

- **521—MODERN ALGEBRA (3) OGG
A continuation of Mathematics 520. Prerequisite: Mathematics 520. (2)
- 530—ALGEBRAIC GEOMETRY (3) OGG
Plane algebraic curves, transformations, and invariants. Offered in summer only.
- 531—ALGEBRAIC GEOMETRY (3) OGG
Curves and surfaces in three dimensions, transformations, and invariants. Offered in summer only.
- 540—THEORY OF GROUPS (3) OGG
Finite groups. Applications to algebra and geometry. Offered in summer only.
- 541—THEORY OF GROUPS (3) OGG
A continuation of Mathematics 540. Prerequisite: Mathematics 540. Offered in summer only.
- 599—MASTER'S THESIS (3) GRADUATE STAFF
Students working upon their master's theses in mathematics are required to register for this course. Prerequisite: Mathematics 498.

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. (N)
- *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. (N)

Music

Professors McEwen (chairman), Kennedy; Associate Professors Fauley, Groman, Spangler; Assistant Professors Alexander, Allen, Bohrnstedt, Jensen, Yates; Instructors Himmel, Ono, Pitman, Troeger, Zuelzke; Byrd, Dennis, Derrer, Mrs. McEwen, McLaughlin, Steller, Wilson.

COURSES IN THEORY, HISTORY, AND APPRECIATION

- *101—SIGHT SINGING AND EAR TRAINING (2) BOHRNSTEDT, YATES
Fundamental principles of pitch and rhythm as a basis for solfeggio. Dictation for oral and written response. Four hours a week. (1)

** 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) ALEXANDER
A continuation of Music 101. Four hours a week. Prerequisite: Music 101. (2)
- *103—NOTATION AND THEORY (2) ALEXANDER
Elementary theory, notation, scales, key signatures, clefs, intervals, triads, and chords of the seventh and ninth. Three hours a week. Course 101 must be taken as parallel. (1)
- *104—MELODY WRITING AND ELEMENTARY FORM (2) BOHRNSTEDT, 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 102 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. (1)
- *202—SIGHT SINGING AND EAR TRAINING (2) TROEGER
A continuation of Music 201. Four hours a week. Prerequisite: Music 201. (2)
- *205 (206)—HARMONY (2) JENSEN
Four-part writing, harmonic dictation, keyboard. Prerequisite: Music 104 or equivalent. (1)
- *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, modulation, contrapuntal harmony. Keyboard improvisation. Prerequisite: Music 206. (1)
- *304 (205)—ANALYSIS OF FORM (2) JENSEN
Analysis of the larger forms of musical composition. Prerequisite: Music 303 or equivalent. (2)

- *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) BOHRNSTEDT
An analysis course in recent and contemporary music. Prerequisites: Music 304, 306. (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) BOHRNSTEDT
Scoring for orchestral choirs and ensembles and full orchestra. Prerequisite: Music 304. (1)
- *316—COMPOSITION (2) BEHRNSTEDT
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 306. 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. Prerequisite or parallel: Music 305 and 306. 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) STAFF
Methods in music for students in Elementary Education Curriculum. Four hours a week. Prerequisite: Music 242. (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) ZUELZKE
For elementary and secondary schools. (2)

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, 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. RECITAL 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
- *135—BRASS CLASS (1) PITMAN
- *136—CORNET CLASS (1) STAFF
- *145—WOODWIND CLASS (1) ZUELZKE
- *147—CLARINET AND FLUTE CLASS (1) STAFF
- *185-186—STRING CLASS (2) ALEXANDER
- *187-188—VIOLIN CLASS (2) STAFF
- *131, *132, *231, *232, *331-334—BRASS INSTRUMENTS (1 or 2 each)
GROMAN, PITMAN
- *141, *142, *241, *242, *341-344—WOODWIND INSTRUMENTS (1 or 2 each)
GROMAN, WILSON, ZUELZKE

- *161, *162, *261, *262, *361-364—PIANO (1 or 2 each)
BOHRNSTEDT, BYRD, JENSEN, KENNEDY, SPANGLER, TROEGER, YATES
- *171, *172, *271, *272, *371-374—VOICE (1 or 2 each)
ALLEN, FAULEY, HIMMEL, KENNEDY, ONO
- *181, *182, *281, *282, *381-384—STRINGED INSTRUMENTS (1 or 2 each)
ALEXANDER, DERRER, McLAUGHLIN
- *191, *192, *291, *292, *391-394—ORGAN (1 or 2 each) JENSEN
- *235—FRENCH HORN CLASS (1) STAFF
- *236—TROMBONE CLASS (1) STAFF
- *246—OBOE AND BASSOON CLASS (1) STAFF
- *285—CELLO AND BASS CLASS (1) STAFF

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 (½ a semester) STAFF
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. (1, 2)
- 300—SMALL ENSEMBLES (1 a semester) STAFF
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. (1, 2)

Orientation and Guidance

Deans Conklin, Wilder; Instructors Barker, Moulton.

- *101—ORIENTATION (0) CONKLIN, WILDER
Personality development and personal adjustment to college environment. Laboratory fee, 50 cents. (1, 2)
- *111—IMPROVEMENT OF READING (2) MOULTON
Principles underlying efficient reading applied in daily practice. Designed to improve skills involved in comprehension and rate of purposeful reading on the college level. (1, 2)
- *121—SPEECH CLINIC (2) BARKER
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. (1, 2)
- *122—SPEECH IMPROVEMENT (2) BARKER
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. (1, 2)

- *131—METHODS OF EFFECTIVE STUDY (2) STAFF
A study of higher level work skills and their application to classroom activities, preparation of reports, examinations, and out-of-class preparations. Remedial training for deficiencies in skills of reading, composition, and mathematics. Laboratory fee, \$1.00. (1, 2)

Philosophy

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

- *201—INTRODUCTION TO PHILOSOPHY (3) STAFF
A study of the methods and problems of philosophy in relation to contemporary institutions. (1, 2)
- *202 (302)—ETHICS (3) TUTTLE
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. (2)
- 204—AESTHETICS (3) TUTTLE
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. (2)
- *301—LOGIC (3) STAFF
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. (1)
- *311—TYPES OF PHILOSOPHY (3) STAFF
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. (1)
- *321 (203)—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 economics, political, social, and religious ideas and practices. Prerequisite: Philosophy 201. (1)
- *322—HISTORY OF MEDIEVAL AND MODERN PHILOSOPHY (3) TUTTLE
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. (2)
- *323—HISTORY OF RELIGIONS (3) STAFF
The study of religions and their "bibles," including inquiry into cultural backgrounds of Egypt, Babylonia, China, and Japan. (1)
- *324—HISTORY OF RELIGIONS (3) TUTTLE
A study of religions and their "bibles" with special emphasis on the eight living religions of India and the Near East. Prerequisite: Philosophy 323. (2)

