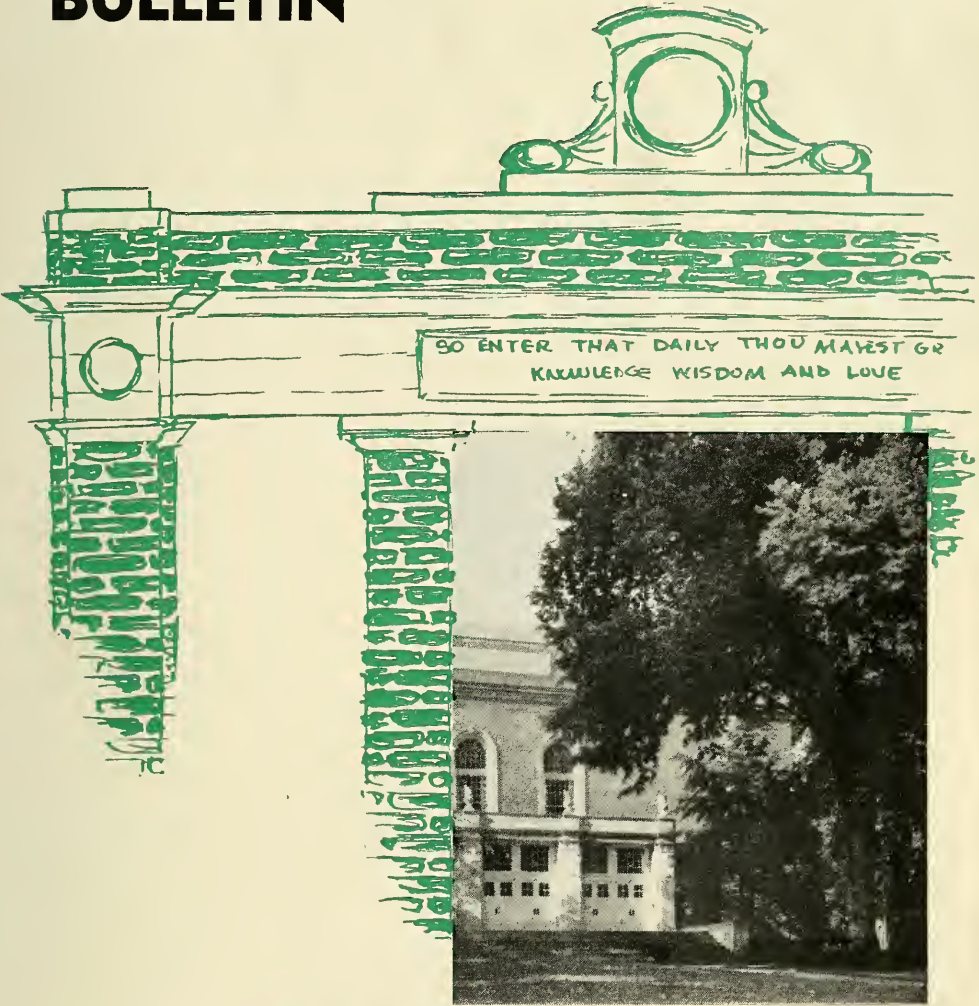


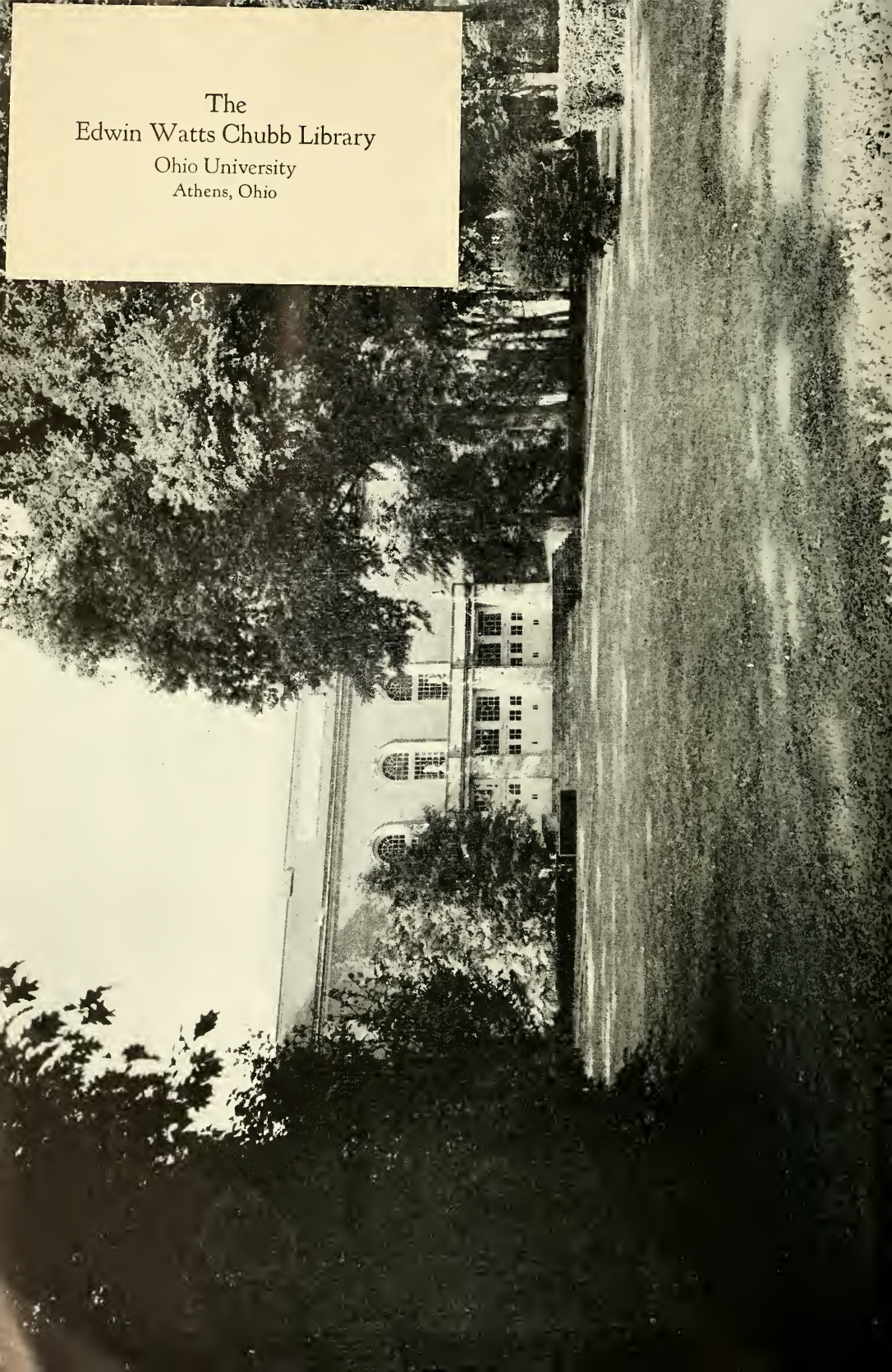
# OHIO UNIVERSITY BULLETIN



SO ENTER THAT DAILY THOU MAYEST GET  
KNOWLEDGE WISDOM AND LOVE

**THE SUMMER SESSION**  
**1954**

The  
Edwin Watts Chubb Library  
Ohio University  
Athens, Ohio





# OHIO UNIVERSITY BULLETIN

## *The 1954 Summer Session*



EIGHT-WEEK TERM: JUNE 21-AUGUST 14

POST-SESSION ACTIVITIES BEGIN AUGUST 16

OHIO UNIVERSITY

ATHENS, OHIO

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Volume LI

MARCH, 1954

Number 3

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# THE 1954 SUMMER SESSION CALENDAR

## ACADEMIC

June 21	Mon.	Eight-week term opens; advising, counseling and registration
June 22	Tues.	Classes begin
June 28	Mon.	Last day for registering for the term Last day for graduate student to be admitted to candidacy
June 30	Wed.	Last day for adding eight-week course by change order
July 3	Sat.	Last day for student in eight-week term to file application for graduation on August 14 or September 3
July 5	Mon.	Holiday
July 10	Sat.	Last day for partial refund of fees to students who withdraw
July 17	Sat.	Last day to withdraw from a course
Aug. 9	Mon.	Masters' theses due in library and abstracts due in Graduate College office
Aug. 11	Wed.	Candidates' grades due in Registrar's office, 4:00 p.m.
Aug. 13	Fri.	Last day of classes. Final examinations during the last scheduled class meeting
Aug. 14	Sat.	Eight-week term closes; commencement
Aug. 16	Mon.	Post-session activities begin; registration in the morning
Aug. 17	Tues.	Last day to register for post-session activities Last day to file application for graduation on September 3

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*Page 61—A Home Economics Laboratory*  
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## SPECIAL EVENTS

Conference on School Administration	June 17-June 18
Workshop in Conservation Education	June 21-June 26
Ohio Workshop on Economic Education	June 21-July 9
Workshop in Plastic Design	June 21-July 16
Workshop in Summer Theatre	June 21-Aug. 14
Workshop in Dramatics for High School Teachers	June 28-July 10
Ohio Valley Oil and Water Color Show	July 1-July 31
Special Painting Classes	July 6-July 30
Workshop in Aviation Education	July 12-July 17
Opera Workshop	July 15-July 28
Workshop in Design	July 19-Aug. 13
Elementary Teachers Music Workshop	July 27-July 31
Conference in Elementary Education	Aug. 9-Aug. 12
Workshop in Elementary Education	Aug. 16-Sept. 3
Teacher Training Course in Driver Education	Aug. 23-Sept. 3
Ohio Conservation Laboratory	See Page 10
Travel-Study Programs in France and Spain	See Page 10
Workshops and Short Courses in Home Economics	See Page 49
Conference on World Affairs	Date to be announced
Ohio Bookmen's Club Exhibit	Date to be announced

### (For High School Pupils)

Workshop on High School Publications	June 21-June 26
Music Clinic Workshop	June 21-July 3
Workshop in Radio	June 21-July 3
Workshop in Debate	June 21-July 3

# OHIO UNIVERSITY

## HISTORICAL BACKGROUND

With a background rich in historical significance, Ohio University is this year—1954—celebrating the Sesquicentennial Anniversary of its founding. This span of years is only one year less than that of the life of the great state that established and now supports it.

First conceived of and planned for in 1786 by officers and men who had served in the Revolutionary War, the University came into being with the passage by the Legislature of the State of Ohio, February 18, 1804, of an act establishing "an University . . . in the town of Athens . . . by the name and style of the Ohio University." Edward Tiffin, first governor of Ohio, rode horseback from Chillicothe to Athens over wilderness trails to preside over the first meeting of the first board of trustees of the new University.

Ohio University thus became the first institution of higher learning in the Northwest Territory, an area from which was ultimately carved five great states—Ohio, Indiana, Illinois, Michigan, and Wisconsin.

The Ordinance of 1787, a document which many historians rank in importance with the Declaration of Independence and the Constitution of the United States, was developed by the Continental Congress as a measure for the government of the Northwest Territory.

Although much of the authorship of the Ordinance is credited to Thomas Jefferson, it is well known that Dr. Manasseh Cutler, of Ipswich, Massachusetts, who is regarded as one of the two founders of Ohio University and who represented the Ohio Company of Associates in its land negotiations with the Continental Congress, insisted that the ordinance be so drawn as to guarantee freedom of speech, thought, and religious opinions, as well as to exclude slavery from the territory and to commit the governments of the new states to the support of schools. They are Cutler's words that declare: "Religion, morality, and knowledge being necessary to good government and the happiness of mankind, schools, and the means of education shall forever be encouraged."

In the land purchase contract negotiated by the Ohio Company with Congress just two weeks after passage of the Ordinance of 1787, Congress reserved two complete townships of land "for the purposes of an University" to be located in the center of the Purchase.

Late in 1799, after almost ten years of delay occasioned by the Indian Wars, General Rufus Putnam, of Rutland, Massachusetts, laid out the town of Athens and the campus for the University. General Putnam is regarded as a co-founder, with Cutler, of Ohio University. Each has a building on the university campus named in his honor.

In preparing the charter of Ohio University, Doctor Cutler, a graduate of Yale University and a man of many talents—lawyer, minister, scientist, scholar—consulted the charters of many universities in Europe and America, including those of Harvard and Yale. In the preamble to the charter he expressed the belief that "institutions for the liberal education of youth [are] essential to the progress of Arts and Sciences, important to morals and re-

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ligion, friendly to the peace, order, and prosperity of society, and honorable to the Government which patronizes them."

Ohio University was founded and conducted during the early years of its existence as a college devoted to the arts and sciences. It remained a liberal arts college throughout the nineteenth century with only gradual expansion and a few changes in policy. By the turn of the century, however, a growing need for teachers called for a professional educational program. In 1902, the University was expanded to include a college for the training of teachers. Meanwhile, the general tendency for higher education in many fields had been definitely manifesting itself in increased enrollment and the demand for a broader curriculum. This was particularly noted in the fields of electrical engineering and commerce which had been introduced in the College of Arts as early as 1890 and 1893 without perceptible effect upon the organization of the University.

In the years of constant growth that followed, the University at all times endeavored to keep pace with the growing need, until it became evident that the traditional division into a College of Liberal Arts and a College of Education no longer represented the curricula offered in the University. In the spring of 1936, the Graduate College was established. Further reorganization has followed in accord with the enlarged offerings until at present the University is composed of seven Colleges, four Schools, three Divisions, and three Branches.

#### ENROLLMENT AND LOCATION

Although supported by the state of Ohio, the University draws students from a much wider territory. During the past year, students were enrolled from every county in Ohio, from 29 states, two territories, the District of Columbia, and from 26 foreign countries.

The city of Athens, seat of the University, has a population of 11,660. Neither large nor extremely small, the city exists chiefly because of the University and for its welfare. The relations between its citizens and the members of the university community are, therefore, markedly cordial.

Free from the distractions of a metropolitan center, Athens offers many advantages to the person who desires to pursue university work in an atmosphere of culture and relative quiet.

Like the city, the University is neither large nor small. With an enrollment of approximately 4500 on-campus students during the regular year, the school is not so large that an individual finds it difficult to establish close social and classroom contacts, nor yet so small that he is deprived of opportunities for a well-rounded program of extracurricular activities.

Athens is conveniently accessible by automobile on U. S. Routes 33 and 50 and State Route 56. The city is on the main New York-St. Louis route of the Baltimore and Ohio railroad. North and south bus service is provided by the Lake Shore System; east and west service, by the Capital Greyhound Lines.

#### DEGREES GRANTED

Ohio University offers both undergraduate and graduate courses of study.

The following degrees are granted upon the satisfactory completion of four-year programs (less time under an accelerated program): Bachelor of



Arts, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Science in Agriculture, Bachelor of Science in Architectural Engineering, Bachelor of Science in Chemistry, Bachelor of Science in Civil Engineering, Bachelor of Science in Commerce, Bachelor of Science in Education, Bachelor of Science in Electrical Engineering, Bachelor of Science in Home Economics, Bachelor of Science in Journalism, Bachelor of Science in Mechanical Engineering, and Bachelor of Science in Secretarial Studies.

The Master of Arts, Master of Education, Master of Fine Arts, or Master of Science degree is granted upon completion of a Graduate College program covering a period of, normally, one year (two semesters) or four summer sessions.

#### ACCREDITATION

Ohio University and its divisions belong to, or are approved by, the following educational and professional associations:

- The National Association of Schools of Social Administration
- The American Chemical Society
- The American Psychological Association
- The American Council for Education in Journalism
- The National Association of Schools of Music
- The American Association of Colleges for Teacher Education
- The American Association of Collegiate Schools of Business
- Board of Registry, American Society of Clinical Pathologists
- Engineers' Council for Professional Development
- The North Central Association of Colleges and Secondary Schools
- The Association of American Colleges
- The Ohio College Association
- The Ohio State Department of Education
- The American Association of University Women



## THE 1954 SUMMER SESSION

The 1954 Summer Session, representing for Ohio University the sixty-third consecutive year of summertime study, will consist of one eight-week term. The session will open on Monday, June 21, and will close with formal graduation exercises on Saturday, August 14.

In addition, the University has scheduled a number of late-summer activities for the period following the close of the eight-week term. These activities are described on the following page.

