONDUCTING AND TERMINOLOGY (1)
A continuation of Music 107. Prerequisite: Music 107.

*OSA

201—SIGHT SINGING AND EAR TRAINING (2)
Prepared and sight-reading of advanced choral material. Melodic and harmonic dictation. Four hours a week. Prerequisite: Music 102.

*OSA

202—SIGHT SINGING AND EAR TRAINING (2)
A continuation of Music 201. Four hours a week. Prerequisite: Music 201.

*OSA

205 (206)—HARMONY (2)
Four-part writing, harmonic dictation, keyboard. Prerequisite: Music 104 or equivalent.

*OSA

206—HARMONY (2)
A continuation of Music 205. Prerequisite: Music 205.

*OSA

211 (241)—GENERAL MUSIC (2)
Fundamental musical skills, reading by syllable, pitch and rhythm dictation, music appreciation, song singing. Four hours a week.

*OSA

212 (242)—GENERAL MUSIC (2)
A continuation of Music 211. Four hours a week. Prerequisite: Music 211.

*OSA

301—CHORAL LITERATURE (1)
Reading and study of sacred and secular choral music from 16th to 20th century. Two hours a week. Prerequisite: Music 202.

*OSA

303—HARMONY (2)

*OSA

304 (205)—ANALYSIS OF FORM (2)
Analysis of the larger forms of musical composition. Prerequisite: Music 303 or equivalent.

*OSA

305—HISTORY AND APPRECIATION (3)
General course. Readings, reports, recorded music. Survey of all periods.

*OSA

306—HISTORY AND APPRECIATION (3)
A continuation of Music 305. Prerequisite: Music 305.

*OSA

309—MODERN MUSIC (2)
An analysis course in recent and contemporary music. Prerequisites: Music 304, 306.

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DESCRIPTION OF COURSES—MUSIC

*311—Choral Literature (1)  
Allen  
Reading and study of cantatas, oratorios, and other choral compositions, classical and modern. Two hours a week. Prerequisite: Music 222. (1)

*315—Orchestration (2)  
Böhme  
Scoring for orchestral choirs and ensembles and full orchestra. Prerequisite: Music 304. (1)

*316—Composition (2)  
Böhme  
Original composition in songs and instrumental forms. Prerequisite: Music 304. (2)

*317—Music Appreciation (2)  
McEwen  
Enjoyment and understanding of music. Hearing, lecture, and participation. Not open to special music students or to those having credit for Music 205 or 206. Laboratory fee, $2.00. (1, 2)

*318—Symphonic Literature (1)  
Jensen  
A hearing course in the larger standard instrumental works. Intended primarily for students taking Public School Music course. Prerequisite: Music 205. Prerequisites or parallels: Music 205 and 206. Laboratory fee, $2.00. (1)

*319—Symphonic Literature (1)  
Jensen  
A continuation of Music 318. Laboratory fee, $2.00. (2)

*320—Band Arranging (2)  
Staff  
Scoring for band choirs, ensembles, and full band. (2)

COURSES IN MUSIC EDUCATION

203—Introduction to Public School Music (1)  
McEwen  
Purpose and place of music in the general scheme of education. Two hours a week. (1)

204—Introduction to Public School Music (1)  
McEwen  
A continuation of Music 203. Prerequisite: Music 203. (2)

351—Teaching of Music (2)  
Troeger  
Methods in music for students in Elementary Education Curriculum. Four hours a week. Prerequisite: Music 212. (1)

352—Methods in Music Appreciation (2)  
McEwen  
The basis of music appreciation. Subject matter and methods. Preparation and teaching typical lessons. Prerequisite: Education 309. (2)

355—Methods in Secondary Music (2)  
Fauley  
Subject matter and materials for music in the junior and senior high schools. Prerequisites: Education 309, 310. (1)

357—Methods and Materials in Instrumental Music (2)  
Zuelke  
For elementary and secondary schools. (1)

COURSES IN APPLIED MUSIC

Fees—A fee of $20.00 per semester is charged for each course in Applied Music except courses designated “class”. A fee of $3.00 per semester for use of piano six hours per week, and a fee of $5.00 each per semester for brass, wind, and stringed instruments is charged when provided by the University. Fees for organ practice are $10 per semester for six hours a week for University students taking organ credit, 25 cents per hour of practice for all others.

MUSICAL ORGANIZATIONS

100—Small Ensembles (1 a semester)  
Staff  
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 shall not exceed 4 hours. (1, 2)

200—Musical Organizations (1/4 a semester)  
Staff  
The Band, Festival Chorus, A Cappella Choirs, Men's Glee Club, Orchestra, and Treble Clef Club are open to all students of the University with the necessary musical ability. Not more than eight hours earned in this way can be applied to any degree. (1, 2)
Military Science and Tactics (ROTC)

Professor Lucas (Commanding Officer); Assistant Professor Horton; Instructor Taylor.

*301—logic (3)
A survey of the principles and problems of correct thinking, with emphasis on Mill's methods and the function of logic in pre-law, and the social and natural sciences.

*315—Seventeenth Century Philosophy (3)
A consideration of the great philosophical systems of the period, emphasizing the thought of Descartes, Spinoza, and Leibniz. Prerequisite: Philosophy 201, or permission of instructor.

*321 (202)—History of Ancient Philosophy (3)
Tuttle
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. Prerequisite: Philosophy 201, or permission of instructor.

*322—History of Medieval and Modern Philosophy (3)
Staff
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. Prerequisites: Philosophy 201, 321, or permission of instructor.

*323—History of Religions (3)
Tuttle
A study of the "bibles" of six major living religions of the Far East—Hinduism, Buddhism, Jainism, Confucianism, Taoism, and Shinto—including inquiry into cultural backgrounds of India, China, and Japan.

*324—History of Religions (3)
Nielsen
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.

*402—Philosophy of Science (3)
Tuttle
The nature and meaning of the presuppositions of science and the conclusions of the sciences as the data of philosophy. Prerequisites: Philosophy 201 and six or more hours in science. Offered in 1950-51 and in alternate years.

*414—Philosophy of Business (3)
Tuttle
A study of the underlying philosophies of business as applied by business men to the problems of management and labor, management and customers, and management and the community. Prerequisites: Philosophy 201 and six hours of business or economics. Offered in 1949-50 and in alternate years.

*415—American Thought (3)
Tuttle
A survey of ideas of freedom from the earliest times through Thomas Paine, Thomas Jefferson, Ralph Waldo Emerson, Walt Whitman, and into the present. Prerequisites: Philosophy 201, or permission of instructor. Offered on demand.

*417—Philosophy of Religion (3)
Nielsen
A survey of the concepts of soul, freedom, salvation, eternity, immortality, and Deity. A study of the origin, content, and validity of religious belief. Prerequisite: Philosophy 201, or permission of instructor.

501—Platonism (3)
Tuttle
A study of some of the "Dialogues" of Plato and "The Enneads" of Plotinus, with particular attention to their effects on the social, scientific, literary, and religious development of the Western World. Prerequisite: Philosophy 201 or permission of instructor.