Faculty

- FRANK J. PROUT.....*President (April, 1939)**
 B. Litt., Ohio Wesleyan University; Ped.D., Ohio University, Ohio Wesleyan University.
- WILBUR J. ABELL.....*Associate Professor of Business Administration (1947)*
 B.S., James Millikin University; M.S., University of Illinois.
- JOHN LEO ABERNETHY.....*Associate Professor of Chemistry (1948)*
 A.B., University of California at Los Angeles; M.S., Ph.D., Northwestern University.
- GERALD ACKER.....*Assistant Professor of Biology (1946)*
 A.B., Allegheny College; M.S., University of Oklahoma.
- WILLIAM DON ALEXANDER.....*Assistant Professor of Music (1946)*
 B.S.M., Mount Union College; M.S., North Texas State College.
- WARREN S. ALLEN.....*Assistant Professor of Music (1946)*
 B.M., Southwestern College, Kansas; M.M., University of Michigan.
- HAROLD ANDERSON.....*Associate Professor of Health and Physical Education (1942)*
 A.B., Otterbein College; A.M., University of Michigan.
- IRIS E. ANDREWS.....*Assistant Professor of Health and Physical Education (1945)*
 B.S., Battle Creek College; M.A., University of Michigan.
- FRANK C. ARNOLD.....*Assistant Professor of Psychology (1948)*
 B.S., M.A., Ohio State University.
- ROBERT T. AUSTIN.....*Instructor in Industrial Arts (1946)*
 B.Ed., University of Toledo.
- FLORENCE E. BAIRD.....*Associate Professor of Foreign Language (1925)*
 B.S. in Education, Bowling Green State University; A.B., A.M., Ohio State University.
- RUSSELL N. BAIRD.....*Assistant Professor of Journalism (1947)*
 A.B., Kent State University; M.A., University of Wisconsin.
- VIRGIL R. BAKER.....*Assistant Professor of Geography and Geology (1947)*
 B.S., M.S., University of Nebraska.
- ISABEL BARKER.....*Instructor in Speech (1947)*
 B.S. in Education, Slippery Rock State Teachers College.
- LOIS E. BARR.....*Instructor in English (1946)*
 B.A., College of Wooster; M.A., Tufts College.
- CHARLES ALDEN BARRELL.....*Associate Professor of Political Science (1940)*
 A.B., Hampden Sydney College; A.M., University of Virginia; Ph.D., Ohio State University.
- JAMES ROBERT BASHORE, JR.....*Instructor in English (1948)*
 B.S., University of Wisconsin.
- ANTHONY B. BAYNARD.....*Assistant Professor of Foreign Language (1946)*
 B.A., University of Scranton; A.M., Columbia University.
- HENRIETTA BAYNARD.....*Instructor in Foreign Language (1947)*
 B.A., Capital University; M.A., Ohio State University.
- F. EUGENE BEATTY.....*Director of Services (1941)*
 B.S. in Business Administration, Bowling Green State University.
- BRUCE BELLARD.....*Instructor in Health and Physical Education (1948)*
 B.S. in Education, Bowling Green State University.
- FLORENCE E. BENDER.....*Assistant Professor of Home Economics (1944)*
 A.B., Goshen College; M.S. Purdue University.
- HENRY BERTODATTO.....*Instructor in Economics (1947)*
 B.Ed., Whitewater State Teachers College; M.A., Northwestern University.
- ELIZABETH L. BLACKBURN.....*Assistant Professor of Business Education (1947)*
 B.A., B.S. in Education, Ohio State University; M. Ed., University of Pittsburgh.
- ELEANOR M. BOETTKE.....*Instructor in Home Economics (1948)*
 B.S., Cornell University.

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

FACULTY

- WAYNE R. BOHRNSTEDT.....*Assistant Professor of Music (1947)*
 B.M., M.M., Northwestern University.
- ROBERT O. BONE.....*Assistant Professor of Art (1948)*
 B.S. in Education, University of Illinois; M.A., Columbia 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.F.A., University of Nebraska; M.A., University of Michigan.
- WINSHIP HAY BROWN.....*University Physician (1940)*
 A.B., Denison University; M.D., Sterling Loving Medical School, Ohio State University.
- HENRY W. F. BRUNS.....*Instructor in Mathematics (1946)*
 B.A., Defiance College; M.A., Bowling Green State University.
- JOSEPH C. BUFORD.....*Instructor in Geography and Geology (1948)*
 B.Ed., M.S. in Education, Illinois State Normal.
- JOHN W. BUNN.....*Registrar (1939)*
 A.B., DePauw University; M.A., Columbia University.
- CARROLL W. CHEEK.....*Instructor in Business Administration (1948)*
 B.S. in Business Administration, Bowling Green State University.
- EDWARD SCOTT CLAFLIN.....*Assistant Professor of Political Science (1947)*
 A.B., Oberlin College; M.A., Ph.D., Yale University.
- MARY VIRGINIA COCHRAN.....*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)*
 B.A., M.A., Ohio State University; Ed.D., New York University.
- EILEEN C. COLLIER.....*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 M. 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 E. COWGILL.....*Instructor in Engineering Drawing (1948)*
 M.E., Ohio State University.
- DANIEL J. CROWLEY.....*Professor of Graphic Arts (1919)*
 B.S., Columbia University; Ph.M., University of Wisconsin.
- JESSE J. CURRIER.....*Associate Professor of Journalism (1940)*
 A.B., Ohio Wesleyan University; A.M., Ohio State University.
- R. THELMA D'ALMAINE.....*Instructor in Biology (1946)*
 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 R. DAY.....*Instructor in Sociology (1948)*
 B.S., M.A., Washington State College.
- E. EUGENE DICKERMAN.....*Professor of Biology (1936)*
Director of the River Laboratory
- JACK R. DELORA.....*Instructor in Sociology (1948)*
 B.S. in Education, Bowling Green State University; M.A., Western Reserve.

- EMILY R. DERRER..... *Instructor in Music* (1948)
B.S. in Education, Bowling Green State University.
- MABEL E. DRENNAN..... *Assistant 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 ELLIS..... *Acquisition Librarian* (1948)
B.S. in Education, Ohio Northern University; B.S. in Library Science, Western Reserve University.
- MICHAEL F. ELLIS, JR..... *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.
- BARTON G. FETTERMAN..... *Instructor in Mathematics* (1946)
B.S. in Education, M.A., Ohio State University.
- MYLEN E. FITZWATER..... *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., Wofford College; M.A., Vanderbilt University; Ph.D., University of Iowa.
- DOROTHY L. FORNIA..... *Assistant Professor of Health and Physical Education* (1947)
B.S. in Education; M.A., Ohio State University.
- CECIL M. FREEBURNE..... *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. GASKILL..... *Instructor in Mathematics* (1947)
B.S. in Education, Trenton State Teachers College; M.A., University of Pennsylvania.
- JOHN E. GEE..... *Associate Professor of Education* (1946)
A.B., Tusculum College; M.Ed., D.Ed., University of Pittsburgh.
- RALPH H. GEER..... *Assistant Professor of Education* (1948)
Veterans' and New Students' Counselor
A.B., Defiance College; M.A., Ohio State University.
- MARTHA M. GESLING..... *Assistant Professor of Education* (1948)
A.B., Ohio Northern University; A.M., Ohio State University.
- SUE E. GESLING..... *Instructor in Business Administration* (1948)
B.S. in Business Administration, Bowling Green State University; M.S. in Business Administration, Northwestern University.
- ANNA N. GRITTING..... *Assistant Professor of Mathematics* (1927)
B.S., University of Minnesota; A.M., Columbia University.
- EARL C. HACKBARTH..... *Assistant Professor of Psychology* (1947)
B.S., State University of Iowa; M.S., Purdue University.
- LEE Z. HAFKIN..... *Instructor in Journalism* (1947)
Litt. B., New Jersey College for Women; M.S., Syracuse University.