The work of the Summer Session is an integral part of the academic year, with every college represented in the summer offerings. All courses are given by members of the regular teaching staff or visiting lecturers of outstanding ability, and are equivalent to those offered in the regular year in method, content and credit.

The courses offered in the summer term have been chosen from the broader offerings of the regular year to meet the needs of the following:

1. Teachers and school administrators who wish to complete degree requirements or take specific courses to improve their professional standing and keep abreast of developments in the field of education. Offerings which contribute to advancement in certification by the State Department of Education will be available.

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### ATTENTION, JUNE HIGH SCHOOL GRADUATES

Students desiring to start their college training this summer and complete the usual four-year college program in three years, including summer sessions, may do so. In the summer of 1954 a large number of courses especially arranged for freshmen will be offered. Careful planning will enable most such persons to graduate in June, 1957.

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2. High school seniors who desire to begin their college careers at once. A student who has completed fifteen units of acceptable subjects in an accredited high school and is recommended for admission by his high school principal may be admitted to the University, even though he has not been graduated from high school.

3. Veterans who wish to take advantage of Federal aid to carry college work.

4. Entering students, or students enrolled during the regular year, who wish to accelerate their progress toward degrees.

5. Graduate students who find it necessary or desirable to utilize summer periods for study. Such students may complete one fourth of the degree requirements in the eight-week term. Of particular interest to masters' candidates is the fact that all requirements for the degree may be fulfilled by students during summer terms.

6. Persons not working for degrees but who want to enroll for specific courses and types of training in the elective studies program.

## LATE SUMMER ACTIVITIES

After the close of the regular summer session a varied group of activities will be available for certain students who desire to participate in them. These activities will carry academic credit.

Laboratory work in journalism at the *Athens Messenger* will be scheduled for such length of time as the student and his adviser may determine. Persons interested in Reporting Practice, Editing Practice, or Newspaper Advertising Practice should make arrangements with Dr. L. J. Hortin, Director of the School of Journalism, Ohio University, Athens, Ohio.

A training course for high school teachers of automobile driving will be offered August 23—September 3. A description of this course will be found on page 20.

A three-week workshop in elementary education for undergraduate students will begin August 16. A description of this workshop will be found on page 20.

Two regular courses are scheduled for students whose needs can not be met by the above activities: English 111—Chief American Writers, which will begin August 16 and run for three weeks; and History 1—Western Civilization in Modern Times, which will begin on the same date and continue for three weeks.

No student will be permitted to participate in more than one of the above courses, activities or workshops.

## OHIO CONSERVATION LABORATORY

Ohio University cooperates with the other state-supported universities of the state in conducting a summer conservation laboratory on Leesville Lake. This is of interest to all persons interested in education for the wiser use of natural resources. Students may attend for either three or five weeks, and receive academic credit. Additional information may be obtained by writing to Dr. C. L. Dow, Department of Geography, Ohio University, Athens, Ohio.

## TRAVEL-STUDY PROGRAMS IN FRANCE AND SPAIN

Ohio University sponsors programs of travel and study in both France and Spain. The projects are primarily for teachers of French and Spanish in high schools and colleges, but other properly qualified persons may be accepted.

The French program begins with a period of three or four days spent on the campus. Upon arrival in France, five weeks are spent in and about Paris, with the time divided between classwork and educational and recreational activities. The Spanish program will be quite similar, except that the participants will be in Madrid for a four-week period.

The dates of the programs are approximately those of the regular summer session. Up to six hours of graduate or undergraduate credit may be earned in French, or Spanish. The groups will be under the guidance of one of the regular members of the Ohio University staff, and instruction abroad will be given by native teachers.

Anyone interested in these programs should communicate at once with Dr. B. A. Renkenberger, Chairman of the Department of Romance Languages, Ohio University, Athens, Ohio.







## OF INTEREST TO TEACHERS

(Income Tax Deductions)

The courts have ruled that when summer session attendance is required of a teacher as a condition of reemployment, the cost of such attendance is deductible as a "necessary business expense" in reporting income for Federal income tax purposes.

It is suggested that teachers who feel that they have a legitimate basis for a summer session expense deduction consult a representative of the U.S. Bureau of Internal Revenue concerning the matter.

## THE WAR VETERAN

New veterans who enter the Summer Session on P.L. 346 or P.L. 550 should present to the Coordinator of Veterans Affairs their certificates of training, issued by the V.A. Veterans who come on P.L. 16 and P.L. 894 must be approved by the Training Officer, who will be on the campus Registration Day. Veterans who were here last summer and who have been teaching this past academic year must present a letter from their principal or superintendent certifying that they have been engaged full time in teaching or in school administrative work.

## CONFERENCES AND WORKSHOPS

During the summer of 1954, Ohio University will offer a number of workshops, conferences and other special events. Some of these will be for high school pupils, others are intended for students of college rank. These special events will range from one day to four weeks in duration. They will give participants an opportunity to work intensively at one project or in one area of interest. Most of the workshops designed for student participation will carry the possibility of university credit, but students should ascertain whether the credit earned in the particular workshop in which they enroll is applicable to the program they are carrying. Graduate students, especially, need to be sure that the credit will be approved by their adviser and by the dean of the Graduate College.

With the exception of persons who participate in workshops that carry no possibility of academic credit, each workshop participant will register either as a student working toward a degree, as a special student, or as an auditor, and will be assessed registration and incidental fees. The registration fee is \$5 a semester hour and the incidental fee is \$2 a semester hour.

Students desiring undergraduate credit or registering as auditors in workshops will register on a simplified set of registration cards without the formality of obtaining an adviser's signature.

A student not previously registered at Ohio University will be admitted by the Registrar as "Special Student, No Credits on File."

Students desiring graduate credit must be admitted to the Graduate College prior to registration.



## CONFERENCE ON SCHOOL ADMINISTRATION

June 17, 18

The ninth annual Conference for School Administrators will be held on Thursday and Friday, June 17 and 18. The conference will be devoted to the development of written school board policies. In the two-day period there will be talks, discussion groups and committees to aid in planning such policies.

Lunch and dinner on June 17 and breakfast and lunch on June 18 and housing on Thursday night in Lindley Hall will be available at a total cost of \$7. For those wishing to stay extra nights, housing in Lindley Hall will be available on Wednesday and Friday nights at a cost of \$1.50 per night.

The program of the conference will be sent to those interested upon request to Dr. Gilford W. Crowell, Director, Center for Educational Service, Ohio University, Athens, Ohio.

## WORKSHOP IN CONSERVATION EDUCATION

June 21-26

A five-day workshop in Conservation will be offered for teachers in elementary and secondary schools. The actual construction and use of projects, activities, and teaching aids suitable for correlation and integration of Conservation Education with the basic grade and high school disciplines will be emphasized.

Selections of the various workshop activities will be made to fit the needs of those students who enroll. Choices from the following or similar items will be made: field-trip organization and conduction; elementary land-use mapping; laying out contour strips; school demonstration run-off plots; wild-life surveys; strip mining and spoil bank surveys; stream-pollution survey methods; visual aid techniques; collection techniques; elementary forest-management methods; simple soil testing; park and recreation development.

All equipment used will be of the homemade or extremely low-cost type. No special supplies or equipment need be brought by students. Ordinary old clothes will be suitable.

Persons not enrolled in the regular summer session who come only for this activity will pay a fee of \$10. Board and room for the period of five days will be \$15. Regularly enrolled Summer Session students may take this course by doing work missed during the workshop week before or after that week.

For further information write Dr. C. L. Dow, Department of Geography, Ohio University, Athens, Ohio.

## WORKSHOP ON HIGH SCHOOL PUBLICATIONS

June 21-26

The annual 5½-day workshop on High School Publications will be conducted by the School of Journalism, beginning Monday, June 21, and continuing through Saturday noon, June 26.

High school students and advisers will participate and receive help in five major areas: (1) editors and advisers of letterpress newspapers; (2)

editors and advisers of yearbooks; (3) students and teachers interested in the business phases of newspapers and yearbooks; (4) editors and advisers of mimeographed and offset newspapers; (5) photography. Special clinics will be scheduled for advisers and for those interested in radio-TV journalism.

Nationally-known authorities in high school journalism will assist the Ohio University journalism faculty in conducting the workshop. Visiting specialists will be available for consultation on problems in printing, engraving, advertising, photography, radio, art and accounting.

Two or more "model" newspapers will be prepared and published by the workshopers during the session: "The Streamliner", a mimeographed paper, and "The Workshopper", a letterpress paper. All participants are urged to bring copies of their high school newspapers and yearbooks for analysis and criticism by the staff.

The workshop will include demonstrations, daily convocations, displays, forums, lectures, field trips, shop talks, and round-table discussions. The facilities of the Ohio University School of Journalism will be available for the workshop—engraving plant, library, typography and photography laboratories, UP wire service, radio equipment and specialized classrooms.

Picnics, swimming parties, dancing, games, contests, get-togethers, picture shows and luncheon meetings will be part of the social and recreational program. Sigma Delta Chi and Theta Sigma Phi, men's and women's professional journalism fraternities, will provide guides and aides for the "workshoppers" during their stay on the campus.

A laboratory fee of \$6, payable in advance or upon registration, will be charged for each high school student attending the workshop. No fee will be charged for the advisers.

Room and board will be available for the students and advisers in university residence halls. Rooms will be available beginning Sunday afternoon, June 20. Meals will start with breakfast Monday morning, June 21. The board and room charge for the period will be \$15.

Requests for reservations and information should be sent to Dr. L. J. Hortin, Director of the School of Journalism, Ohio University, Athens, Ohio. Checks for fees and board and room are to be made payable to TREASURER OF OHIO UNIVERSITY and will be payable in advance or at the beginning of the workshop.

## MUSIC CLINIC WORKSHOP

June 21-July 3

A two-week course in band, chorus and orchestra for boys and girls between the ages of 12 and 19 interested in music, and for the professional stimulation and growth of prospective and in-service music teachers.

A staff of outstanding guest conductors has been secured to direct the three musical units.

For the music teacher there will be a variety of musical experiences including the opportunity to follow the development of a well-balanced band, orchestra and chorus, and daily clinic and workshop sessions where all phases of music teaching and everyday problems of music instruction will be discussed by nationally-recognized music education authorities.

A well-planned recreation and health program for the enjoyment and welfare of the members has been developed. Such activities as sports, dances,

mixers, plays and lectures on the campus; swimming, hiking, and sight-seeing tours in "Scenic Southeastern Ohio" will be conducted.

Two hours of university credit may be secured by teachers who register for credit in either the band, orchestra or chorus clinic. No credit will be allowed to high school students. To obtain graduate credit for the Music Clinic Workshop a person must be admitted to the Graduate College.

The all-inclusive fee for the two weeks is \$47. This amount includes a workshop fee of \$17, and a charge of \$30 for room and board in university residence halls. In-service music directors may apply for assistantships which will cover the all-inclusive fee of \$47.

Students and directors are urged to make application early. Address inquiries to Dr. Neal E. Glenn, School of Music, Ohio University, Athens, Ohio.

### WORKSHOP IN RADIO FOR HIGH SCHOOL STUDENTS

June 21-July 3

A maximum of thirty high school students will be accepted for enrollment in a workshop in radio which will provide an opportunity for active participation in all phases of radio production. The workshop will be held in the new studios of Ohio University's radio station WOUI-AM and FM.

The two weeks' intensive program will feature lecture, discussion, and rehearsal sessions in the morning and afternoon and the broadcasting of programs in the late afternoon and evening. Interested students may gain practical experience in script and continuity writing, announcing, programming, radio play production, music program production, remote broadcasting, disc jockey programs, sports and newscasting, radio news wire service, and control room and control booth operation.

Laboratory fee: \$15. Board and room will be available in university residence halls at \$32 for the two-week period.

For further information write to Dr. Claude E. Kantner, Director of the School of Dramatic Art and Speech, Ohio University, Athens, Ohio.

### OHIO WORKSHOP ON ECONOMIC EDUCATION

June 21-July 9

A workshop on Economic Education, sponsored by the College of Education and the Department of Economics of the College of Commerce, in cooperation with the Ohio Council on Economic Education and the Joint Council on Economic Education, will extend over a period of three weeks. The program will be devoted to a study of the nature of the American system of free enterprise and major social-economic problems involved in it, including such areas as our economic resources, the national economy, problems of control, underlying economic problems, and problems of economic education in our schools. Lectures, workshop activities, field trips, and recreation will characterize the program.

The workshop will be open by invitation to approximately 85 representatives of city and exempted village and county school systems in Ohio, including superintendents, supervisors, principals and teachers.

Students attending the regular summer session will be welcome to at-

tend the lectures, panel discussions and exhibits of materials which will be held during the workshop.

Students desiring academic credit will pay a registration fee of \$15 and an incidental fee of \$6.

Requests for additional information should be addressed to Dr. Gilford W. Crowell, Center for Educational Service, College of Education, Ohio University, Athens, Ohio.

#### WORKSHOP IN DEBATE FOR HIGH SCHOOL STUDENTS

June 21-July 3

During the first two weeks of the summer session of 1954, the School of Dramatic Art and Speech will sponsor a debate clinic for high school students of junior or senior rank. The number of participants will be limited to thirty. In order to qualify for admission to the clinic, each student must have participated in at least one year of interscholastic debate or a related form of forensic activity, such as extemporaneous speaking or oratory.

Emphasis will be placed on an analysis of the high school debate proposition for the 1954-55 bibliographical study, evaluation of evidence, construction of the brief, and formal debate practice. Opportunities will also be provided for practice in parliamentary law, extemporaneous speaking, and group discussion.

Laboratory fee: \$15. Board and room will be available in university residence halls at \$32 for the two-week period.

For further information, write to Dr. Claude E. Kantner, Director of the School of Dramatic Art and Speech, Ohio University, Athens, Ohio.

#### WORKSHOP IN PLASTIC DESIGN

June 21-July 16

A workshop in plastic design will be held under the direction of David L. Hostetler during the first four-week period of the term. Credit of from one to three hours may be earned. Individual and class problems using three dimensional media will be presented.

With the consent of the instructor an individual problem for the entire eight-week course may be considered. Facilities in both the commercial design and the ceramics laboratory will be open for student use daily and on Saturday. Instructors will be available from 9:20 to 11:40 daily. There is a laboratory fee of \$5.

#### WORKSHOP IN SUMMER THEATRE

June 21-August 14

The fourth season of the Ohio Valley Summer Theatre, a joint project of the University and the community of Athens, will feature a program of six major plays in the new Speech and Theatre Arts Building, which provides the most modern facilities for theatrical productions.

A maximum of thirty students, including a limited number of high school seniors and college freshmen with previous experience in dramatics, will be accepted for enrollment in the workshop for either four or eight



hours of credit. Students earning eight hours of credit will be expected to work full time in the theatre.

The workshop provides intensive practical experience in any or all phases of theatrical production, such as acting, directing, costuming and make-up, scene design and construction, scene painting and lighting, house management, publicity, etc., under the supervision of competent staff members and in close association with those members of the community and the college faculty who work in the summer theatre.

Laboratory fee: \$10 for each four-hour workshop or seminar. Information concerning registration fees and board and room for the summer session will be found on pages 25 and 28.

For more complete information, write to Prof. Christopher Lane, Director, Ohio Valley Summer Theatre, Athens, Ohio.

### WORKSHOP IN DRAMATICS FOR HIGH SCHOOL TEACHERS

June 28-July 10

Two weeks of intensive works in theatre designed especially for teachers who direct plays in high schools. A two-hour seminar will be held each morning on problems and practices in high school play production. The rest of the day will be given over to observation of, and participation in, the current productions of the Ohio Valley Summer Theatre. All aspects, including tryouts, casting, rehearsals, scene building, lighting, costumes, and make-up will be covered. Those who register should plan on spending full time in the workshop. If desired, two hours of credit may be earned by registering for Dramatic Art 347—Theatre Laboratory.

Room and board will be available in university residence halls for \$32 for the two-week period. Tuition costs, plus incidental fees for two credit hours, will be \$14. Laboratory fee, \$10.

### OHIO VALLEY OIL AND WATER COLOR SHOW

July 1-31

The 1954 exhibition of the Ohio Valley Oil and Water Color Show, an exhibition held annually at Ohio University, will be on display in the gallery and corridors of the Edwin Watts Chubb Library from July 1 to July 31.

The exhibition is confined to original works in oil and water color by artists living in Ohio, Kentucky, Pennsylvania, West Virginia, Indiana, and Illinois. A sum of \$1000 is available for awards in prizes and purchases.

All work intended for exhibition must be entered upon official entry cards due on or before June 1. For entry cards and data write Dean Earl C. Seigfred, College of Fine Arts, Ohio University, Athens, Ohio.

### SPECIAL PAINTING CLASSES

July 6-16

July 19-30

Special painting classes will be held during two periods of the 1954 Summer Session with instruction by prominent artists. Paul Sample will teach during the first two-week period; Aaron Bohrod, during the second.

Students may enroll for either period or both, with or without academic credit. It is possible, also, for a student to include the special painting

classes as a part of an eight-week summer program. An extremely low fee is being charged for the special classes.

For students who enroll only for the special painting classes an over-all fee of \$15 per credit hour will be charged, whether academic credit is desired or not. This includes the registration fee, incidental fee, and the laboratory fee. Meals and room in university residence halls may be obtained at a cost of \$48 for a two-week period.

Students enrolled in the eight-week session who take the special classes as a part of a regular program will pay, in addition to the summer session fees, a laboratory fee of \$8 for each two-week period.

For application blanks and additional information, write to Dean Earl C. Seigfred, College of Fine Arts, Ohio University, Athens, Ohio.

## WORKSHOP IN AVIATION EDUCATION

July 12-17

A course designed to acquaint teachers with phases of aviation which frequently come up for discussion in their regular classroom work. Included will be such topical studies as: (1) Our Air Age (with map work); (2) Know Your Airplane (model construction included); (3) Why and How An Airplane Flies; (4) Distance, Time and Direction on the Earth's Surface; and (5) Weather and Flight. Short flights from the University Airport may be included without charge. Regular summer session students may take the course by doing part of the work before or after the designated week. One hour of academic credit may be obtained. Laboratory fee, \$3. Requests for additional information should be addressed to Dr. C. L. Dow, Department of Geography, Ohio University, Athens, Ohio.

## OPERA WORKSHOP

July 15-28

The third annual Opera Workshop will once again engage in the production of the prize-winning opera selected by the judges in a nation-wide competition sponsored by the School of Music of Ohio University. The Opera Prize, offered by Ohio University for the best chamber opera on an American subject by any citizen of the United States (except members of the Ohio University faculty), made possible last summer's world premiere of Charles Hamm's opera, "The Secret Life of Walter Mitty". The composer was in attendance as the guest of the University. This summer will see the third world premiere of an American opera at the University.

The opera workshop will be conducted on a basis of student participation, and correlated to the program of applied music in the School of Music. Principles of musico-dramatic acting, singing and stage deportment will be studied. Problems of operatic conventions, diction and voice production will be reviewed, with special reference to the contemporary idiom of the American lyric stage.

The members of the opera workshop have unusual opportunities for the exercise of many related talents such as coaching, staging, stage design and scenery painting, stage lighting and make-up, for the opera production is built from start to finish in the workshop.

A performance of the prize-winning opera will be given for the general

public, without admission charge, on Tuesday, July 27, augmented by other performing groups on the campus, and orchestra.

Laboratory fees are indicated in the schedule of recitations. For further information write Mr. Hollace E. Arment, Director of the Opera Workshop, School of Music, Ohio University, Athens, Ohio.

### WORKSHOP IN DESIGN

July 19-August 13

A workshop in Design will be taught by Charles L. Smith during the second four weeks of the term, with credit of from one to three hours. Problems may be of individual or of class interest, and, while of a practical nature, will be based on a firm background in general design. Student need and ability will serve as the basis for assignment.

### ELEMENTARY TEACHERS MUSIC WORKSHOP

July 27-31

A one-week workshop in Elementary School Music for the classroom teacher. One hour of university credit may be secured by those who register for credit. A workshop fee of \$12 will be assessed. Board and room in university residence halls will be \$18. For further information, write Dr. Neal E. Glenn, School of Music, Ohio University, Athens, Ohio.

### CONFERENCE IN ELEMENTARY EDUCATION

August 9-12

The eighth annual Conference in Elementary Education will reflect the national recognition of the need for increased competence in the teaching of science.

Teachers and administrators will be provided opportunity to work actively on their own science problems under the guidance of nationally-recognized science educators and master classroom teachers.

The major emphasis of the workshop will be on teacher participation in science experiments, demonstrations, field trips, and small group conferences. Exhibits of science equipment and materials will also be provided.

There will be a fee of \$12 for the four-day workshop. One semester hour of credit will be granted to those eligible for it. Any teacher may enroll, and those who participated in the 1953 Elementary Education Conference are eligible again. Persons who have not previously attended Ohio University and wish to work toward a degree should apply to Dr. F. B. Dilley, Director of Admissions, Ohio University, Athens, Ohio. Those who have previously been admitted, or are not candidates for a degree, or who wish to have their credit transferred to another university, need not apply for admission.

Board and room will be available in university residence halls for \$16. This sum covers room and meals from Monday morning through lunch, Thursday.

Reservations should be made by July 1. Participants are requested to indicate early the specific topics or areas in which they would like to work by writing to Dr. Margaret J. Felsing, College of Education, Ohio University, Athens, Ohio. Send requests for additional information to the same address.

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## WORKSHOP IN ELEMENTARY EDUCATION

August 16-Sept. 3

A workshop in Elementary Education for undergraduate students will be offered immediately following the regular summer session. It will extend over a period of three weeks, from August 16 to September 3.

In addition to the regular work done by all participants, individual students will elect special work, either in the teaching of reading or in the elementary curriculum.

Three hours of credit will be given to those completing the workshop. This will be accepted as elementary education credit toward the renewal of certificates and toward the "retraining" program for teachers with secondary or special certificates. Candidates for degrees at Ohio University may substitute this workshop for Education 163b—The Teaching of Reading and Language, or Education 211—The Child and the Curriculum. The workshop will not carry graduate credit.

Persons interested in participating in this workshop should write at once to Dean H. E. Benz, College of Education, Ohio University, Athens, Ohio, indicating their desires.

## TEACHER TRAINING COURSE IN DRIVER EDUCATION

August 23-September 3

A teacher training course in Driver Education will be offered by the Industrial Arts Department during the two-week period of August 23 through September 3. This course will satisfy certification requirements of the Ohio Department of Education and the American Automobile Association. Consultants from the A.A.A. and other organizations will participate in the instruction.

Two semester hours of credit are given for this course. A laboratory fee of \$5 is charged in addition to the regular registration and incidental fees.

## NINTH ANNUAL CONFERENCE ON WORLD AFFAIRS

Date to be Announced

American interest in, and relations with, Africa will be the theme of this conference. Distinguished speakers of national reputation will appear on the program. Today, events in far-away countries have become of immediate importance for the lives of the American people. It is therefore important that all Americans be well informed on the factors governing our foreign relations.

Exact information regarding the speakers and the dates of the conference will be available later.

## OHIO BOOKMEN'S CLUB EXHIBIT

Date to be announced

Representatives of the Ohio Bookmen's Club will be on campus to display textbooks, illustrative materials, and other types of supplies and materials. The exhibit will be held in Ellis Hall.





## FOR YOUR USE

### UNIVERSITY LIBRARY

Books are an important part of an educational experience at Ohio University. The University Library is organized to provide books for study and research and to promote an appreciation for reading as one of the cultural assets of later life.

The collections are housed in the Edwin Watts Chubb Library, erected in 1930 and named in honor of a former dean of the College of Arts and Sciences. The main collection of more than 230,000 volumes, including periodical sets, documents, and pamphlets, is shelved chiefly in the stacks to which all students have direct access. A reference collection of several thousand volumes is in the Reading Room and current issues of more than 1000 periodicals and newspapers are in an adjoining Periodical Room. The Library is equipped with both microfilm and microcard readers.

In the Children's and Young People's Room an extensive collection of books for younger readers provides service to the children of Athens and is used as a laboratory by students in education. Small collections of specialized material are administered by the Department of Chemistry, the School of Music, and the College of Commerce, in their respective buildings.

### UNIVERSITY HEALTH CENTER

The University Health Center is located at the rear of Howard Hall and can be reached from East Union Street. A complete clinic with X-ray and minor surgery occupies the first floor, an infirmary of forty beds with an isolation wing occupies the second floor, and the nurses' quarters are on the third floor. There is a physiotherapy department in the basement, and the accent on preventive medicine and health education is emphasized by the addition of an auditorium for health films and lectures.

The Health Service maintains a continuous record of each student's health, beginning with the family physician's report which is required on admission. A tuberculin skin test is given each new student along with his chest X-ray, and the X-ray is repeated before he graduates. Since tuberculosis is a particular hazard in the college-age group, a special effort is made to detect early cases and protect the college community.

During the regular year the Health Service staff comprises four full-time doctors and nine registered nurses. The Summer Session health fee entitles a student to (1) outpatient clinic service, which usually includes medications; (2) hospitalization in the infirmary without charge, subject to the judgment of the doctors; (3) consultations with outside specialists at the discretion of the director; and (4) emergency service at all hours.

New students, whether freshmen or transfers, must present evidence of vaccination against smallpox within the last five years, before being admitted to Ohio University. A blank certificate giving detailed instruction is sent to each applicant for admission and must be returned to the Registrar properly completed and signed.



## LABORATORY SCHOOLS

During the eight-week term of the 1954 Summer Session, the University will maintain school laboratory facilities at the University Elementary School in Rufus Putnam Hall, and at the Senior High School in Athens. In addition to offering student teaching required for teacher certification, opportunities are available for observation for other courses. The summer program in the elementary school is a continuation of the year's work with the addition of swimming and other activities. The children of students attending the University are welcome to attend the schools during the summer term, *provided admission is arranged for in advance and there are available facilities*. There is no tuition charge.

## BUREAU OF APPOINTMENTS

Through the Bureau of Appointments, located in Cutler Hall, students, former students, and graduates of the University may obtain assistance in securing positions in such fields as teaching, business, and industry. There is no registration fee, and no charge is made for service while an applicant for assistance is enrolled as a student in the University or during his first year out of school. After the one-year period a charge of \$2 a year is made for each year in which assistance is requested.

The Director of the Bureau and the office personnel are available to counsel students relative to their vocational plans.

The Bureau maintains and promotes all possible connections with prospective employers for the benefit of persons seeking initial placement and for those looking toward advancement to better positions.

## FOR YOUR PLEASURE

### UNIVERSITY BAND CONCERTS

Students enrolled in the Summer Music Clinic Workshop will present a series of three concerts. The dates are June 26, 27 and July 3.

Another series of concerts will be presented by the Ohio University Summer Concert Band under the baton of Charles Minelli, Director of Bands.

Concerts in the latter series will be presented each Wednesday evening beginning July 7 through August 4. Popular concert favorites will be programmed. Guest conductors and soloists attending the 1954 Summer Session will be invited to participate in these programs.

The concerts are held "Under the Elms" at a twilight hour for the enjoyment of the student body and the people of Athens and the surrounding communities.

### THE UNIVERSITY CENTER

The University Center Building was designed to provide maximum facilities for the cultural, social, and recreational benefit of students. This \$1,500,000 structure, located opposite the north gateway to the campus, contains three beautiful lounges, a large ballroom, dining rooms, cafeteria, snack bar, library and record listening room, television, conference rooms, student government and publications offices, and recreational areas for bowling, billiards, table tennis, and cards.

The University Center is primarily a place for fun and relaxation and students are free to take full advantage of its facilities under regulations formulated by a faculty-student policy board. Parents and friends of students are always welcome at the Center.

#### THE NATATORIUM

The Natatorium is one of the largest and most modern of such structures on any college campus.

Conveniently located adjacent to the main campus, the building is featured by a pool, 42 feet wide by 75 feet long, with six standard 7-foot racing lanes and a rated capacity of 116 persons. The pool is equipped with submerged lighting, and Olympic-style starting blocks and diving boards.

The facilities of the Natatorium are available to students for both credit and recreational swimming.

#### SUMMER THEATRE PRODUCTIONS

Students of the 1954 Summer Session will be welcome to attend the series of six plays to be produced by the Ohio Valley Summer Theatre.

#### ART EXHIBITS

The School of Painting and Allied Arts maintains an art gallery in the Edwin Watts Chubb Library in which a program of exhibitions, including the Ohio Valley Oil and Water Color Show, a Summer Session feature, is conducted throughout the year. Other exhibitions are scheduled from time to time in other parts of the library.

#### UNIVERSITY MUSEUM

The University Musuem houses more than 80,000 specimens, including the specimens from Dr. S. P. Hildreth's famous collection of rocks and minerals dated 1816 and 1825.

The Museum is located in the basement of Alumni Memorial Auditorium and is open to the general public during the Summer Session by appointment.

#### GENERAL RECREATION

Although students come to the Ohio University Summer Session with a serious purpose—to advance their educational programs as rapidly as possible—their experiences here can be enjoyable.

A varied social program is planned and, for the most part, is subsidized by an allotment from the Student Activity Fund so that most of the functions are free to all students in attendance during the summer sessions.

The School of Dramatic Art and Speech sponsors plays, and the School of Music organizes a choral group both for credit and for recreational purposes.

Baseball, volleyball, tennis, badminton, bowling, swimming, and hiking are summer sports which can be enjoyed in and near the city. The new university golf course is expected to be ready for use. Not many miles distant, and suitable as weekend diversions, are the attractions of two of the state's most scenic areas—Lake Hope, in the heart of the Zaleski State Forest, and the caves and gorges of the Hocking Park area.

Some of the local churches have summertime social-religious programs that are designed for and enjoyed by large numbers of students.



## HOUSING AND FOOD SERVICE

Bryan Hall will be open for the accommodation of women students and Johnson Hall for men students during the eight-week term.

**ROOMS.** Application for rooms in either Bryan Hall (women) or Johnson Hall (men) should be made to the Director of Student Housing, Ohio University, Athens, Ohio. Room rates, per student, for the eight-week term are as follows:

Single room—\$52

Double room—\$44

The minimum room charge of \$44.00, in check or money order payable to **TREASURER OF OHIO UNIVERSITY**, must accompany an application for a room. Besides the rental fee, a room application must be accompanied by a check or money order for \$2.50 payable to **STUDENTS' GENERAL FUND, OHIO UNIVERSITY**. The latter fee, \$2.50, is applied to the social fund of the dormitory and is not refundable.

Residents of Bryan Hall and Johnson Hall are assessed a \$1 key deposit which is refunded upon the return of the key when the room is vacated. Room rates include telephone, mail, and linen services. There are no other charges.

Refund in full of the advance room rent deposit will be made to those finding it impossible to attend the summer session, provided they give notice, in writing, to the Director of Student Housing prior to June 19.

Rooms in all residence halls are furnished with dressers, study tables, chairs, and *bed linen*. *The University provides for the laundering of bed linen*. Window draperies, lamps, blankets, and other furnishings may be supplied by the student.

**BOARD.** The cost of board in university dining halls for the eight-week term is \$84.

The bill for board is presented to the student by his Head of Residence and is payable at the Office of the Treasurer in Ewing Hall on or before Friday of the first week of school. Board may be paid in two installments with the second installment due on or before July 10.

All students living in university residence halls are required to eat in the halls in which they live.

Students living in private homes may arrange to eat in university dining rooms, but must continue with such arrangements until the end of the eight-week term, unless special permission to withdraw is granted by the Director of Student Housing.

**PRIVATE HOMES.** Rooms in private homes are listed in the Office of the Director of Student Housing and are available upon request. All undergraduate students are required to reside in approved housing.

### HOUSING FOR MARRIED STUDENTS

**APARTMENTS.** The University has 112 apartment units located on East State Street approximately two miles from The Green. Each of these apartments has a living room, bedroom, kitchen, and bathroom with an abundance

of closet space. Each apartment is provided with a gas cooking range, ice refrigerator, and a gas heating unit. Tenants must arrange to supply the additional needed articles. The rent for each apartment is \$33.50 a month, payable in advance. The rental charge includes all utilities and garbage disposal.