- J. VILLASANA HAGGARD..... *Associate Professor of Foreign Language* (1947)
B.A., M.A., Ph.D., The University of Texas.
- W. HEINLEN HALL..... *Professor of Chemistry* (1936)
A.B., Muskingum College; Ph.D., Ohio State University.
- A. J. HAMMER..... *Associate Professor of Chemistry* (1946)
B.S., Parsons College; M.S., Ph.D., Iowa State College.
- HAROLD T. HAMRE..... *Assistant Professor of Biology* (1946)
B.S., M.S., University of Wisconsin.
- GEORGE M. HANKEY..... *Instructor in Business Education* (1946)
B.C.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. HARDING, JR..... *Instructor in Biology* (1948)
B.S., Central State College, Oklahoma; M.S., Oklahoma Agricultural and Mechanical College.
- RALPH G. HARSHMAN..... *Professor of Business Administration* (1936)
Dean, College of Business Administration
B.S. in Education, Ohio Northern University; A.M., Ph.D., Ohio State University.
- EVELYN C. HART..... *Instructor in English* (1944)
B.S. in Education, M.A., Bowling Green State University.
- DALE HAVEN..... *Associate Professor of Music* (1948)
B.S. in Music Education, M.A., Ohio State University.
- LOYD A. HELMS..... *Professor of Economics* (1938)
A.B., DePauw University; A.M., Ph.D., University of Illinois.
- HELEN W. HENDERSON..... *Associate Professor of Home Economics* (1925)
Ph.B., University of Chicago; A.M., Columbia University.
- LAURA E. HESTON..... *Professor of Home Economics* (1918)
B.S., Ohio State University; M.S., University of Chicago.
- J. LEVAN HILL..... *Associate Professor of Industrial Arts* (1948)
B.S. in Education, State Teachers College, Pennsylvania; M.Ed., Pennsylvania State College.
- JOSEPH E. HIMMEL..... *Assistant Professor of Music* (1947)
B.A., North Central College; M.M., Northwestern University.
- CLYDE HISSONG..... *Professor of Education* (1923)
B.S. in Education, Miami University; A.M., Columbia University; Ph.D., Ohio State University.
- FLOYD HOFACKER..... *Instructor in Industrial Arts* (1947)
B.S. in Education, Bowling Green State University.
- MAJOR WILLIAM F. HORTON..... *Assistant Professor of Military Science and Tactics* (1948)
B.S., United States Military Academy.
- MILOR R. HOWARD..... *Instructor in Business Education* (1948)
B.S., M.A., Bowling Green State University.
- ELEANOR E. HRUBY..... *Dietitian, Assistant Professor of Home Economics* (1948)
B.S., Ohio University; M.S., University of Washington.
- ROBERT ROGERS HUBACH..... *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.
- WAYNE SHAFER HUFFMAN..... *Associate Professor of History* (1938)
A.B., Findlay College; A.M., University of Michigan.
- LYNN HUTCHISON..... *Assistant Professor of Biology* (1946)
B.A., College of Wooster; M.A., Ohio University; Ph.D., Northwestern University.

- LAIRD E. ISENOGLE.....Assistant Professor of Geography and Geology (1948)
B.S. in Education, Kent State University.
- MYRTLE JENSEN.....Associate Professor of Music (1938)
B.M., St. Olaf College; B.M., American Conservatory; M.M., Eastman School of Music of the University of Rochester.
- MADGE E. JOHNSON.....Assistant Professor of Home Economics (1937)
B.S., University of Arkansas; A.M., Columbia University.
- PAUL W. JONES.....Assistant Professor of Journalism (1941)
Director of News Bureau
A.B., Ohio Wesleyan University.
- WILLIAM C. JORDAN.....Associate Professor of Education (1925)
B.S. in Education, A.M., Ohio State University.
- JOHN M. JOSEPH.....Instructor in Biology (1948)
B.S., Allegheny College; M.A., Bowling Green State University.
- HOWARD H. KANE.....Assistant Professor of Business Administration (1946)
B.S. in Commerce and Finance, University of Dayton; B.S. in Education, M.A., Ohio State University.
- LOWRY B. KARNES.....Associate Professor of Geography and Geology (1945)
A.B., Muskingum College; M.A., Ph.D., Ohio State University.
- JAMES PAUL KENNEDY.....Professor of Music (1936)
Director of Choral Activities
A.M., William Penn College; B.M.Ed., M.M., Northwestern University; Ph.D., University of Iowa.
- MARIETTA KERSHNER.....Instructor in Art (1947)
B.S. in Education, Bowling Green State University.
- RUTH KILMER.....Periodicals Librarian (1947)
B.S. in Education, Duquesne University; B.S. in Library Science, Western Reserve University.
- RUBY L. KING.....Documents Librarian (1928)
B.A., Hillsdale College; B.A. in Library Science, University of Michigan.
- PHILIP ALFRED KINT.....Instructor in Chemistry (1947)
A.B., Findlay College; M.S., Ohio State University.
- EDWIN G. KNEPPER.....Professor of Business Education (1923)
A.B., B.S. in Education, Ohio State University; Ed.D., Harvard University.
- DAVID M. KRABILL.....Associate Professor of Mathematics (1946)
B.A., College of Wooster; M.A., Ph.D., Ohio State University.
- HENRY KRAUSE.....Instructor in Engineering Drawing (1948)
A.B., Western Michigan College.
- ERVIN J. KREISCHER.....Business Manager (1937)
B.S. in Education, Bowling Green State University.
- ESTON D. KRIEGER.....Assistant Professor of Music (1948)
B.S., University of Cincinnati; M.M., Cincinnati Conservatory of Music.
- CHARLES J. LAKOFSKY.....Instructor in Art (1948)
B.F.A., Alfred University; M.A., Ohio State University.
- PAUL F. LEEDY.....Professor of English (1938)
Librarian
A.B., A.B. in Library Science, A.M., Ph.D., University of Michigan.
- LLOYD G. LEITER.....Assistant Professor of Engineering Drawing (1947)
B.S., Bowling Green State University; M.A., Columbia University.
- LOWELL P. LELAND.....Assistant Professor of English (1946)
B.A., Colby College; M.A., University of Maine; Ph.D., Ohio State University.
- VIRGINIA E. LELAND.....Instructor in English (1948)
A.B., Carson-Newman; A.M., Ph.D., Chicago University.
- HERSCHEL LITHERLAND.....Professor of Education (1941)
Dean, College of Education
A.B., Greenville College; A.M., University of South Dakota; Ph.D., University of Cincinnati.