East of these apartments there are seventeen prefabricated units which accommodate a like number of families. The rent for each unit is \$25 a month, payable in advance. Each family unit is complete within itself. Though small, it is compact, efficient, and quite livable.

**TRAILER PARK.** Space is available for privately-owned house trailers at \$8 a month. The charge covers water, sewage, bath, and laundry facilities, as well as ground rental. The charge does not cover electricity. As in the case of occupants of the apartments and the "prefabs" transportation to the campus is provided by the University.

Convenient bus service is maintained by the University, on an hourly schedule when classes are in session, at no cost to the occupants of the facilities of the East State Street residential area.

It is anticipated that vacancies will exist in these accommodations. A limited number of the apartments are usually available through sub-leasing to married students during the summer session.

For information concerning quarters for married students, write to the Director of Student Housing, Ohio University, Athens, Ohio.

## ADMISSION AND REGISTRATION

### ADMISSION

All correspondence pertaining to the admission of a student to the University should be addressed to the Director of Admissions and University Examiner, Ohio University, Athens, Ohio.

Students are accepted for admission to the University at the beginning of the eight-week summer term, as well as the beginning of each of the semesters of the regular year.

Application for admission consists of the presentation of an application blank filled in by the applicant, official transcripts of all high school or college credit, two small photographs of the applicant, a vaccination blank certified by a physician, and a medical history blank filled in by the applicant and completed by a physician. The vaccination and medical history blanks are not required if a student plans to attend the summer session only.

Application for admission to the University does not constitute an application for a room. For information concerning application for living quarters, see "Housing and Food Service" on page 25.

If a veteran desires credit for military service, he should submit with his application for admission a photo or certified copy of his Separation Qualification Record.

**APPLICANTS FROM OHIO.** A resident of Ohio may be admitted directly from high school if he has graduated from an accredited high school or has made sufficiently high scores on the General Educational Development Tests (High School Level). Any applicant who has attended another university

or college and who desires to transfer to Ohio University is considered for admission if he has a 2.0 (C) average on the basis of all hours earned, and if he is eligible for good standing at Ohio University. If coming to Ohio University for the Summer Session *only*, he may attend by furnishing a statement from his college, or the last college attended, that he is a student in good standing.

An applicant twenty-one years of age or more can be admitted as a special student, not working toward a degree or diploma at Ohio University, even though not a high school graduate.

**APPLICANTS FROM OUT OF THE STATE.** An application from an out-of-state student is considered if the applicant ranks in the upper half of his graduating class in an approved high school and qualifies for admission to the state university of his state.

An applicant who has graduated from an accredited high school may be admitted to Ohio University for the Summer Session *only* by furnishing an official statement of graduation from high school.

A veteran who ranks above the 50 centile on the General Educational Development Tests (High School Level) may be considered for admission.

A transfer student from out of the state who makes application for admission to any college of the University is considered for admission if he has a 2.0 (C) average (on the Ohio University grade-point system) on all hours earned in all of his previous college work, and if he is eligible for good standing at Ohio University.

An applicant for admission to Ohio University, whether applying directly from high school or as a transfer, must be eligible to enter his own state university.

A student who is attending another university may be admitted for the summer session as a special transient student by presenting an official statement of good standing from the university in which he is enrolled.

*Admission for the Summer Session only as a special student does not constitute admission to the regular academic year.*

**CREDIT FOR MILITARY SERVICE.** A maximum of 8 semester hours of college credit for basic military training, or 16 semester hours for officer's training, will be granted to a student who, after completing his military service, enrolls in the University.

## REGISTRATION

Details concerning the registration procedure are given in the Schedule of Classes which may be obtained in the Registrar's Office. A fee of one dollar is charged for late registration, with the addition of one dollar for each day late. Students who register late pay registration fees on the day they register, and are subject to the late registration fee.

A permit to register must be obtained from the Registrar several weeks prior to registration. A new student receives his permit to register by mail with other admission material.

The days for advising and registration are indicated in the calendar on page 4. The hour and place for advising and registration will be indicated on the permit to register.

**ACADEMIC LOAD.** The normal academic load of an eight-week term is six to nine semester hours, inclusive. Permission to register for an additional credit hour will be granted to students whose high school or previous college records warrant the carrying of the additional hour. The maximum load for the post-session activities will be three credit hours.

**CREDIT.** All credit is designated in semester hours. A semester hour is the equivalent of one recitation or two or more laboratory periods a week through a semester. The normal load for an eight-week term is just half of that carried in a semester, while the number of recitation and laboratory periods is approximately double that of a semester. The credit hours applicable to any given course taken in an eight-week summer term are therefore the same as for a full semester.

**AUDITING PRIVILEGE.** At the time he is advised a student may receive permission to audit courses as part of his load. The courses must be marked "Audit" on the schedule and registration cards. The fee for auditing is the same as for credit. Subsequent to registration, changes from audit to credit or from credit to audit are made by change order.

## REGISTRATION AND OTHER FEES

THE EIGHT-WEEK TERM	Resident of Ohio	Non Resident
Normal Load: (6 to 9 semester hours, inclusive)		
General registration fee -----	\$ 26.25	\$ 46.25
Student activity fee -----	3.50	3.50
O.U. Center fee -----	2.50	2.50
Health fee -----	3.75	3.75
Library fee -----	.50	.50
Total -----	\$ 36.50	\$ 56.50
Excess Load:		
General registration fee for each semester hour in excess of normal load -----	\$ 3.00	\$ 7.00
Part-time Load:		
General registration fee, for each semester hour (for entire term or for any portion of the term, including workshops and special classes) -----	\$ 5.00	\$ 8.00
Incidental fees, for each semester hour -----	\$ 2.00	\$ 2.00
Auditors:		
Fees in full as above		

### POST-SESSION ACTIVITIES

General registration fee for each semester hour -----	\$ 6.00	\$ 6.00
Library fee -----	.50	.50

Fees are assessed at registration time and are payable at the Treasurer's Office. In addition to the registration fees, there are occasional labora-



tory fees. These fees will be found listed following the course title in the schedule of offerings.

Official enrollment is completed upon the payment of the fees assessed, and a student is not considered to have registered in the University until all fees have been paid in full. Checks and money orders will be acceptable if they are made payable to OHIO UNIVERSITY for the exact amount due.

The discharge of all financial obligations to the University is a prerequisite to graduation and the granting of a degree.

The University does not make provisions for handling student accounts, this service being available through local banks.

**REFUND OF FEES.** Voluntary and official withdrawal from the University entitles the student to a refund of this portion of his fees: Eight-week term, first week 75%; second and third weeks 50%. Three-week term, first week 50%.

## GRADUATION REQUIREMENTS

**UNIVERSITY CATALOG.** For complete details concerning university regulations and requirements, see the General Catalog of the University.

**PROFICIENCY IN ENGLISH.** As a condition of graduation from Ohio University, every student must demonstrate his ability to write clear and correct English. Reference should be made to the General Catalog for a description of the tests and remedial work given in connection with this requirement.

**PHYSICAL EDUCATION.** Men students have a flexible graduation requirement of from one to four (1-4) semesters of physical education with credit. The number of semesters required is determined by the results of physical proficiency and sports tests which are offered at pre-registration periods and near the close of each semester and summer term.

Women students are required to complete four semesters of physical education courses.

Exemption from the physical education requirement is made automatically by the Registrar for a graduate student, for a student who is 30 years of age or over, or for a veteran who is 25 years of age or over, provided he has completed the requirement up to and including the semester in which he attained the required age.

**RESIDENCE.** In general the minimum residence requirement for a baccalaureate degree is two semesters or the equivalent in summer sessions which should total not fewer than 30 weeks with the completion of a minimum of 30 semester hours.

**FINAL EXAMINATIONS.** All students are required to take final examinations in order to receive credit. Final examinations are held during the last week of the term.

**APPLICATION FOR GRADUATION.** A candidate for graduation must make application for graduation in the Registrar's Office not later than the dates given in the University Calendar (see page 4). The application fee for a degree is \$10; for the Associate in Arts diploma, or diploma in Education, \$5. Application for graduation made after the time designated adds a penalty of \$5.

**SCHOLASTIC AVERAGE.** A student is required to have a scholastic average—a point-hour ratio—of 2.0 (C) on all hours earned. In addition, he must have a 2.0 average on all hours earned in his major or equivalent as determined by his college. For a student with transferred credit, this rule applies to both his cumulative record, which includes transferred credits, and his Ohio University record exclusive of transferred credits.

A student who fails to graduate because of a grade point deficiency may take, with approval of his dean, up to a maximum of 6 semester hours of work in correspondence, extension, or branches of Ohio University to make up his deficiency.

**TIME LIMIT.** A student first registers for a bachelor's degree when he enrolls in a degree college, after he has been released or advanced from the University College, and may secure that degree by fulfilling the requirements as outlined in the catalog of the year in which he first registered in the university. A student who does not complete the degree requirements within the usual three years spent in a degree college may be allowed to fulfill the same requirements at a later date, provided he completes them within seven years after his first enrollment in the University. A transfer student is governed by the same regulations, except that the number of years in which to complete the degree requirements is reduced by the number of years of transferred work.

If a student begins graduate study before he completes all requirements for a bachelor's degree, residence for the bachelor's degree will be reduced by as many weeks as credit hours of graduate work completed. The number of weeks subtracted will be credited toward the residence requirement for a master's degree if the credit is acceptable in the program approved for graduate work toward a degree. Residence used for meeting requirements for one or more bachelor's degrees may not be used for meeting the residence requirements for a master's degree.

**SUMMER SESSION COMMENCEMENT.** Degrees and diplomas are granted at the end of each term. Formal graduation exercises, however, are held at the end of the eight-week term only. Attendance at graduation exercises is required, except for those students who have been given permission to graduate *in absentia*. A candidate may make application for excuse from commencement with the dean of his college. The application form, which is filed with the Registrar, includes instructions for the mailing of the diploma and carries a diploma handling charge of \$2.





## UNIVERSITY ORGANIZATION

Ohio University is composed of the following colleges and other major units: University College, College of Applied Science, College of Arts and Sciences, College of Commerce, College of Education, College of Fine Arts, Graduate College, Division of Physical Education and Athletics, Reserve Officers' Training Corps Division, University Extension Division, The Summer Session, and The Branches. All of the colleges are degree-granting units with the exception of the first, University College.

The College of Commerce includes the School of Journalism; the College of Applied Science includes the School of Home Economics; and the College of Fine Arts includes the School of Painting and Allied Arts, the School of Music, and the School of Dramatic Art and Speech.

- The University College
- The College of Applied Science
  - The School of Home Economics
- The College of Arts and Sciences
- The College of Commerce
  - The School of Journalism
- The College of Education
- The College of Fine Arts
  - The School of Dramatic Art and Speech
  - The School of Music
  - The School of Painting and Allied Arts
- The Graduate College
- The Division of Physical Education
- The Reserve Officers' Training Corps
- The University Extension Division
- The Summer Session
- The Branches

Inquiries relative to a college and its offerings may be addressed to the dean of the college.

### THE UNIVERSITY COLLEGE

Rush Elliott, Dean

All freshmen enroll in the University College. Thus, the college is concerned primarily with the problems of first-year students—their courses of study, and their guidance during the period of transition from high school to college. The freshman year in the University College, followed by three years in one of the degree colleges, represents the normal time required for completion of any of the baccalaureate degree programs. This four-year period is shortened proportionately by attending the summer session.

The University College is organized to provide an educational program to meet the needs of the individual student. The courses in the freshman year are planned to provide a liberal basis for education at the university



level. The courses that are considered basic in the preparation for the various professions are available. Students are advised to consider the first year's work in the University as one of broad preparation for later specialization. General course requirements for each student are determined so as to complement the work done in high school and to take into account the educational objective of the student.

Every student is assigned to a counselor. Throughout the summer session the student is expected to confer with his counselor from time to time as occasion demands. The guidance program of the University College aims to encourage individual initiative and increasing assumption of responsibility by the student.

## THE COLLEGE OF APPLIED SCIENCE

E. J. Taylor, Jr., Dean

The College of Applied Science offers Bachelor of Science degree curricula in engineering and home economics. Also under the supervision of the college are the non-degree departments of engineering drawing and industrial arts.

**ENGINEERING.** Engineering curricula, accredited by the Engineers' Council for Professional Development, are offered in Architectural Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering. An Industrial Option is offered under Mechanical Engineering.

**INDUSTRIAL ARTS.** The Department of Industrial Arts offers service courses in shop laboratories for students in agriculture, education, and engineering. In addition to these, the fields required for a teaching certificate in Industrial Arts are covered in the curriculum of this department.

**HOME ECONOMICS.** The School of Home Economics has set up a program designed to meet the needs of home economists desiring additional professional preparation either at the graduate or the undergraduate level. The Summer Session offers the opportunity to meet state certification requirements for teaching, to prepare for a specialized field or to obtain an advanced degree in some area of home economics. A rotation of courses to be offered in 1954 and subsequent summers will allow the student to complete the requirements by continuing study through consecutive summers.

The School of Home Economics offers graduate work in the fields of *Home Economics Education, Foods and Nutrition, Textiles and Clothing,* and *Child Development and Family Living.* In accordance with the policy of the Graduate College two types of graduate programs have been adopted—the thesis program and the non-thesis program.

Detailed information concerning either the graduate program or the undergraduate program in the School of Home Economics may be obtained by writing to Dr. Vivian Roberts, Director, School of Home Economics, Ohio University, Athens, Ohio.

## THE COLLEGE OF ARTS AND SCIENCES

George W. Starcher, Dean

The College of Arts and Sciences provides opportunities for a liberal education through fundamental courses in the humanities, social sciences, and natural sciences. The 1954 summer program includes a balanced selection

of those courses of instruction which historically have distinguished themselves as the means whereby man has come to understand himself and the world in which he lives.

The facilities and summer staff of the college are adequate to assure personal attention to the varying needs of individual students. Faculty advisers will assist the student in making appropriate selections of sequential and related courses for the Summer Session.

The college offers the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Science in Chemistry. Students interested in prelaw, pre-medicine, pre-dentistry, nursing, or preparation for medical technology, teaching, social work, personnel, or government positions, will find appropriate courses at both the elementary and advanced levels included in the summer schedule.

## THE COLLEGE OF COMMERCE

William H. Fenzel, Acting Dean

The College of Commerce offers curricula leading to the degrees of Bachelor of Science in Agriculture, Bachelor of Science in Commerce, Bachelor of Science in Journalism, and Bachelor of Science in Secretarial Studies.

**AGRICULTURE.** Three curricula are offered: *General Agriculture*, *Pre-forestry*, and *Soil Conservation*. The University Farm offers the student an opportunity to gain practical experience.

**COMMERCE.** This curriculum comprises subjects basic to business and a liberal number of elective subjects permitting a student to plan a program of studies suited to his needs.

**JOURNALISM.** Five curricula are offered: Advertising-Management, Feature and Pictorial Journalism, News Writing and Editing, Public Relations, and Radio-TV Journalism. Students are assigned work on the staff of a local newspaper and thereby gain practical experience.

**SECRETARIAL STUDIES.** The curriculum is designed to give the student a broad cultural background, a sound knowledge of business, and a high proficiency in secretarial skills.

**BUSINESS TEACHER TRAINING.** The College of Commerce co-operates with the College of Education and offers both teaching majors and minors.

## THE COLLEGE OF EDUCATION

Harry E. Benz, Dean

The College of Education offers the degree, Bachelor of Science in Education. This degree is granted upon completion of a curriculum covering a course, normally of four years, with specialization in elementary education, in any of the academic fields for teaching in high schools, or in the special subjects of art, commerce, dramatic art and speech, guidance and counseling, home economics, industrial arts, music or physical education. The College of Education also offers a two-year "Cadet" program for elementary teachers.

A wide variety of graduate and undergraduate courses in all areas of Education will be offered in the Summer Session to meet the needs of teach-

ers who wish to renew certificates, qualify for better certificates, earn advanced degrees, or who wish simply to increase their professional competence.

Limited opportunities will be available for observation and student teaching in elementary grades and in some high school subjects. *Advance registration for this work is necessary.* Address all inquiries concerning student teaching to the Dean, College of Education, Ohio University, Athens, Ohio.

## THE COLLEGE OF FINE ARTS

Earl C. Seigfred, Dean

The College of Fine Arts, comprising the School of Dramatic Art and Speech, the School of Music, and the School of Painting and Allied Arts, offers curricula leading to the Bachelor of Fine Arts degree in the following departments: dramatic production, radio, speech, speech correction, applied music, music history and appreciation, and art education.

In the summer session, concentrated study is offered in workshops in a number of the above areas. In so far as possible, emphasis is placed on practical application with opportunities for advanced undergraduate and graduate students.

Workshops planned by the college include: Music Clinic Workshop, Workshop in Dramatics for High School Teachers, Workshop in Radio and Debate for High School Students, Workshop in Design and Commercial Art, Special Painting Classes, Opera Workshop, Music Workshop for Elementary Teachers, and Workshop in Summer Theatre.

## THE GRADUATE COLLEGE

Donald R. Clippinger, Dean

The Graduate College confers the degrees of Master of Arts, Master of Education, Master of Science, and Master of Fine Arts through the programs of instruction provided by the colleges of Arts and Sciences, Education, Commerce, Applied Science, Fine Arts, and the Division of Physical Education and Athletics. For those completing the requirements of the Master of Education degree an alternate plan is available which does not include a thesis.

The summer affords many graduate students, particularly teachers and school administrators, an opportunity to engage in advanced study. An increasing number of graduate students consider it desirable to maintain the continuity of their programs of study, and have found the less crowded summer facilities of the laboratories and the library especially conducive for research. In many areas it is possible to complete the requirements for a master's degree in four summer sessions of eight weeks each. The graduate offerings of the summer session are enhanced by special programs of study, conferences, clinics, workshops, and visiting lecturers.

Information concerning requirements for admission to the Graduate College, programs for degrees, and course offerings may be found in the Graduate College Bulletin, which will be sent upon request to the Dean of the Graduate College, Ohio University, Athens, Ohio.



## THE DIVISION OF PHYSICAL EDUCATION AND ATHLETICS

Carroll C. Widdoes, Director  
Carl T. Nessley, Assistant Director

During the Summer Session the division offers undergraduate and graduate courses for men and women students who wish to major or minor in physical education and athletics. Students are prepared to teach and coach in the following fields: elementary schools, secondary schools, and colleges. Students may also become qualified for positions in city, rural or industrial recreation, summer camps and playgrounds.

The degree, Bachelor of Science in Education, is offered to students who major in Physical Education.

The general physical education requirement for all students is as follows:

*Men* have a flexible requirement of 1 to 4 hours with credit. After completing one semester, the student may elect to take a proficiency test prescribed by the Division.

*Women* students are required to complete two years of physical education with a total of four semester hours of credit.

Exemption from the physical education requirement is made automatically by the Registrar for a graduate student, for a student who is 30 years of age or over, or for a veteran who is 25 years of age or over, provided he has completed the requirement up to and including the semester in which he attained the required age.

The Natatorium affords extensive opportunities to men and women students and faculty for recreational swimming and class instruction. This should be a pleasant recreational spot during the summer terms.

The Summer Session intramural program approximates that offered during the regular school year. Seasonal activities are based on the interests of the group. The intramural department provides the equipment necessary for participation, furnishes the facilities, and organizes and directs this program. Tournaments are scheduled in softball, volleyball, tennis, and swimming. The participating units are organized from fraternities, sororities, dormitories, clubs, and independent groups. Any student is privileged to organize a competing unit and to enter his team or individual roster at the Intramural Office.

There are no intercollegiate athletic contests during the Summer Session.

## THE RESERVE OFFICERS' TRAINING CORPS DIVISION

James R. Patrick, Coordinator  
George W. Dickerson, P.M.S. & T.  
John K. Graham, P.A.S. & T.

Ohio University maintains a Senior Division, Reserve Officers' Training Corps, consisting of two coequal departments:

THE DEPARTMENT OF AIR SCIENCE AND TACTICS

THE DEPARTMENT OF MILITARY SCIENCE AND TACTICS

Each department chairman is a senior officer on duty in that department and is referred to either as the Professor of Air Science and Tactics (P.A.S. & T.), or the Professor of Military Science and Tactics (P.M.S. & T.).

Each department offers a two-year basic course and a two-year advanced course. The Army offers specialization beginning in the second year of the basic course but the Air Force offers no specialization. Enrollment in either course is elective. However, under university requirements the Basic Course, once entered upon by the student, becomes a prerequisite for graduation and for entrance into the Advanced Course, unless he is relieved from this obligation by the Secretary of the Army or the Air Force.

R.O.T.C. courses will not be offered in the Summer Session.

## THE UNIVERSITY EXTENSION DIVISION

J. Floyd Dixon, Director

The Extension Division offers two types of services whereby students may earn college credit while living at home—extension classes and correspondence study. Correspondence courses are available at both the high school and the college levels. Extension classes are organized in any community within a reasonable distance of the University, provided the required number of students can agree upon a course.

A contract with the United States Armed Forces Institute (USAFI) makes our correspondence courses available to members of the Armed Forces. Write for special USAFI Bulletin.

In extension classes and in correspondence study, students may earn 40 semester hours of credit to apply toward a bachelor's degree. Under certain conditions six semester hours of extension class credit can be applied toward the master's degree. Send inquiries to the Director of Graduate Studies.

A student desiring to take correspondence work while in residence at any college or university must secure the permission of his dean.

Ohio University is a member of the National University Extension Association. This association is made up of over 80 recognized colleges and universities that maintain divisions of university extension. It promotes standards by strict procedures for admission to membership.

Persons interested are to write to the Director, Extension Division, Ohio University, Athens, Ohio, for a bulletin and other information.

## THE BRANCHES

Albert C. Gubit, Director

Since 1946, Ohio University has offered work at the freshman and sophomore levels in its three branch schools at Chillicothe, Portsmouth, and Zanesville. The branches were originally established on a temporary basis to accommodate the unprecedented number of students desiring to enter college following World War II.

Because of their importance to well-qualified applicants, Ohio University has made every effort to offer limited educational opportunities in the three cities. The extent and nature of the work to be offered will depend upon (a) enrollment and (b) availability of qualified instructors. No work is offered in summer sessions.

## COURSES OF INSTRUCTION

Classes in the Summer Session are held five days a week, Monday to Friday, inclusive. Class periods are 60 minutes in length, with ten-minute intervals between. The morning schedule will begin at 7:00 and continue with classes at 8:10, 9:20, 10:30, and 11:40. The relatively few afternoon recitation and laboratory periods have been scheduled, for the most part, at 1:40, 2:50, and 4:00.

Normally, a class carrying three hours of credit will meet daily (Saturday not included) for one hour; a class carrying two hours of credit, on Monday, Wednesday, and Friday; and a class carrying one hour of credit, on Tuesday and Thursday.

In the list of offerings a typical title line contains the following information: (1) course number, (2) course title, (3) credit hours, (4) hour(s) and days of the week on which class meets, and (5), the instructor. When the abbreviation, "Arr.," is used it means that the hour and/or day of meeting is arranged in a conference between instructor and student.

In a course carrying variable credit the credit may be expressed thus, (1 to 4), indicating that one hour is the minimum and four hours the maximum amount of credit allowed for the course in one summer session.

When there is a fee connected with a course the amount is indicated in the course description.

The catalog number indicates the student classification for which the course is designed. The numbers are grouped as follows: 1 to 99, for freshman; 100 to 199, for undergraduates above freshman level; 200 to 299, for advanced undergraduates; 300 to 399, for advanced undergraduates and graduates; and 400 to 499 for graduates.

A Schedule of Classes giving, in addition to the information below, the meeting places of classes may be obtained at the Registrar's Office.

### ACCOUNTING

75. **ELEMENTARY ACCOUNTING** (3) 7:00, 8:10 MTWThF **Beckert**  
(First four weeks.) The fundamental principles of accounting theory and practice as they affect corporations, partnerships, and proprietorships.
76. **ELEMENTARY ACCOUNTING** (3) 7:00, 8:10 MTWThF **Beckert**  
(Second four weeks.) A continuation of Accounting 75.
391. **RESEARCH IN ACCOUNTING** (2 to 4) **Arr. Staff**

### ADVERTISING

155. **ADVERTISING PRINCIPLES** (3) 10:30 MTWThF **Paynter**  
A survey of advertising which considers its place in the field of marketing and its fundamental procedures.
381. **RESEARCH IN ADVERTISING** (2 to 4) **Arr. Staff**



## AGRICULTURE

102. **VEGETABLE GARDENING** (3) 8:10 MTWThF DeVeau, Rose  
Classification, description, use, culture, grading, storing, and marketing of vegetable crops. Fee, \$3.
108. **FLORAL DESIGNING** (2) 10:30, 11:40 MW; 10:30 F Rose  
The arrangement, in containers, of cut flowers and other plant material for the home. A study of house plants and their care. Fee, \$5.
109. **LANDSCAPE GARDENING** (3) 9:20 MTWThF Rose  
The principles of landscape planning as applied to gardening of the home grounds, civic improvement, the culture of lawns, ornamental flowers and shrubs. Fee, \$3.
124. **GENERAL DAIRYING** (3) 7:00 MTWThF DeVeau  
The fundamentals of milk production, handling, marketing, and the manufacture of products made from milk. Fee, \$3.
201. **FARM PRACTICES** (3) 1:00-5:30 p.m. as arr. Stright  
Practical experience on the University Farm. Required of all seniors.
202. **FARM PRACTICES** (3) 1:00-5:30 p.m. as arr. Stright  
Practical experience on the University Farm. Required of all seniors.
322. **AGRICULTURAL PROBLEMS** (2 or 3) Arr. DeVeau, Rose  
Designed to train the student in some important advanced phase of agriculture. Geared to meet individual problems with emphasis on individual study with systematic instruction.
- c. **Agricultural Organizations**—An examination of the various agencies related to agriculture: government, state, co-operative, and private business enterprises.
  - e. **Dairy Production**—Specific study of dairy husbandry with emphasis on breeding and management.
  - g. **Pomology**—A study of fruit production; disease, spraying systems and storage.
  - i. **Plant Propagation**—The assignment of a special problem pertaining to the propagation of ornamental plants.
381. **RESEARCH IN AGRICULTURE** (2 or 3) Arr. Staff

## ART

### DESIGN

- 160c. **PRACTICAL DESIGN WORKSHOP FOR ELEMENTARY TEACHERS**  
(1 to 3) 7:00, 8:10 MTWThF Leonard  
(Same as Ed. 160c.) Problems in modeling, ceramics, bookbinding, lettering, painting, and other activities related to elementary school problems. Fee, \$3.
301. **WORKSHOP IN DESIGN** (1 to 3) 8:10 MTWThF Smith  
(Second four weeks). Students assigned projects for practical experience.
381. **RESEARCH IN DESIGN** (1 to 3) Arr. Staff

### PAINTING

205. **PAINTING** (2 or 3) Arr. Mitchell  
Practical application in color mediums.
341. **ADVANCED PAINTING** (2 or 3) Arr. Mitchell
- 341s. **ADVANCED PAINTING** (Special Painting Classes)  
(1 or 2) 1:00-5:00 MTWThF Sample  
(Third and fourth weeks: July 6-16.) Fee, \$8.

- 341s. **ADVANCED PAINTING** (Special Painting Classes) (1 or 2) 1:00-5:00 MTWThF Bohrod  
 (Fifth and sixth weeks: July 19-30.) Fee, \$8.
431. **ADVANCED PICTORIAL COMPOSITION** (1 to 3) Arr. Mitchell
491. **SEMINAR IN PAINTING** (1 to 3) Arr. Mitchell

#### SCULPTURE AND CERAMICS

301. **WORKSHOP IN PLASTIC DESIGN** (1 to 3) 8:10 MTWThF Hostetler  
 (First four weeks.) Fee, \$5.

#### BOTANY

4. **GENERAL BOTANY** (3) 10:30, 11:40 MTWTh Wallace  
 A study of the structure and functions of plants and a survey of the groups of the plant kingdom, their life cycles, classifications, reproduction, genetics and their fundamental interrelationship with each other and with man and other animals. Fee, \$5.
108. **VEGETATION OF NORTH AMERICA** (2) 9:20 MTWTh Wallace  
 An illustrated lecture-demonstration course considering the plant formations of the United States and Canada. Fee, \$3.
210. **PLANT BREEDING AND GENETICS** (3) 7:00, 8:10 MTWTh Wallace  
 A course dealing with the new experimental and practical analytical methods of studying evolution of plants. Fee, \$5.
343. **BOTANICAL STUDIES** (2 to 4) Arr. Wallace  
 Semi-independent studies supervised by instructor. Program to be arranged. Fee, \$5.
381. **RESEARCH PROBLEMS IN BOTANY** (1 to 4) Arr. Staff  
 Independent research in Botany. Maximum credit in course, 8 hrs. Fee, \$3.
391. **SEMINAR IN BOTANY** (1) Arr. Staff  
 Advanced study and original research. Required of all majors and graduate students.

#### BUSINESS LAW

255. **BUSINESS LAW** (3) 7:00, 8:10 MTWThF Romig  
 (First four weeks.) The principles of law involved in contracts, agency, sales, negotiable instruments, partnerships, and corporations.
256. **BUSINESS LAW** (3) 7:00, 8:10 MTWThF Romig  
 (Second four weeks.) A continuation of Business Law 255.
275. **GOVERNMENT AND BUSINESS** (3) 9:20 MTWThF Romig  
 A study of statutes and court decisions by which government controls, regulates, and aids business under the commerce clause, the police power, and the anti-trusts laws.
381. **RESEARCH IN LAW** (2 to 4) Arr. Staff

#### CHEMISTRY

2. **GENERAL CHEMISTRY** (4) 10:30 MTWThF; 1:40-5:00 MW Eblin, Ingham  
 The second half of the beginning course in chemistry. Fee, \$10.
107. **QUANTITATIVE ANALYSIS** (4) 9:20 MTW; 1:40-5:00 MTW Clippinger, Eblin  
 The "short course" in quantitative analysis. It includes the practical, theoretical, and problem phases of analytical procedure. Fee, \$12.
113. **ORGANIC CHEMISTRY** (4) 8:10 TTh; 9:20 MTWThF Ingham  
 The "short course" in organic chemistry, designed for students of home economics, medical technology, pre-dentistry, and others not majoring in chemistry or pre-medicine.







117. **ORGANIC CHEMISTRY LABORATORY** (2) 1:40-5:00 MTW Ingham  
The "short course" in organic chemistry laboratory, designed to accompany 113. Fee, \$12.
315. **PHYSICAL CHEMISTRY LABORATORY** (3) Arr. Eblin  
Fee, \$12.
316. **PHYSICAL CHEMISTRY LABORATORY** (3) Arr. Eblin  
Fee, \$12.
351. **SPECIAL PROBLEMS IN CHEMISTRY** (2 or 3) Arr. Staff  
Minor research and development of investigative procedures used in the various branches of chemistry. Laboratory and library work. Fee, \$15.
481. **RESEARCH IN CHEMISTRY** (2 to 4) Arr. Staff  
Fee, \$15.

## CLASSICAL LANGUAGES

### LATIN

127. **CLASSICAL LATIN PROSE** (1 to 3) 8:10 MTWThF Murphy  
Adapted to the needs of individual students, particularly of those who wish to teach Latin.
340. **SPECIAL WORK IN LATIN** (1 to 4) Arr. Murphy  
Work to fit individual needs.