- SAMUEL HARMAN 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.
- REA MCCAIN.....Professor of English (1914)
A.B., National Normal University; A.B., Antioch College; A.M., Columbia University; Ph.D., New York University.
- ADELINE E. MCCLELLAND.....Assistant Professor of Speech (1946)
B.S., Slippery Rock State Teachers College; M.Ed., Pennsylvania State College.
- ROBERT STANLEY MCCORDOCK.....Associate Professor of History (1947)
A.B., Syracuse University; M.A., University of Buffalo; Ph.D., Columbia University.
- VIVIAN G. MCCRAVEN.....Assistant Professor of Psychology (1948)
A.B., M.A., Washington University.
- MERRILL C. MCEWEN.....Professor of Music (1921)
B.S. in Education, Columbia University; A.M., Ohio State University.
- KENNETH H. MCFALL.....Professor of Psychology (1943)
Dean, College of Liberal Arts
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)
- 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.
- JAMES B. McQUOWN.....Associate Professor of Education (1947)
B.S., Bethany College; M.A., Ph.D., Ohio State University.
- ERNESTINA MALNATT.....Instructor in Home Economics (1948)
B.S. in Home Economics, Cornell University.
- LEWIS F. MANHART.....Associate Professor of Business Administration (1937)
B.S. in Education, Bowling Green State University; A.M., Ohio State University.
- PATRICIA F. MANN.....Instructor in Speech (1946)
B.A., Baldwin-Wallace College; M.A., Western Reserve University.
- ANN MARLEY.....Assistant Professor of Music (1948)
B.M., Cosmopolitan School of Music; M.M., Northwestern University.
- FEED E. MARSH.....Associate Professor of Health and Physical Education (1940)
B.S. in Education, Bowling Green State University; A.M., Columbia University.
- CLARE S. MARTIN.....Professor of Chemistry (1923)
B.S., A.M., Ph.D., Ohio State University.
- HARRY R. MATHIAS.....Associate Professor of Mathematics (1931)
A.B., Indiana Central College; A.M., Indiana University.
- DAVID MATTHEWS.....Instructor in Health and Physical Education (1947)
B.S., M.S., University of Michigan.
- BARBARA MATZ.....Instructor in Music (1948)
B.M., Eastman School of Music of the University of Rochester.
- SAMUEL M. MAYFIELD.....Associate Professor of Geography and Geology (1936)
B.S., A.B., Berea College; Ph.D., University of Chicago.
- RALPH E. MEAD.....Assistant Professor of Speech (1947)
B.A., Wooster College; M.A., University of Michigan.
- JOHN N. MEIGHAN.....Assistant Professor of Mathematics (1947)
A.B., Hillsdale College; M.S., University of Michigan.
- AUDREY E. MEISTER.....Instructor in Chemistry (1947)
B.S., Kent State University.
- CORNELIA COLTON MENGES.....Assistant Professor of Art (1943)
B.S. in Education, A.M., Ohio State University.

- VIRGINIA MERRELL..... *Library Circulation Manager* (1947)
B.A., Bowling Green State University.
- FRANK G. MESERVE..... *Associate Professor of Biology* (1945)
A.B., University of Nebraska; M.A., Northwestern University; Ph.D., University of Nebraska.
- FRANK L. MIESLE..... *Instructor in Speech* (1948)
B.A., M.A. Bowling Green State University.
- M. HAROLD MIKLE..... *Assistant Professor of Speech* (1947)
A.B., Western Michigan College; M.A., University of Michigan.
- I. WILLIAM MILLER..... *Director of the Bureaus 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.
- HARVEY D. MINER..... *Instructor in Industrial Arts* (1947)
B.S. in Education, Bowling Green State University; M.Ed., Ohio University.
- JOHN K. MIRE..... *Instructor in Journalism* (1947)
B.S. in Journalism, Ohio State University; M.A., Bowling Green State University.
- EVE MOCEK..... *Instructor in Sociology* (1948)
B.S. in Education, Clarion State Teachers College; M.A., Ohio University.
- OWEN D. MONTGOMERY..... *Assistant Professor in Business Education* (1946)
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 EVELYN MOULTON..... *Instructor in English* (1946)
A.B., 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 E. MUNTZ..... *Instructor in English* (1945)
B.A., M.A., Ohio State University.
- ORRA IRENE MUTER..... *Instructor in Business Education* (1948)
B.S., Ferris Institute; 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.Litt., University of Cambridge.
- LEE N. NEWCOMER..... *Assistant Professor of History* (1947)
A.B., DePauw University; M.A., Ohio State University.
- ROSALYN R. NEWCOMER..... *Instructor in Health and Physical Education* (1946)
B.S. in Education, Bowling Green State University.
- A. EVALD 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., A.M., University of Nebraska.
- MAURICE NIELSEN..... *Assistant Professor of Philosophy* (1948)
B.A., Linfield College; S.T.B., Ph.D., Harvard University.
- BERNARD FREDERICK NORDMANN..... *Professor of History* (1929)
A.B., Leland Stanford University; A.M., Ph.D., University of Illinois.
- PAULA NYSSONEN..... *Instructor in English* (1947)
B.A., Cleveland College, Western Reserve University; M.A., Western Reserve University.
- FRANSUE OAGLEY..... *Instructor in Foreign Language* (1948)
A.B., Baldwin-Wallace College.