### DRAMATIC ART

- 21s. **ELEMENTS OF STAGE SCENERY** (4) 8:10 MW and arr. Catalano  
Basic technical considerations in producing a play; underlying principles of scenic construction; types and utilization of stage scenery. Fee, \$10.
- 47s. **THEATRE LABORATORY** (4) Arr. Catalano, Marsden  
Participation in costuming, make-up and technical work coincident with the productions of the Ohio Valley Summer Theatre. Fee, \$10.
- 285s. **WORKSHOP IN DIRECTING, ACTING AND HOUSE MANAGEMENT** (4) Arr. Lane, Dyas  
Participation in productions of the Ohio Valley Summer Theatre. Fee, \$10.
- 286s. **WORKSHOP IN SCENE DESIGN, CONSTRUCTION AND LIGHTING** (4) Arr. Catalano, Marsden  
Participation in productions of the Ohio Valley Summer Theatre. Fee, \$10.
- 350s. **PLAY DIRECTION** (4) 8:10 TTh and arr. Dyas  
Preparation of plays for public performance; analysis of the script; methods of casting and rehearsal. Capable students serve as assistant directors for the summer plays. Fee, \$10.
- 347s. **WORKSHOP IN DRAMATICS FOR HIGH SCHOOL TEACHERS** (2) 8:10, 9:20 MTWThF Andersch  
(Two weeks only, June 28 to July 10.) Designed especially for high school teachers of dramatics and others who work with high school plays. Observation and participation in all phases of production in the Ohio Valley Summer Theatre. Class lectures, discussions and reports. Fee, \$10.
- 481s. **SEMINAR IN DIRECTING OR THEATRE MANAGEMENT** (4) Arr. Dyas  
Concentrated study in advanced directing or management. Conferences, independent research or experimentation, and summary reports. Fee, \$10.
- 491s. **SEMINAR IN TECHNICAL THEATRE OR COSTUMING** (4) Arr. Catalano  
Advanced study in scene design, lighting, scenery construction or costuming. Individual research, class discussions and reports. Fee, \$10.

## ECONOMICS

101. **PRINCIPLES OF ECONOMICS** (3) 7:00, 8:10 MTWThF Davis  
(First four weeks.) The basic theory and economic analysis of prices, markets, production, wages, interest, rent, and profits; economic problems and economic institutions of society; labor unions, money and banking, taxation, public utilities, international trade, business cycles, and agriculture.
102. **PRINCIPLES OF ECONOMICS** (3) 7:00, 8:10 MTWThF Levinson  
(Second four weeks.) A continuation of Economics 101.
335. **LABOR ECONOMICS** (3) 9:20 MTWThF Levinson  
Survey of economic forces generating modern labor problems. History of labor movement, labor in politics, labor-management relations, wages, and full employment.
381. **RESEARCH IN ECONOMICS** (2 to 4) Arr. Staff

## EDUCATION

### ELEMENTARY EDUCATION

101. **MATERIALS AND METHODS IN KINDERGARTEN-PRIMARY EDUCATION** (2) 7:00 MWF Wilson  
A study of work and play activities of early childhood; and the development, use and care of materials best suited to this age group. Fee, \$2.
102. **LITERATURE FOR CHILDREN** (3) 9:20 MTWThF Quick  
A study of traditional and modern literature for children. Special emphasis on experiences with children and books.
103. **STUDIES OF CHILDREN** (3) 1:40 MTWThF Starks  
Consists of material to help teachers understand children, study of growth sequence from birth through adolescence; the influences affecting growth; methods of studying children.
109. **CONFERENCE IN ELEMENTARY EDUCATION** (1) Staff  
(August 9-August 12.) A workshop for teachers organized about a general theme with opportunity for exploration of personal problems. Fee, \$12.
210. **STUDENT TEACHING LABORATORY** (4) 1:40, 2:50 MTWThF N. Dille  
Laboratory study approach to the generalizations and principles in classroom administration and pupil adjustment. Fee, \$4.
211. **THE CHILD AND THE CURRICULUM** (3) 11:40 MTWThF Dallman  
Study of the content of the elementary school curriculum.
309. **WORKSHOP IN ELEMENTARY EDUCATION** (3) Staff  
(August 16-September 3.) A service course to help teachers solve the problems they are facing in the classroom. Workshop method of teaching and learning will be used.
403. **ADVANCED STUDIES OF CHILDREN** (3) 8:10 MTWThF Dallman  
Intensive study of certain basic research in child development and its implications for education.
411. **PROBLEMS IN ELEMENTARY CURRICULUM** (3) 11:40 MTWThF Quick  
A critical study of the basic issues and theories underlying curriculum development.
412. **SEMINAR IN ELEMENTARY EDUCATION** (2) 9:20 MWF N. Dille  
For teachers and administrators who wish to do individual research, group study and planning in the areas of elementary education.

## HISTORY AND PHILOSOPHY

351. **THE SCHOOL IN THE SOCIAL ORDER** (3) 9:20 MTWThF Staff  
Education in the United States from the colonial period to the present. The social, political, economic, religious, and philosophical foundations which have conditioned the evolution of the public schools.
354. **PHILOSOPHY OF EDUCATION** (3) 8:10 MTWThF Staff  
A comparison of pragmatism, idealism, and realism as philosophical bases for education. Each student is helped to formulate his philosophy of education.
358. **WORKSHOP IN ECONOMIC EDUCATION** (3) Staff  
(June 21-July 9.) Devoted to a study of the nature of the American system of free enterprise and major social-economic problems involved in it.

## LIBRARY SCIENCE

(See Library Science)

## RESEARCH AND SCIENTIFIC TECHNIQUES

484. **RESEARCH IN EDUCATION** (1 to 6) Arr. Staff  
Students are directed in the investigation of selected phases of educational theory and practice.
488. **INTRODUCTION TO GRADUATE STUDY** (3) 8:10 MTWThF Drake  
(3) 10:30 MTWThF N. Dilley  
Methods of research in education; the selection, planning, and evaluation of research problems; the history and purposes of graduate education.

## SECONDARY EDUCATION

130. **SECONDARY EDUCATION** (4) 10:30 MTWThF; 11:40 TTh Drake  
Purposes and problems of secondary education, curricular content and organization, guidance, evaluation, administration and organization, as they affect the high school teacher.
228. **PRINCIPLES OF TEACHING** (3) 1:40 MTWThF C. Roberts  
Basic principles of learning and teaching, improving classroom procedure, selecting teaching-learning experiences, and measuring the effectiveness of teaching.
270. **SENIOR CONFERENCE** (2) 11:40 MWF Staff  
An integrating seminar to give professional focus to the total undergraduate program.
428. **ADVANCED PRINCIPLES OF TEACHING** (3) MTWThF Quick  
Critical appraisal of teaching in the light of available research on learning and teaching.

## ADMINISTRATION AND SUPERVISION

332. **THE HIGH SCHOOL CURRICULUM** (2) 9:20 MWF Drake  
High school program of studies, contributions of various subjects, theories of curriculum construction, curriculum research, and desirable steps in the reorganization of the high school curriculum.
340. **SCHOOL PUBLIC RELATIONS** (2) 10:30 MWF Lynn  
The function of public relations in school administration in (1) public understanding of the school's work, (2) development of the media for desirable steps in the reorganization of the high school curriculum.
360. **GUIDANCE PRINCIPLES** (3) 8:10 MTWThF Lynn  
Need for guidance in schools: nature of guidance; the major services, their operation, organization, and evaluation.
410. **ADMINISTRATION OF THE ELEMENTARY SCHOOL** (2) 7:00 MWF Crowell  
Responsibilities of teachers and principal in democratic administration in areas of curriculum construction, supervision, plant management, public relations.



430. **HIGH SCHOOL ADMINISTRATION** (2) 7:00 MWF Lynn  
Program of studies, health, vocational education, guidance, extracurricular activities, provisions for individual differences, the selection and assignment of teachers, the school schedule.
440. **LOCAL SCHOOL ADMINISTRATION** (3) 10:30 MTWThF McKelvey  
Emphasis upon local and community administration—the administrative process, democratic school administration, role of leadership, structural organization of school districts, board of education, superintendency.
441. **STATE AND NATIONAL SCHOOL ADMINISTRATION** (3) 1:40 MTWThF Staff  
Emphasis upon state and national school administration, the state program of education, state responsibility, educational organization, certification, tenure, federal relations to education and national problems in education.
442. **SCHOOL FINANCE AND BUSINESS ADMINISTRATION** (2) 7:00 MWF Berry  
Local, state, and federal finance, with problems in the financing of schools; business management, financial reports, school purchasing, transportation, and insurance.
443. **SCHOOL LAW** (2) 8:10 MWF Crowell  
The constitutional basis for education, schools, and their legal setting, school legislation and court decisions, with special reference to Ohio school law.
446. **SUPERVISION OF INSTRUCTION** (3) 10:30 MTWThF Felsing  
Principles underlying democratic supervision and techniques which promote the growth of teachers in service.

#### OBSERVATION AND STUDENT TEACHING

272. **STUDENT TEACHING IN ELEMENTARY GRADES** (5) Arr. Dunham  
Fee, \$14.
280. **OBSERVATION AND PARTICIPATION IN HIGH SCHOOL** (2) Arr. C. Roberts, Staff
281. **OBSERVATION AND STUDENT TEACHING IN HIGH SCHOOL** (5) Arr. C. Roberts, Staff  
Fee, \$14.
283. **STUDENT TEACHING IN SPECIAL SUBJECTS** (Elementary Art, Music, Physical Education) (2) Arr. C. Roberts, Staff  
Fee, \$4.
284. **STUDENT TEACHING IN SPECIAL SUBJECTS** (High School Physical Education) (2) Arr. C. Roberts, Staff  
Fee, \$4.
285. **STUDENT TEACHING IN SPECIAL SUBJECTS** (High School Agriculture, Commerce, Industrial Arts) (3) Arr. C. Roberts, Staff  
Fee, \$8.

#### TEACHING TECHNIQUES

##### Elementary

- 163b. **TEACHING READING AND LANGUAGE** (3) 7:00 MTWThF Dallmann  
Covers the language arts program in the elementary school. Emphasizes methods and materials valuable in promoting child development in reading and expressional phases of language.
- 163j. **TEACHING ARITHMETIC IN THE ELEMENTARY SCHOOL** (3) 11:40 MTWThF Dunham  
A grade-by-grade development of topics and methods of presentation of the arithmetic program.
- 169f. **TEACHING SOCIAL STUDIES AND SCIENCE IN THE ELEMENTARY SCHOOL** (3) 9:20 MTWThF Felsing  
Materials and methods used in teaching the content subjects in the elementary schools; emphasis upon human and natural resources and relationships.

## ENGLISH

3. **ENGLISH COMPOSITION** (3) 7:00 MTWThF Kendall  
Beginning with a brief review of grammar and paragraph building, the course offers practice in writing clear, forceful exposition.
101. **SOPHOMORE ENGLISH LITERATURE** (3) 9:20 MTWThF Kendall  
A survey of English literature from the Middle Ages through the Seventeenth Century, with particular emphasis on Chaucer, Shakespeare, and Milton.
112. **THE CHIEF AMERICAN WRITERS** (3) 9:20 MTWThF Foster  
Selected prose and poetry from the writings of Holmes, Whittier, Lowell, Melville, Whitman, James, Frost, and other major figures.
268. **CONTEMPORARY BRITISH AND AMERICAN POETRY** (3) 10:30 MTWThF Foster  
A study of the major poets writing in English since World War I, including Auden, Eliot, Jeffers, Hart, Crane, Aiken, Cummings, and Stephen Benet.
324. **SHAKESPEARE** (3) 8:10 MTWThF Kendall  
Intensive analysis of the great tragedies and more rapid reading of other tragedies and the sonnets, Shakespearean scholarship and criticism. A research paper.
352. **POETRY OF THE VICTORIAN PERIOD** (3) 10:30 MTWThF Hodnett  
The poetry of Tennyson, Browning, Arnold, the Pre-Raphaelites, Hardy, and others.
353. **ENGLISH PROSE OF THE NINETEENTH CENTURY** (3) 7:00 MTWThF Foster  
A study of the essayists and major prose writers of the Romantic and Victorian periods, including Lamb, Hazlitt, Coleridge, Carlyle, Newman, Ruskin, and Arnold.
362. **TWENTIETH CENTURY MASTERS** (3) 9:20 MTWThF Hodnett  
A consideration of such writers as Shaw, O'Neill, Mann, Joyce, Hemingway, and T. S. Eliot.
390. **STUDIES IN ENGLISH** (1 to 3) Arr. Staff
470. **SEMINAR IN LITERARY PROBLEMS** (3) Arr. Hodnett  
Intensive study of Chaucer's *Troilus and Criseyde*. Individual problems and reports.

## FINANCE

101. **MONEY AND CREDIT** (3) 10:30 MTWThF Hanson  
The elementary concepts of money, credit and exchange, and a historical survey of monetary systems with special emphasis on price stabilization, monetary reform, and bank credit expansion problems.
121. **BUSINESS FINANCE** (3) 11:40 MTWThF Hanson  
The elements of business finance, the corporation, corporate securities, and financial plans.
381. **RESEARCH IN FINANCE** (2 to 4) Arr. Staff

## FINE ARTS

401. **INTRODUCTION TO GRADUATE WORK IN SPEECH** (3) 9:20 MTWThF Kantner  
Men, movements and professional literature in the field of speech. Conduct of research and selection of a thesis problem.

## GENERAL STUDIES

### BIOLOGY

2. **THE LIVING WORLD** (3) 10:30, 11:40 MTThF Stehr  
A course concerning biological principles and their broad applications. Fee, \$5.

### HUMANITIES

7. **GREAT BOOKS** (3) 9:20 MTWThF Murphy  
Reading and discussion of books which have expressed and stimulated thinking on man's relation to society and environment and his concept of right and wrong. Typical authors: Homer, Plato, Machiavelli, Defoe, Thoreau, and Ibsen.

### PHYSICS

3. **THE PHYSICAL WORLD** (3) 10:30 MWF; 1:40, 2:50 TTh Pierce  
A general laboratory physical science course for nonscience majors designed to include a study of the principles, methods, and philosophy of the physical sciences; the historical evolution of certain physical concepts; scientific reasoning; and the most important laws in nature. Does not fulfill physics requirements for science majors. Fee, \$4.

### GEOGRAPHY

202. **GEOGRAPHY OF THE UNITED STATES AND CANADA** (3) 8:10 MTWThF Rudd  
Regional treatment of United States, Canada and Alaska, emphasizing the influences of location, climate, earth surface forms, soil, minerals and natural vegetation upon, and the inter-relationship with, human responses.
231. **GEOGRAPHY OF OHIO** (2) 9:20 MTThF Dow  
Detailed regional study of Ohio developed by problem methods.
232. **CONSERVATION OF NATURAL RESOURCES** (3) 11:40 MTWThF Dow  
Problems in the conservation of soils, water, minerals, forests, and wildlife as related to land use. The inter-relations of these various factors and their educational significance. Field trips. Fee, \$2.
250. **GEOGRAPHY AND ENVIRONMENT** (3) 10:30 MTWThF Rudd  
The principles of geography. Aspects of geography which have to do with the adjustment of man and the responses of plants and animals to the natural environment throughout the world. Not open to students who have had Geography 4.
302. **CLIMATOLOGY** (3) 11:40 MTWThF Rudd  
Nature, causes, and significance of weather and climate on a world-wide regional basis.
380. **WORKSHOP IN CONSERVATION EDUCATION** (1) Arr. Dow  
(June 21-26.) A workshop for teachers and teachers in training, emphasizing projects and techniques valuable for associating conservation with the basic grade and high school areas. Note: by arrangement with the instructor, regular summer session students may do a part of the work before or after the designated week. Laboratory fee, \$3.
- 381s. **WORKSHOP IN AVIATION EDUCATION** (1) Arr. Dow  
(July 12-17.) A course designed to acquaint teachers with those phases of aviation which frequently appear in their regular classroom work. Laboratory fee, \$3. See page 18.
382. **FIELD STUDIES AND SPECIAL PROBLEMS IN GEOGRAPHY** (1 to 4) Arr. Dow  
Supervised geographic studies of local areas, industries or conditions involving fundamentals of geographic research. Fee, \$3.



## GERMAN

18. **BEGINNING GERMAN** (3) 8:10 MTWThF Hess  
The fundamental grammatical principles, drill in pronunciation, conversation, and the reading of prose.
100. **INTERMEDIATE GERMAN** (3) 10:30 MTWThF Hess  
Pronunciation, reading, conversation, and translation. The course is for students desiring either semester of second-year German, and may be taken either before or after German 101 without duplication.