- HAROLD B. OBEE..... *Instructor in Speech* (1946)
A.B., Adrian College; M.A., Ohio State University.
- FLORENCE S. OGG..... *Instructor in Mathematics* (1938)
B.S. in Education, Eastern Illinois State Teachers College; A.M., University of Illinois.
- FRANK CHAPPELL OGG..... *Professor of Mathematics* (1931)
A.B., University of New Mexico; A.M., Ph.D., University of Illinois.
- NELLIE A. OGLE..... *Associate Professor of Business Education* (1926)
A.B., University of Iowa; A.M., University of Chicago.
- JAMES F. O'NEILL..... *Instructor in Economics* (1948)
B.A., Baldwin-Wallace College; M.A., Miami University.
- CHARLES H. OTIS..... *Professor of Biology* (1930)
A.B., Ph.D., University of Michigan.
- DOROTHY E. OTTERMAN..... *Instructor in English* (1948)
A.B., Flora Stone Mather College; M.A., Western Reserve University.
- JAMES ROBERT OVERMAN..... *Professor of Mathematics* (1914)
Dean Emeritus, College of Liberal Arts
A.B., Indiana University; A.M., Columbia University; Ph.D., University of Michigan.
- HERBERT J. OYER..... *Instructor in Speech* (1948)
A.B., Bluffton College.
- CLYDE C. PARKER..... *Assistant Professor of Journalism* (1945)
A. B., B.J., University of Missouri; M.A., Colorado State College of Education.
- BERYL MARGARET PARRISH..... *Instructor in English* (1946)
B.S. in Education, M.A., Ohio State University.
- ANN H. PARTHUM..... *Instructor in Home Economics* (1947)
B.S. in Education, Bowling Green State University.
- ALMA J. PAYNE..... *Instructor in English* (1946)
B.A., Wooster College; M.A., Western Reserve University.
- CLAUDE D. PERRY..... *Registrar Emeritus* (1923)
A.B., Ohio Wesleyan University.
- DONALD C. PETERSON..... *Instructor in Journalism* (1948)
B.J., University of Missouri.
- RUTH C. PICKUP..... *Assistant Professor of Business Administration* (1948)
B.S., Northwestern University; M.Ed., University of Buffalo.
- BENJAMIN L. PIERCE..... *Professor of Business Administration* (1939)
A.B., Oberlin College; A.M., Columbia University; J.D., University of Michigan.
- WANDA PITMAN..... *Instructor in Music* (1946)
B.M., B.M. in Education, Oberlin Conservatory of Music.
- GROVER C. PLATT..... *Associate Professor of History* (1946)
B.A., Iowa University; M.A. Tufts College; Ph.D., Iowa University.
- VIRGINIA BEVER PLATT..... *Assistant Professor of History* (1947)
B.A., University of Washington; M.A., University of California; Ph.D., University of Iowa.
- EARL CLAIR POWELL..... *Associate Professor of Industrial Arts* (1923)
B.S., A.M., Ohio State University.
- MARTHA E. PURDOM..... *Associate Professor of Home Economics* (1944)
B.S., Ohio State University; M.S., University of California at Los Angeles.
- JOHN K. RANEY..... *Assistant Professor of Engineering Drawing* (1939)
B.Arch., Ohio State University.
- ESKO KAIN RENTOLA..... *Instructor in Art* (1947)
B.P.A., M.F.A., State College of Washington.
- Cecil L. REW..... *Associate Professor of Foreign Language* (1935)
Ph.B., University of Chicago; A.M., Ph.D., University of Illinois.
- EARL RICHARDS..... *Instructor in Art* (1947)
B.S. in Education, Western Reserve University; M.A. in Art Education, State University of Iowa.
- SYLVIA RICHARDS..... *Reference Librarian and Instructor in Library Science* (1947)
B.A., Ohio Wesleyan University; M.A., Ohio State University.

- ROBERT D. RICHEY.....Instructor in Speech (1948)
B.A., M.A., Ohio State University.
- ROBERT G. RIEGLE.....Instructor in Business Law (1947)
B.S. in Education, Bowling Green State University; L.L.B., Ohio State University.
- EARL A. ROTH.....Associate Professor of Business Education (1947)
B.S., M.A., Ohio State University.
- HOWARD W. SAMMETINGER.....Instructor in Chemistry (1946)
B.S., Bowling Green State University.
- ALLAN SAWDY.....Instructor in Health and Physical Education (1944)
B.S., Michigan State Normal College.
- KENNETH H. SCHAUWEKER.....Instructor in Graphic Arts (1948)
B.S. in Business Administration, Bowling Green State University.
- WILLIAM E. SCHLENDER.....Assistant Professor of Business Administration (1947)
A.B., Valparaiso University; M.B.A., University of Denver.
- WILLIAM F. SCHMELTZ.....Assistant Professor of Business Administration (1947)
B.B.A., University of Toledo; M.B.A., Harvard Graduate School of Business Administration.
- †ALICE SCHOCKE.....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 Saint Mary College; B.S., Simmons College.
- CLIFFORD BYRON SHIPLEY.....Associate Professor of Business Education (1947)
B.S., Baker University; M.A., University of Michigan; Ed.D., Columbia University.
- EMERSON C. SHUCK.....Professor of English (1943)
Director of the Graduate School
B.S., Otterbein College; A.M., Ohio State University; Ph.D., University of Wisconsin.
- BERTEL G. F. SIMA.....Assistant Professor of Foreign Language (1946)
B.A., Stockholm Nya Elementar; M.A., Ph.D., University of Leipzig.
- WILLARD 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 (1940)
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.
- WALDO 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., A.M., Miami University.
- HUBERT P. STONE.....Reference Librarian and Instructor in Library Science (1946)
A.B., Ohio Northern University; B.S. in Library Science, Western Reserve University; A.M., Oberlin College.
- SIDNEY 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.Ed., University of Cincinnati.
- C. GLENN SWANSON.....Professor of Sociology (1934)
A.B., A.M., Colorado Teachers College; Ph.D., New York University.
- HOWELL 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.
- MAE A. TINDALL.....Assistant Professor of Home Economics (1941)
B.A., Willamette University; M.A., Columbia University.
- THEODORE W. TITGEMEYER.....Instructor in Mathematics (1947)
B.S. in Education, Bowling Green State University.
- AMY TORGERSON.....Instructor in Health and Physical Education (1947)
B.S., Central Missouri State Teachers College; M.A., New York University.
- ROLAND M. TORGERSON.....Associate Professor of Industrial Arts (1947)
B.S., M.A., University of Minnesota.
- ARTHUR B. TRELSTAD.....Instructor in Sociology (1948)
B.A., Hofstra College; M.A., New York University.
- BETTY JEAN TROEGER.....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. TWYMAN.....Assistant Professor of History (1948)
A.B., Indiana University; M.A., University of Chicago.
- HARMON VOSKUIL.....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.
- ROZANNE WARRICK.....Instructor in Chemistry (1948)
B.S., Mary Manse College; M.S., University of Detroit.
- ELLIOTT WEBER.....Associate Professor of Chemistry (1937)
A.B., A.M., Ph.D., Indiana University.
- WILLIAM J. WEIERSHEUSER.....Assistant Professor of Foreign Language (1947)
A.B., Wayne State Teachers College; A.M., University of Nebraska.
- LES M. WELLOCK.....Assistant Professor of Health and Physical Education (1948)
B.S., Michigan State Normal College; M.S., University of Michigan.
- KEN EVERETT WENRICK.....Associate Professor of Psychology (1947)
B.A., M.A., Ph.D., Ohio State University.
- ROBERT H. WHITTAKER.....Assistant Professor of Health and Physical Education (1941)
B.S., Miami University; M.A., Bowling Green State University.
- E. ELOISE WHITWER.....Assistant Professor of Biology (1946)
A.B., Grand Island College; M.A., University of Nebraska.
- PELIP R. WIGG.....Instructor in Art (1948)
B.A., Park College; M.F.A., University of Iowa.
- GREY KENYON WILDER.....Dean of Women (1941)
A.B., Albion College; A.M., Columbia University.
- ALLEN V. WILEY.....Assistant Professor of Economics (1946)
A.B., M.A., Lafayette College.
- VELA WILLEKE.....Instruction in English (1946)
B.S. in Education, Ohio Northern University; M.A., University of Michigan.

† On leave of absence.

CLARA JOAN WILLIAMS.....	Instructor in English (1947)
A.B., M.A., Boston University.	
FLORENCE J. WILLIAMSON.....	Professor of Education (1926)
A.B., Cedarville College; A.M., Ph.D., Ohio State University.	
E. HARRY WOHLER.....	Assistant Professor of Mathematics (1946)
A.B., Wittenberg College; M.A., University of Toledo.	
JAMES CLYDE WRIGHT.....	Assistant Professor of Psychology (1947)
B.A., Muskingum College; M.A., Ohio State University.	
HADLEY YATES.....	Assistant Professor of Music (1946)
B.M., M.M., Northwestern University.	
MARGARET YOCOM.....	Associate Professor of Library Science (1929)
A.B., Oberlin College; B.S. in Library Science, Western Reserve University.	
CHARLES W. YOUNG.....	Associate Professor of Education (1945)
B.A., Ohio Wesleyan University; M.A., Ph.D., Ohio State University.	
WALTER A. ZAUGG.....	Professor of Education (1923)
University Orator	
A.B., Valparaiso University; A.B., Indiana University; A.M., Columbia University; Ph.D., New York University.	
DOROTHY Zietz.....	Assistant Professor of Sociology (1947)
B.S., Illinois Institute of Technology; M.S.W., Loyola University.	
ARTHUR ZUELZKE.....	Assistant Professor of Music (1944)
B.S., University of Cincinnati.	

Part-Time Appointments

DOROTHY H. ABELL, B.S., M.A.....	English
DUDLEY R. AVERY, A.B., L.L.B.....	Business Administration
THOMAS CURTIS, A.B., S.T.B.....	Music
EDNA GRAMLY.....	Health and Physical Education
MARJORIE C. KREISCHER, B.S. in Education, M.A.....	English
DOROTHY M. LUEDTKE, B.S.....	Health and Physical Education
ELIZABETH A. MENZI, B.A.....	Health and Physical Education
MARIE C. S. McLENNAND, A.B., M.A.....	English
DALE R. McOMBER, B.S. in Education.....	Political Science
JOHN NAGY, B.A.....	Speech
DOROTHY F. NEWCOMER, A.B., M.A.....	Speech
CLAUDE E. OTTO, B.A., L.L.B.....	Business Administration
JAMES WHITTAKER.....	Assistant Coach
RAY WHITTAKER.....	Health and Physical Education

Graduate Assistants

DARRELL F. ALLISON.....	Biology
ROBERT J. BALSKE.....	Biology
CHARLES I. BILL.....	Economics
ELDON F. BOCK.....	Business Administration
JAMES G. BOND.....	Psychology
MARTA C. CLAVEL.....	Foreign Language

VIRGINIA A. CROCKETT.....	Speech
MILDRED D. DAVIS.....	English
HOWARD DE LANCY.....	Business Education
GEORGE W. EIDNESS.....	History
RONALD W. EMMITT.....	Biology
BERT FLEITZ.....	Industrial Arts
PHYLLIS ANN FOLTS.....	English
SIDNEY L. FREEMAN.....	English
VERNON G. GRAHAM.....	Physics
EVELYN M. GRONBERG.....	Speech
HERBERT R. HENGST.....	History
PATRICIA J. HOWELL.....	Speech
MARY MARJORY HUMMAN.....	Education
MICHAEL S. HOSHIO.....	Psychology
WARREN XAVER ISON.....	History
CHARLES H. JOHNSTON, JR.....	Biology
RICHARD L. KAISER.....	Psychology
EUGENE W. KANSKY.....	Biology
C. EDWIN KEMP.....	Speech
DARYL E. KNEPPER.....	Geography and Geology
ROBERT W. LEIMAN.....	Health and Physical Education
THOMAS F. LLOYD.....	Health and Physical Education
HAROLD M. MERRILLAT.....	Political Science
PATRICIA H. MIESLE.....	Speech
WALTER C. MILLER.....	Business Education
CHARLES C. MINCH.....	Economics
CORALIA MONTANARO.....	Foreign Language
SEYMOUR W. PUSTILNIK.....	Mathematics
LESTER C. ROIG, JR.....	Economics
GRAYCE M. SCHOLT.....	English
WILLIAM H. SHERMAN.....	English
CHARLES E. SILVER.....	Psychology
JEAN STARR.....	Business Education
DONALD R. STREIBIG.....	Speech
DAVID D. THOMPSON.....	Speech
JOHN F. WELLS.....	Psychology
MARY C. WELLS.....	Philosophy
DOROTHEA B. WILEY.....	Sociology

University and Affiliated Laboratory Schools

Administrative Officers

- HERSCHEL LITHERLAND, 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. MCQUOWN.....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 E. 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., Willamette University; M.A., Columbia University.
 VELMA BISHER.....Assistant Teacher, Kindergarten (1947)
 HELEN MORROW LLOYD.....Teacher, First Grade (1947)
 B.S., Bowling Green State University.
 ENNA PIGG.....Supervising Teacher, Second Grade (1932)
 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.
 ELSIE 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 J. 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. ZAHREND.....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.
 MARVALENE 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