## GOVERNMENT

2. **AMERICAN GOVERNMENT** (3) 9:20 MTWThF Gusteson  
The organization and functioning of state and local governments.
6. **CURRENT POLITICAL AND SOCIAL PROBLEMS** (2) 7:00 MWF Gusteson  
A consideration of current problems of a political, social and economic nature, with particular emphasis on problems in the field of government.
308. **LEGISLATURES AND LEGISLATIVE PROCESSES** (3) 10:30 MTWThF Gusteson  
Major problems of representative government with respect to legislative assemblies. Analysis of structure, organization, and procedures; problems of representation; relationship between the legislature, the executive, courts, and the people.
398. **PROBLEMS IN GOVERNMENT** (1 to 3) Arr. Gusteson  
Research or directed reading based upon the student's special interest.
401. **RESEARCH IN GOVERNMENT** (1 to 3) Arr. Gusteson

## HISTORY

2. **WESTERN CIVILIZATION IN MODERN TIMES** (3) 9:20 MTWThF Gustavson  
The industrial revolution, the unification of Italy and Germany, modern imperialism in Africa and Asia, the rise of Japan, the United States as a world power, World War I, the rise of totalitarian states, World War II, and efforts toward world organization.
101. **HISTORY OF THE UNITED STATE TO 1865** (3) 10:30 MTWThF Volwiler  
This course covers the political, diplomatic, social and economic development of the American people through the Civil War.
325. **THE WESTWARD MOVEMENT** (3) 9:20 MTWThF Volwiler  
Expansion from the Atlantic to the Pacific; explorations, Indian trade, land policies, pioneer life, territorial acquisitions and state making, trails and railroads to the Far West, rise of cowboy land, types of later frontiers, and influence of the West upon American ideals and institutions.
370. **EUROPE BETWEEN WARS** (3) 11:40 MTWThF Gustavson  
Fascism, communism, and the twenty-year armistice between 1919 and 1939.
375. **HISTORY OF RUSSIA** (3) 8:10 MTWThF Gustavson  
A survey from the earliest times to the present. The Russian background of communist ideas, organization, and practices is stressed.
392. **PROBLEMS IN HISTORY** (1 to 3) Arr. Staff  
Intensive individual work either in research or in systematic reading along the lines of the student's special interest under the supervision of a member of the staff.
395. **HISTORIOGRAPHY AND METHODOLOGY** (3) Arr. Volwiler  
An introduction to the technique of historical investigation with practice in historical criticism and writing.

## HOME ECONOMICS

300. **NEW DEVELOPMENTS IN TEXTILES** (2) 1:40-4:00 MTWThF Cowan  
(First four weeks.) New developments in textile fibers with special emphasis on new fibers, their characteristics, uses, and care, sources of illustrative materials, methods of presentation, and testing procedures adaptable to the high school curriculum will be included.
313. **CLOTHING AND TEXTILES FOR THE CONSUMER** (2) 9:20, 10:30 MTWThF Cowan  
(First four weeks.) Study of wearing apparel and home furnishings from the standpoint of quality in relation to cost. Units will be developed for use in the homemaking curriculum.
323. **FOOD PRESERVATION** (2) 1:40, 2:50 MTWThF Lewis  
(Second four weeks.) Methods of home food preservation and factors affecting palatability and retention of nutrients in processed food.
- 368b. **DEMONSTRATION TECHNIQUES** (3) 9:20, 10:30 MTWThF Lewis  
(Second four weeks.) Practical experience in the demonstration of foods, equipment, or clothing. Planned for teachers and for those going into foods or public utility work.
372. **WORKSHOP IN CHILD DEVELOPMENT** (3) 8:10, 9:20, 10:30 MTWThF Nehls  
(First four weeks.) Actual experience with pre-school children will be provided through the Nursery School.
373. **WORKSHOP IN FAMILY LIVING** (2) 1:40, 2:50 MTWThF Nehls  
(First four weeks.)
- 390a, b, c, d, e. **FIELD WORK IN HOME ECONOMICS** (2 to 4) Arr. V. Roberts  
(a) Home Economics Extension  
(b) Home Service Work with Public Utilities  
(c) Institutional Management  
(d) Retail Merchandising  
(e) Radio-TV  
Through cooperation with business organizations, department stores, radio-TV stations, and the Home Economics Extension Department, opportunities are given for on-the-job training and practical experience. Students are assigned to a faculty adviser who serves as co-ordinator of the work established with these outside agencies.
391. **SEMINAR IN HOME ECONOMICS** (1 to 2) Arr. V. Roberts

## HUMAN RELATIONS

301. **MARRIAGE** (3) 11:40 MTWThF Gentry  
A clinical approach to the problems of dating, courtship, marriage, parenthood, and childhood adjustments in the light of scientific and philosophical thinking of today. Fee, \$1.
303. **HUMAN RELATIONS** (3) 11:40 MTWThF Paulsen  
A course taught by the case method, designed for students interested in studying the habits and skills of analysis, judgment, and action important to people in all walks of life. Fee, \$1.
304. **HUMAN RELATIONS** (3) 8:10 MTWThF Black  
A continuation of 303.
325. **FIELD WORK OR RESEARCH IN HUMAN RELATIONS** (1 to 3) Arr. Black  
An opportunity for individual work in specialized areas of human relations; field work in human relations; or research under the direction of the staff.

## INDUSTRIAL ARTS

1. **GENERAL WOODWORKING I** (3) 1:40, 2:50 MTWThF Calvin  
Common hard and soft woods, hand tools and machinery, joints and other methods of wood fabrication, glues, finishes, and the plumbing of projects. Fee, \$3.
2. **GENERAL WOODWORKING II** (3) 1:40, 2:50 MTWThF Calvin  
Woodworking machinery, cabinet construction, decorative processes, veneering and house framing. Fee, \$3.
6. **WOOD TURNING** (2) 1:40, 2:50 MWF Calvin  
Includes spindle, faceplate, chuck, mandrel turning, and methods of finishing on the wood lathe. Fee, \$2.
9. **CRAFT AND HOBBY WORK** (2) 1:40, 2:50 MWF Sellon  
A laboratory course in which any student of the University may learn to work with wood, metal, leather, reed, plastics, textiles or other available materials. Fee, \$2.
11. **DUPLICATING** (3) 9:20, 10:30 MTWThF Kinison  
Mimeograph, gelatin duplicator, spirit duplicator, silk screen printing, photography, block printing, etching, dry point, and blueprinting. Fee, \$3.
13. **GENERAL COLD METALS** (3) 9:20, 10:30 MTWThF Calvin  
Hand and machine work in sheet metal, bench metal and machine shop. Fee, \$3.
14. **GENERAL HOT METALS** (3) 7:00, 8:10 MTWThF Sellon  
Forge, foundry, and welding practice. Related information, both technical and general, is included. Fee, \$5.
107. **SHEET METAL** (2) 9:20, 10:30 MWF Calvin  
Laying out, cutting, forming, joining, decorating and finishing sheet metals. Use and maintenance of hand tools and machine tools are emphasized. Fee, \$2.
109. **CABINETMAKING** (3) 1:40, 2:50 MTWThF Calvin  
The design and construction of various kinds of cabinets. Includes individually-designed projects and production methods. Fee, \$3.
115. **INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL** (1 or 2)  
1:40, 2:50 MWF Sellon  
The operation and use of common hand tools to form wood, metal and other materials. Planning and construction of articles commonly associated with elementary school classroom work. Fee, \$2.
124. **MACHINE SHOP** (2) 9:20, 10:30 MWF Calvin  
The shaping of metal by the use of the engine lathe, the shaper, the milling machine, and including the care and upkeep of these machines. Fee, \$2.
128. **ADVANCED METAL WORK** (3) 9:20, 10:30 MTWThF Calvin  
Continuation of technical operations on metalworking machinery, theory of inspection, product control, gauging and measuring devices. Laboratory work includes operations in both cold and hot metal areas. Fee, \$3.
129. **WELDING** (2) 7:00, 8:10 MWF Sellon  
Application of principles and techniques of oxy-acetylene and arc fusion welding of ferrous and nonferrous metals; brazing; selection, care and use of equipment and supplies; welding metallurgy. Fee, \$8.
141. **PRINTING** (3) 9:20, 10:30 MTWThF Kinison  
Learning the case, composition of straight matter, pulling and correcting proofs, imposition, distribution, and platen presswork. Fee, \$3.
142. **PRINTING** (3) 9:20, 10:30 MTWThF Kinison  
Papers and paper making, ink, care of supplies, designing and setting display composition, the making of stereotype mats and castings, and platen presswork. Fee, \$3.





199. **ADMINISTRATION OF DRIVER EDUCATION** (2) Perry  
 (August 23 to Sept. 3.) For prospective driving teachers. Certification by the American Automobile Association upon completion. Certification for teaching in the high schools of Ohio depends upon certification in at least one other high school subject. Prereq., driver's license. Fee, \$5.
328. **SPECIAL PROBLEMS IN INDUSTRIAL ARTS** (1 to 3) 1:40 MTWThF Kinison  
 A research course where individual problems are selected for investigation, solution, and reporting. Maximum credit in course, 6 hrs.
- 450 a, b, c. **ADVANCED WORK IN WOOD, METAL, OR PRINTING**  
 (2) Arr. Sellon, Kinison, Calvin  
 Advanced laboratory work in the wood, metal, or printing areas along with a study of the industrial practices in the field selected. The course may be repeated in different areas for a maximum credit of 6 hrs, 4 lab.
471. **ADMINISTRATION AND SUPERVISION OF INDUSTRIAL EDUCATION**  
 (3) 8:10 MTWThF Calvin  
 A study of the philosophy of industrial education, of the Federal laws pertaining to vocational education and of the problems and practices of administration and supervision of vocational and non-vocational industrial education in the public schools.
481. **RESEARCH IN INDUSTRIAL ARTS** (1 to 3) 11:40 MTWThF Kinison  
 Students are directed in the investigation of selected phases of the theory and practice of industrial education. Maximum credit in course, 6 hrs.
491. **SEMINAR IN INDUSTRIAL ARTS EDUCATION** (1 to 3) 9:20 MTWThF Sellon  
 Reports on recent books and magazine articles and reports based upon original research will be given and followed by group discussion and criticism. Maximum credit in course, 6 hrs.

## JOURNALISM

105. **HISTORY OF AMERICAN JOURNALISM** (3) 9:20 MTWThF Hortin  
 A study of the development of newspaper, magazine, and radio journalism from the colonial period to the present, including political, economic, and mechanical aspects.
111. **REPORTING PRACTICE** (1 to 6) Arr. Reamer  
 Students are assigned to general reporting on *The Athens Messenger*, which includes the covering of definite news beats as well as special assignments.
221. **EDITING PRACTICE** (1 to 6) Arr. Webb  
 Students are assigned to copyreading on *The Athens Messenger*, handling local, correspondence, and wire copy, and working out make-up problems.
277. **NEWSPAPER ADVERTISING PRACTICE** (1 to 6) Arr. Nichols  
 Laboratory work in preparing copy for local display advertisers of *The Athens Messenger*. Other practice problems in the fields of classified, national, and promotion advertising.
307. **REPORTING OF PUBLIC AFFAIRS** (2) 8:10 MWF Baird  
 This advanced course includes a study of governmental, civic, and business organizations: courts, legal procedure, city and county government, state and national organizations, banks, political parties, and community activities.
323. **ADVANCED FEATURE AND MAGAZINE WRITING** (2) 10:30 MWF Baird  
 Students are permitted wide range in selecting feature subjects. High grade writing is stressed with definite idea of publication.
381. **RESEARCH IN JOURNALISM** (2 to 4) Arr. Staff

## LIBRARY SCIENCE

191. **HISTORY OF LIBRARIES AND THE USE OF LIBRARY RESOURCES** (3) 10:30 MTWThF Kunkel  
Survey of the development of book collections serves as an introduction to practical training in the effective use of modern library resources.
291. **THE SCHOOL LIBRARY** (3) 8:10 MTWThF Linnenbruegge  
Study of methods and materials used in organizing school library service. Course will run for six weeks with extra meetings.

## MANAGEMENT

312. **ADMINISTRATION OF PERSONNEL** (3) 10:30 MTWThF Davis  
A comprehensive survey in the principles of management of people in business organizations and institutions. Among the subjects treated are employce selection, training, and rating; labor turnover; job analysis; wage and salary administration.
332. **WAGE AND SALARY ADMINISTRATION** (2) 11:40 MWF Davis  
The factors determining industrial wage and salary policies, methods of employce payments, wage relationships, wage rate setting, incentive wage plans. The techniques and methods of implementing wage and salary policies.
381. **RESEARCH IN MANAGEMENT** (2 to 4) Arr. Staff

## MARKETING

155. **MARKETING PRINCIPLES** (3) 9:20 MTWThF Paynter  
The principles, methods, and policies of marketing consumers' goods and industrial goods.
381. **RESEARCH IN MARKETING** (2 to 4) Arr. Staff

## MATHEMATICS

5. **FRESHMAN MATHEMATICS** (5) 10:30 MTWThF; 11:40 MWF Denbow  
College algebra and plane trigonometry.
6. **FRESHMAN MATHEMATICS** (5) 8:10 MTWThF; 9:20 MWF Goedicke  
Progressions, straight line, circle, conic sections, polar coordinates, and a brief treatment of solid analytic geometry.
102. **INTEGRAL CALCULUS** (4) MTWThF Goedicke  
Differentiation and integration of transcendental functions, polar coordinates, parametric equations, curvature, indeterminate forms, integration, series, expansion of functions, and multiple integrals.
104. **COLLEGE GEOMETRY** (3) 8:10 MTWThF Denbow  
Problems of construction, loci, indirect methods, similar and homothetic figures, the triangle, medians, bisectors, altitudes, and transversals.

## MUSIC

72. **MUSIC FUNDAMENTALS** (2) 8:10 MWF Blayney  
An orientation course to meet the needs of the classroom teacher in music education.
201. **ANALYSIS AND FORM** (2) Arr. Arment  
Harmonic and structural analysis of music compositions.



- 266c. **TEACHING OF MUSIC IN ELEMENTARY GRADES** (2) 10:30 MWF Blayney  
 Music material and methods for elementary teachers.
- 266f. **SUPERVISION OF MUSIC FOR ELEMENTARY SCHOOL** (3) 10:30 MTWThF Blayney  
 For music majors. A study of modern trends and how they may be applied to the teaching of music in the elementary grades.
- 276a. **ELEMENTARY MUSIC WORKSHOP** (1) Arr. Glenn, Blayney, Morley  
 (July 27-31.) Fee, \$5.
308. **ARRANGING AND SCORING FOR BANDS** (2) Arr. Minelli  
 Scoring and arranging for the modern marching and symphonic band.
313. **ORCHESTRATION** (2) Arr. Ahrendt  
 Scoring for small, medium and full orchestra.
320. **COMPOSITION** (2) Arr. Ahrendt  
 Original writing in the smaller forms.
338. **THE LITERATURE OF ORCHESTRAL MUSIC** (2) Arr. Ingerham  
 The development of orchestral literature from the classic through the contemporary.
375. **ADVANCED CONDUCTING** (2) Arr. Ingerham, Minelli, Arment  
 An opportunity for study and practical experience in either choral or instrumental conducting.
- 376a. **MUSIC CLINIC WORKSHOP** (2) Arr. Glenn, Minelli  
 (July 21-August 3.) Fee, \$6.
- 376b. **OPERA WORKSHOP** (2) Arr. Arment  
 (July 15-28.) Fee, \$3.
377. **BACKGROUND OF MUSIC THERAPY** (3) Arr. Glenn, Hospital Staff  
 The history of the use of music in mental hospitals and clinics; present trends; state and private hospital programs.
379. **MUSIC THERAPY** (2 to 4) Arr. Glenn, Hospital Staff  
 Clinical practice in music therapy at Athens State Hospital. Fee, \$12.
384. **RESEARCH IN MUSIC** (2) Arr. Arment, Morley  
 A project course in which the student selects, under the guidance of the instructor, subjects for special investigation.
401. **MUSIC LITERATURE** (3) 9:20 MTWThF Arment  
 A survey of the literature of music with emphasis on style, form and content.
426. **COMPOSITION** (2) Arr. Ahrendt
471. **PROBLEMS IN SUPERVISION OF VOCAL MUSIC** (2) Arr. Morley  
 Investigation of problems connected with teaching and supervision of vocal music encountered during service.
472. **PROBLEMS IN SUPERVISION OF INSTRUMENTAL MUSIC** (3) Arr. Minelli  
 Investigation of problems connected with teaching and supervision of instrumental music encountered during service.
473. **EXPERIMENTAL STUDIES IN MUSIC** (3) Arr. Glenn  
 A survey of important psychological investigations bearing upon musical composition, performance and appreciation.
495. **RECITAL** (4) Arr. Staff

## APPLIED MUSIC

VOICE	( $\frac{1}{2}$ or 1)*	Arr.	Staff
PIANO	( $\frac{1}{2}$ or 1)*	Arr.	Staff
STRINGED INSTRUMENTS	( $\frac{1}{2}$ or 1)*	Arr.	Ingerham
WOODWIND INSTRUMENTS	( $\frac{1}{2}$ or 1)*	Arr.	Minelli
BRASS INSTRUMENTS	( $\frac{1}{2}$ or 1)*	Arr.	Minelli
PERCUSSION INSTRUMENTS	( $\frac{1}{2}$ or 1)*	Arr.	Minelli
UNIVERSITY BAND	(1)*	4:00 MTWTh	Minelli
UNIVERSITY CHORUS	(1)*	2:50 MTWTh	Arment
UNIVERSITY SYMPHONY ORCHESTRA	(1)*	2:50 MTWTh	Ingerham
431. VOICE	( $\frac{1}{2}$ to 2)*	Arr.	Staff
433. PIANO	( $\frac{1}{2}$ to 2)*	Arr.	Staff
437. STRINGED INSTRUMENTS	( $\frac{1}{2}$ to 2)*	Arr.	Staff
439. WOODWIND INSTRUMENTS	( $\frac{1}{2}$ to 2)*	Arr.	Staff
441. BRASS INSTRUMENTS	( $\frac{1}{2}$ to 2)*	Arr.	Staff

\*Fees for applied music are \$20 per semester hour. Practice room fees are extra.