- VIVIAN CRAUN.....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 CLARKE.....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 EDGINGTON.....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.
 JOANN HAYNE.....Supervising Teacher, Home Economics (1945)
 B.S. in Education, Bowling Green State University.
 ROBERT HEIGHBERGER.....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.
 ELIZABETH E. INMANN.....Supervising Teacher, Science (1929)
 B.S. in Education, A.M., Ohio State University.
 JOHN J. KLEINFELTER.....Supervising Teacher, Social Science (1931)
 A.B., Heidelberg College; A.M., Ohio State University.
 LAURABEL MOONEY.....Supervising Teacher, Physical Education (1941)
 B.S. in Education, Ohio State University.
 REX MOORHEAD.....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.
 FERRIS W. MYRICE.....Supervising Teacher, Science (1929)
 A.B., Defiance College; A.M., Ohio State University.
 NELLIE M. RANDALL.....Supervising Teacher, English (1929)
 B.S. in Education, Bowling Green State University; A.M. Columbia University.
 JEAN SAMPSON.....Supervising Teacher, Mathematics (1948)
 B.S. in Education, Bowling Green State University.
 HAZEL V. UNDERHILL.....Supervising Teacher, English (1930)
 A.B., Michigan State Normal; A.M., University of Michigan.
 RICHARD VAN ALLEN.....Supervising Teacher, Mathematics (1946)
 B.A., Findlay College; M.S., Bowling Green State University.
 WILLIAM H. WEESTON.....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.
 ESTHER 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., Otterbein College; A.M., Ohio State University.	
FORREST CREASON.....	Supervising Teacher, Physical Education (1943)
A.B., Findlay College; M.S., Bowling Green State University.	
KENNETH C. DOERING.....	Supervising Teacher, Business Education (1939)
B.S., Bowling Green State University; M.A., Columbia University.	
JAMES R. GRABILL.....	Supervising Teacher, Instrumental Music (1948)
A.B., Oberlin College; M.A., Ohio State University.	
WILMA GRANGER.....	Supervising Teacher, Speech and Hearing Therapy (1948)
B.S. in Education, Bowling Green State University.	
ESTHER HAYHURST.....	Supervising Teacher, History (1938)
B.S. in Education, Bowling Green State University; A.M., University of Michigan.	
RUBY D. LEVIER.....	Supervising Teacher, Art (1928)
B.S., M.A., Ohio State University.	
VIRGINIA A. MALLORY.....	Supervising Teacher, English (1944)
A.B., Wittenberg College; M.A., Ohio State University.	
HAZEL 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 (1923)
B.S. in Education, Bowling Green State University; M.A., Ohio State University.	
DONALD G. ORGAN.....	Supervising Teacher, Science (1926)
B.S., Wilmington College; M.A., University of Cincinnati.	
WARREN F. OTT.....	Supervising Teacher, Physical Education (1937)
B.S., Miami University; M.A., Columbia University.	
W. A. RIDER.....	Supervising Teacher, Business Education (1931)
B.S. in Education, Bowling Green State University; M.B.A., Ohio State University.	
MARGARET A. ROBSON.....	Supervising Teacher, Latin (1916)
A.B., Oberlin College; A.M., Columbia University.	
RAYMOND RUBRAKE.....	Supervising Teacher, Spanish, History (1924)
A.B., Marietta College; A.M., Ohio State University.	
KATHERINE M. RUH.....	Supervising Teacher, Physical Education (1928)
B.S. in Education, M.A., Ohio State University.	
FRANKLIN G. SKIBBIE.....	Supervising Teacher, Social Problems (1926)
B.S. in Education, Bowling Green State University; A.M., Columbia University.	
HARRY O. 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 YOUREE.....	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

Food Managers

MRS. MAYME HERRIFF.....	Manager, Commons
ELEANOR HRUBY.....	Dietician, Williams Hall
MRS. E. J. OYER.....	Assistant Food Manager
MRS. WILLIAM WRIGHT.....	Manager, Student Union

Hospital Staff

ROBERTA BROUSE, R.N.	MILDRED HOOPER, R.N.
HELEN MARSH CRAMER, R.N.	MARIE SEKINGER
MINNIE HARRIS, R.N.	THELMA STEVENSON, R.N.
EDYTHE WALL, R.N.	

House Directors

MRS. EDITH P. ARTHUR.....	Kappa Sigma
MRS. SAMUEL COOPER.....	Delta Gamma
MRS. LUCILE A. CULBERT.....	Alpha Phi
MRS. MARIE DIRK.....	W. I. S.
MRS. EVA FARMER.....	Gamma Phi Beta
MRS. EDITH FISHER.....	Kappa Delta
MRS. BERNICE FOLTZ.....	Pi Kappa Alpha
MRS. CECIL M. FREEBURNE.....	Alpha Xi Delta
MRS. LILLIAN GERNERT.....	Chi Omega
MRS. BETTY HARDING.....	Women's Building
MRS. SUE HATFIELD.....	Kohl Hall
MRS. ESTHER B. HAYNE.....	Sigma Nu
MRS. JOSEPHINE JAMES.....	Williams Hall
MRS. ESTON KREIGER.....	Sigma Rho Tau
MRS. EDWIN KUHN.....	Sigma Chi
MRS. T. ELSIE LEHMANN.....	Alpha Gamma Delta
MRS. HELEN E. LLOYD.....	Alpha Tau Omega
MRS. EVERETT MYERS.....	Theta Phi
MRS. HELEN B. RHONEHOUSE.....	Shatze! Hall
MRS. KATHERYN SIMPSON.....	Phi Mu
MRS. JOHN SMITH.....	Alpha Chi Omega
MRS. MARIE B. THOMPSON.....	Delta Tau Delta
MRS. WILLARD WANKELMAN.....	Phi Delta

Maintenance Department

WILBUR H. BANKE.....	Storekeeper
JOAN CROWLEY.....	Graphic Arts
HARRY REITER.....	Director of Shops
RANDOLPH M. RONK.....	Chief Maintenance Engineer
CARL H. STANLEY.....	Assistant Maintenance Engineer
JAMES SYNNAMEON.....	Chemistry Stockroom Manager

Reserve Officers' Training Corps

LOUIS M. BURKUS, M/Sgt.....	Sergeant Major
NORMAN J. LASATER, M/Sgt.....	Supply Sergeant
HASCAL D. GENTRY, Cpl.....	Maintenance

- *409 (402)—ADVANCED CALCULUS (3) KRABILL
Selected topics in advanced calculus. Prerequisite: Mathematics 202. Offered in 1950-51 and in alternate years. (1)
- *410—ADVANCED CALCULUS (3) KRABILL
Continuation of Mathematics 409. Prerequisite: Mathematics 409. Offered in 1950-1951 and in alternate years. (2)
- *412—VECTOR ANALYSIS (3) KRABILL
Vector and scalar algebra and geometry; differentiation, integration, and differential operators; general coordinates; harmonic functions; potentials; applications to electric theory and hydro-dynamics. Prerequisite: Mathematics 202 and Physics 201 or permission of the instructor. Offered in 1950-51 and alternate years. (2)
- 510—INTRODUCTION TO THE THEORY OF FUNCTIONS OF A COMPLEX VARIABLE (3) KRABILL
The algebra of complex numbers and their geometric representation; properties of analytic functions; conformal mapping; infinite series; theory as developed by Cauchy, Riemann, and Weierstrass. (1)
- 511—FUNCTIONS OF A COMPLEX VARIABLE (3) KRABILL
A continuation of Mathematics 510. Prerequisite: Mathematics 510. (2)
- 520—MODERN ALGEBRA (3) OGG
An introductory course in higher algebra. (1)
- 521—MODERN ALGEBRA (3) OGG
A continuation of Mathematics 520. Prerequisite: Mathematics 520. (2)
- 530—ALGEBRAIC GEOMETRY (3) OGG
Plane algebraic curves, transformations, and invariants. Offered in summer
- 531—ALGEBRAIC GEOMETRY (3) OGG
Curves and surfaces in three dimensions, transformations, and invariants. Offered in summer
- 540—THEORY OF GROUPS (3) OGG
Finite groups. Applications to algebra and geometry. Offered in summer
- 541—THEORY OF GROUPS (3) OGG
A continuation of Mathematics 540. Prerequisite: Mathematics 540. Offered in summer
- 599—MASTER'S THESIS (3) GRADUATE STAFF
Students working upon their master's theses in mathematics are required to register for this course. (1, 2)

Music

Professors McEwen (chairman), Kennedy; Associate Professors Fauley, Haven, Jensen, Spangler; Assistant Professors Alexander, Allen, Bohrnstedt, Himmel, Krieger, Marley, Yates, Zuelzke; Instructors Dennis, Derrer, Ecker, Matz, McLaughlin, Pitman, Troeger; Mr. Curtis.

COURSES IN THEORY, HISTORY, AND APPRECIATION

- *101—SIGHT SINGING AND EAR TRAINING (2) ALEXANDER
Fundamental principles of pitch and rhythm as a basis for solfeggio. Dictation for oral and written response. Four hours a week. (1)

- *102—SIGHT SINGING AND EAR TRAINING (2) ALEXANDER
A continuation of Music 101. Four hours a week. Prerequisite: Music 101. (2)
- *103—NOTATION AND THEORY (2) BOHRNSTEDT, YATES
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 parallel. (1)
- *104—MELODY WRITING AND ELEMENTARY FORM (2) BOHRNSTEDT, YATES
Tone tendencies. Melodies in the smallest forms from the motive through the three-part song forms. Three hours a week. Prerequisite: Music 103. Music 102 must be taken as parallel. (2)
- *107 (307)—ELEMENTARY CONDUCTING AND TERMINOLOGY (1) ECKER, PITMAN, ZUELZKE
Basic terms and signs. Fundamental conducting techniques. (1)
- *108—INTERMEDIATE CONDUCTING AND TERMINOLOGY (1) ECKER, PITMAN, ZUELZKE
A continuation of Music 107. Prerequisite: Music 107. (2)
- *201—SIGHT SINGING AND EAR TRAINING (2) ALEXANDER, MCEWEN
Prepared and sight-reading of advanced choral material. Melodic and harmonic dictation. Four hours a week. Prerequisite: Music 102. (1)
- *202—SIGHT SINGING AND EAR TRAINING (2) ALEXANDER, MCEWEN
A continuation of Music 201. Four hours a week. Prerequisite: Music 201. (2)
- *205 (206)—HARMONY (2) JENSEN
Four-part writing, harmonic dictation, keyboard. Prerequisite: Music 104 or equivalent. (1)
- *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, modulation, contrapuntal harmony. Keyboard improvisation. Prerequisite: Music 206. (1)
- *304 (205)—ANALYSIS OF FORM (2) JENSEN
Analysis of the larger forms of musical composition. Prerequisite: Music 303 or equivalent. (2)
- *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) BOHRNSTEDT
An analysis course in recent and contemporary music. Prerequisites: Music 304, 306. (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) BOHRNSTEDT
Scoring for orchestral choirs and ensembles and full orchestra. Prerequisite: Music 304. (1)
- *316—COMPOSITION (2) BOHRNSTEDT
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 306. 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 305 and 306. 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) ZUELZKE
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, wood 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.

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 courses 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.

RECITAL 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
- *135—BRASS CLASS (1) PITMAN
- *136—CORNET CLASS (1) PITMAN
- *145—WOODWIND CLASS (1) ZUELZKE
- *147—CLARINET AND FLUTE CLASS (1) ECKER, ZUELZKE
- *185-186—STRING CLASS (2) ALEXANDER
- *187-188—VIOLIN CLASS (2) ALEXANDER
- *131, *132, *231, *232, *331-334—BRASS INSTRUMENTS (1 or 2 each) PITMAN
- *141, *142, *241, *242, *341-344—WOODWIND INSTRUMENTS (1 or 2 each) ECKER, ZUELZKE
- *161, *162, *261, *262, *361-364—PIANO (1 or 2 each)
BOHRNSTEDT, HAVEN, JENSEN, MARLEY, SPANGLER, TROEGER, YATES
- *171, *172, *271, *272, *371-374—VOICE (1 or 2 each)
ALLEN, FAULEY, HIMMEL, KREIGER, MATZ
- *181, *182, *281, *282, *381-384—STRINGED INSTRUMENTS (1 or 2 each)
ALEXANDER, DERRER, McLAUGHLIN
- *191, *192, *291, *292, *391-394—ORGAN (1 or 2 each) CURTIS
- *235—FRENCH HORN CLASS (1) PITMAN
- *236—TROMBONE CLASS (1) PITMAN
- *246—OBOE AND BASSOON CLASS (1) ECKER
- *285—CELLO AND BASS CLASS (1) ALEXANDER, DERRER

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 (½ 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)

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. (1, 2)

STAFF

Military Science and Tactics (ROTC)

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

*101, 102—MILITARY SCIENCE AND TACTICS I (1st year basic; 2 each semester)

TAYLOR

Military organization; hygiene and first aid; leadership, drill and exercise of command; individual weapons and marksmanship; maps and aerial photographs; National Defense Act and ROTC. Laboratory fee, \$1.00 per semester. (1, 2)

*201, 202—MILITARY SCIENCE AND TACTICS II (2nd year basic; 2 each semester)

TAYLOR

Leadership, drill, and exercise of command; physical development methods; maps and aerial photographs; military administration; evolution of warfare; military law and boards. Prerequisite: Military Science 102 or veteran with minimum of one year active duty. Laboratory fee, \$1.00 per semester. (1, 2)

*301, 302—MILITARY SCIENCE AND TACTICS III (1st year Advance; 3 each semester)

HORTON

Military leadership, psychology, and personnel management; leadership. Drill, and exercise of command; geographical foundation of national power; military law and boards; tactics and technique of field artillery. Prerequisite: Military Science 202 or active duty of comparable nature of one year or more. Laboratory fee, \$1.00 per semester. (1, 2)

*401, 402—MILITARY SCIENCE AND TACTICS IV

(2nd year Advance; 3 each semester)

LUCAS

Command and staff; military teaching methods; psychological warfare; military problems of the United States; leadership, drill, and exercise of command; military mobilization and demobilization; combat intelligence; tactics and technique of field artillery. Prerequisite: Military Science 302. Laboratory fee, \$1.00 per semester. (1, 2)

Philosophy

Associate Professor Tuttle (chairman); Assistant Professor Nielsen.

*201—INTRODUCTION TO PHILOSOPHY (3)

STAFF

A study of the methods and problems of philosophy in relation to contemporary institutions. (1, 2)

*202 (302)—ETHICS (3)

NIELSEN

A study of the nature and meaning of "Good," and its application in business, professional, personal, and social attitudes and behavior. (2)

*204—AESTHETICS (3)

TUTTLE

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. (2)

*206 (311)—PROBLEMS OF PHILOSOPHY (3)

NIELSEN

A more extended study of some of the fundamental and persistent philosophical problems treated in Introduction to Philosophy. Prerequisite: Philosophy 201. (2)

*301—LOGIC (3)

NIELSEN

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. (1)

*315—SEVENTEENTH CENTURY PHILOSOPHY (3)

NIELSEN

A consideration of the great philosophical systems of the period, emphasizing the thought of Descartes, Spinoza, and Leibnitz. Prerequisite: Philosophy 201, or permission of instructor. (1)

*321 (203)—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. (1)

*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. (2)

*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. (1)

*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. (2)

*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. (2)

*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. (2)

*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. (1)

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. (1)