## PHILOSOPHY

1.	PRINCIPLES IN REASONING	(3)	8:10 MTWThF	Murphree
	Considers the methods by which dependable knowledge is achieved in the natural sciences and social studies, with attention to common errors.			
2.	LIFE'S MEANING	(3)	9:20 MTWThF	Murphree
	Ethical problems and moral philosophies are studied against the present scientific and social background to illuminate life's meaning.			
103.	INTRODUCTION TO PHILOSOPHY	(2)	11:40 MWF	Murphree
	A study of principles and meanings as found in the sciences, morals, religion, and art, basal to a satisfactory philosophy.			
310.	MINOR STUDIES IN PHILOSOPHY	(1 to 3)	Arr.	Murphree
	Individual or group study of selected important problems, movements, or areas in philosophy.			

## PHYSICAL EDUCATION AND ATHLETICS

### (MEN, WOMEN)

#### SERVICE COURSES

3.	BEGINNING SWIMMING	(1)	9:20 MTWThF	Staff
	Fee, \$2.50.			
4.	INTERMEDIATE SWIMMING	(1)	1:40 MTWThF	Staff
	Fee, \$2.50.			
5.	ADVANCED SWIMMING	(1)	1:40 MTWThF	Staff
	Fee, \$2.50.			
10.	ADAPTED ACTIVITIES	(1)	11:40 MTWThF	Trepp and Staff
	Physical activity adapted to restricted or special needs of students. (Medical permission.) Fee, \$2.50.			

17. **BEGINNING TENNIS** (1) 9:20 MTWThF Staff  
For those who wish to learn skills, fundamentals of play, court strategy and rules. Fee, \$2.50.
18. **INTERMEDIATE TENNIS** (1) 10:30 MTWThF Staff  
A continuation of 17 with emphasis on fundamentals of play and court strategy. Fee, \$2.50.
41. **BEGINNING GOLF** (1) 1:40 MTWThF Staff  
Equipment, grips, strokes, stance and other techniques necessary to start playing golf. Fee, \$2.50.
42. **INTERMEDIATE GOLF** (1) 2:50 MTWThF Staff  
Instruction and practice in playing golf. Fee, \$2.50.
15. **BEGINNING BOWLING** (1) 8:10 and 9:20 MTWThF Staff  
Instruction and practice in skills, etiquette, rules and scoring. Fee, \$2.50, plus a \$10 pin fee.
- RECREATIONAL DIP HOUR** (0) 2:50 MTWThF Staff  
A swimming period reserved for mixed groups of summer session students. Instruction if desired. No fees and no credit.

(MEN, WOMEN)

MAJOR-MINOR)

102. **PERSONAL AND COMMUNITY HEALTH** (3) 9:20 MTWThF Trepp  
Provides a knowledge of the hygienic practices and an appreciation of the means whereby the health of the individual may be maintained.
153. **NATURE AND FUNCTION OF PLAY** (2) 8:10 MWF Rhoads  
Historical background, theories, need and administration of play, emphasizing play programs for schools, recreation centers, campus and clubs.
- 267p. **TEACHING OF PHYSICAL EDUCATION** (1) 8:10 TTh Rhoads  
Objectives, organization and program suggestions for Physical Education in the elementary school.
- 267e. **ATHLETIC COACHING** (1 to 3) 10:30 MTWThF Snyder, Wren  
Basketball and baseball.
- 267f. **ATHLETIC COACHING** (1 to 3) 11:40 MTWThF Widdoes, Johnson  
Football and Track.  
267e and 267f will be offered if there are eight or more students in each class; otherwise the course with the largest enrollment will be given.
309. **TESTS AND MEASUREMENTS** (3) 8:10 MTWThF Nessley  
A study of available tests and measurements for health education and physical education; practice in handling testing data by elementary statistical methods.
319. **COMMUNITY RECREATION** (3) 9:20 MTWThF Nessley  
For those interested in guiding leisure time programs. Administration of playgrounds, community centers and recreational activities, finance, community organizations, etc.
353. **CLINICAL OBSERVATION AND PRACTICE IN PHYSICAL MEDICINE AND REHABILITATION** (3) Staff  
(June 7-26.) Given at the V.A. Hospital at Chillicothe, Ohio; taught by the staff of the Corrective Therapy section of that hospital. A concentrated course running daily 8:30 a.m. to 4:00 p.m. for three weeks. May be taken alone, or in conjunction with one or two concentrated courses on the campus at Athens. (Example: P.E. 495 Thesis, or 491 Seminar.)  
The offering of this course is contingent upon interest and demand. If interested, contact Division of Physical Education and Athletics before Summer Session opens.



395. **SCHOOL HEALTH PROBLEMS** (3) 10:30 MTWThF Trepp  
Problems related to the principles, organization and administration of school health programs, including school and community relationships.
491. **SEMINAR IN PHYSICAL EDUCATION AND ATHLETICS**  
(3) 11:40 MTWThF Nessley, Staff  
Trends in health education, physical education, recreation, athletics; topics and problems suitable for thesis writing, methods of research, writing practice and critical analysis of outlines for research study.

## PHYSICS

5. **INTRODUCTION TO PHYSICS** (4) 11:40 MTWThF; 1:40, 2:50 MW Pierce  
Basic principles of mechanics, heat, sound, electricity, magnetism, structure of atoms, light. Designed for nontechnical and premedic students. Fee, \$5.
114. **GENERAL PHYSICS** (4) 9:20 MTWThF; 1:40, 2:50 MW Edwards  
Lectures, demonstrations, recitations and laboratory. Fundamental principles and basic laws of mechanics, heat, sound, electricity, magnetism, light, atomic structure. For engineering, mathematics, physics, and chemistry students. Fee, \$5.
- 268s. **TEACHING OF PHYSICAL SCIENCES** (2) 9:20 MWF Pierce  
Objectives, materials, methods, evaluation.
330. **X-RAY AND RADIOACTIVITY LABORATORY** (1 or 2) 1:40, 2:50, 4:00 ThF or Arr. Edwards  
Crystal analysis, X-ray spectral distribution curves with ionization spectrometer, absorption coefficients and limits, Moseley's law, scattering and polarization. Geiger counter and curved crystal spectograph. Radioactive decay and radiation analysis. Fee, \$5.
349. **ATOMIC PHYSICS** (3) 8:10 MTWThF Edwards  
An introduction to atomic physics designed for students in physics, chemistry, mathematics, or engineering. Topics include elementary particles, mass spectographs, high energy electromagnetic spectrum, nuclear energy and reactions.
481. **RESEARCH IN PHYSICS** (1 or 2) Arr. Staff  
Fee, \$5.

## PSYCHOLOGY

1. **GENERAL PSYCHOLOGY** (3) 8:10 MTWThF Blackwood  
An elementary study of the most significant facts and principles of mental life. Lectures, class demonstrations, discussions. Fee, \$1.
2. **PSYCHOLOGICAL APPROACH TO EVERYDAY PROBLEMS**  
(3) 10:30 MTWThF Scott  
An attempt is made to use the principles of psychology in the solution of the problems and adjustments of everyday life.
5. **EDUCATIONAL PSYCHOLOGY** (3) 8:10 MTWThF Gentry  
The nature of the learning process. Transfer of training. The influence of such factors as emotion, maturation, motivation, and the like, upon learning. Fee, \$1.
9. **IMPROVEMENT OF READING AND STUDY METHODS** (1) Arr. Blackwood  
Improvement of study and reading habits. Credit not counted toward a degree.
303. **MENTAL MEASUREMENTS** (3) 9:20 MWF Scott  
The administration, methods, and results of individual and group intelligence tests. Fee, \$1.

309. **MOTIVATION AND EMOTIONS** (3) 11:40 MTWThF Blackwood  
The dynamics of animal and human behavior: a study of drives, desires, incentives; a study of emotion in relation to frustration of motives.
310. **MENTAL HYGIENE** (3) 8:10 MTWThF Scott  
The course aims to evaluate and synthesize information bearing upon mental health from the following fields: psychology, psychiatry, physiology, medicine, and sociology.
315. **SOCIAL PSYCHOLOGY** (3) 9:20 MTWThF Paulsen  
A study of the behavior of man as influenced by group membership, with emphasis on the individuals' interaction as a basis of change of motives, attitudes and personality.
317. **PSYCHOLOGY OF PERSONALITY** (3) 10:30 MTWThF Gentry  
The nature of personality as revealed in interrelations of biological, psychological, and cultural concepts. Fee, \$1.
320. **PERSONNEL AND VOCATIONAL COUNSELING** (3) 8:10 MTWThF Paulsen  
Topics dealt with will bear upon personnel and vocational problems to be met in industrial, commercial, and school work.
325. **MINOR PROBLEMS IN PSYCHOLOGY** (1 to 3) Arr. Staff  
Training in the scientific study of some problem of special interest to the student. Relatively independent work emphasized. Maximum credit in course, 6 hrs.

## RADIO

347. **RADIO WORKSHOP** (1 or 2) Arr. Jukes  
Practical experience in the operation of the University Radio Station, WOUI.

## ROMANCE LANGUAGES

### FRENCH

100. **INTERMEDIATE FRENCH** (3) 7:00 MTWThF Staff  
The course fits the needs of those desiring either semester of second year French, and may be taken either before or after French 101 without duplication.
303. **READINGS FROM FRENCH LITERATURE** (1 or 2) Arr. Staff  
Selections vary with the needs of the class or the student.

### SPANISH

18. **BEGINNING SPANISH** (3) 8:10 MTWThF Staff  
Pronunciation, oral practice, essentials of grammar, and reading.
100. **INTERMEDIATE SPANISH** (3) 9:20 MTWThF Staff  
The course fits the needs of those desiring either semester of second-year Spanish, and it may be taken before or after Spanish 101 without duplication.
303. **READINGS FROM SPANISH LITERATURE** (1 or 2) Arr. Staff  
Selections vary with the needs of the class and the student.

## SECRETARIAL STUDIES

15. **BEGINNING TYPEWRITING** (2) 9:20 MTWThF Arr. Sponseller  
Development of basic skill on the typewriter and application of this skill to the more common typing practices. Achievement standard—30 words per minute. Fee, \$2.

180. **OFFICE MACHINES** (2) 11:40 MTWThF Arr. Sponseller  
Training in the solution of the more common mathematical business office problems on key-driven and crank-driven calculators. Instruction on accounting, dictating, and duplicating machines. Fee, \$3.
220. **BUSINESS COMMUNICATIONS** (3) 10:30 MTWThF Sponseller  
Application of English in the writing of effective business letters and reports for typical business situations.
337. **RESEARCH IN BUSINESS TEACHING PROBLEMS** (2 to 4) Arr. Staff

## SOCIOLOGY

1. **GENERAL SOCIOLOGY I: PRINCIPLES** (3) 9:20 MTWThF Gullhorn  
Introduction to the study of cultural and social relations; social interaction, social process, social status, and social institutions; community structure; the relation of personality to culture and society.
2. **GENERAL SOCIOLOGY II: MODERN AMERICAN COMMUNITIES** (3) 11:40 MTWThF Gullhorn  
Comparative analysis of social relations in contemporary communities in the U. S., utilizing recent field research reports as sources; a continuation of Soc. 1.
103. **RURAL SOCIOLOGY** (2) 8:10 MTWTh Harlan  
Population, community, and institutions in American rural society; historical development and current trends. Rural life organizations and movements.
210. **SOCIAL BEHAVIOR** (3) 9:20 MTWThF Harlan  
Social-psychological development of the individual; the emergence of role-taking abilities and self-concepts in social interaction; the function of language in conduct.
320. **INDUSTRIAL SOCIOLOGY** (3) 8:10 MTWThF Gullhorn  
Work groups and large business firms as social systems; worker-union-management relations; leadership; decision-making. Review of research in human relations in industry.
336. **COMMUNICATIONS AND PUBLIC OPINION** (3) 10:30 MTWThF Harlan  
The process of opinion-formation; relation to public policy; public opinion polls; organization and control of mass media; nature and effects of propaganda.
370. **IN-SERVICE TRAINING** (1 to 3) Arr. Staff  
Individually-arranged work experience under responsible supervision; advance planning and departmental approval; periodic reports.
381. **RESEARCH PROBLEMS IN SOCIOLOGY** (1 to 3) Arr. Staff  
Individual research projects in co-ordination with departmental research.

## SPEECH AND SPEECH CORRECTION

1. **FUNDAMENTALS OF SPEECH** (1) 1:40 TTh LaFollette  
Study and practice of basic techniques for effective participation in everyday speaking situations. Fee, \$1.
194. **SPEECH CORRECTION FOR THE CLASSROOM TEACHER** (3) 10:30 MTWThF LaFollette  
Nature, causes and correction of defective speech in the public schools with special reference to the role of the classroom teacher.



319. **AUDIOMETRY AND SPEECH AND HEARING PROBLEMS**

(3) 11:40 MTWThF LaFollette  
Techniques of audiometric testing and evaluation, with clinical practice. Criteria for referral, educational placement and hearing aid selection. Public school hearing conservation programs. Fee, \$3.

401. **INTRODUCTION TO GRADUATE WORK**

(3) 9:20. MTWThF Kantner  
Men, movements and professional literature in the field of speech. Conduct of research and selection of a thesis problem.

**STATISTICS**

255. **BUSINESS STATISTICS**

(3) 7:00, 8:10 MTWThF Soltow  
(First four weeks.) Elementary statistical methods used in business. Fee, \$2.

256. **BUSINESS STATISTICS**

(3) 7:00, 8:10 MTWThF Soltow  
(Second four weeks.) A continuation of Statistics 255. Fee, \$2.

381. **RESEARCH IN BUSINESS STATISTICS**

(2 to 4) Arr. Staff

**ZOOLOGY**

3. **PRINCIPLES OF ZOOLOGY**

(3) 10:30, 11:40 MTThF Seibert  
Elementary physiology and anatomy of a living organism to illustrate principles of life. Fee, \$5.

103. **READINGS IN BIOLOGY**

(1) Arr. Stehr  
A course for students interested in advances in biological fact and thought. Fee, \$2.

118. **ORNITHOLOGY**

(3) 7:00, 8:10 MTThF Seibert  
A study of birds and bird biology. Emphasis on field identification. Fee, \$4.

343. **BIOLOGICAL STUDIES**

(1 to 4) Arr. Seibert, Stehr  
Semi-independent studies in any of the following areas: (a) Ecology; (b) Entomology; (c) Invertebrate Zoology; (d) Vertebrate Zoology. Fee, \$3.



## GENERAL ADMINISTRATIVE OFFICERS

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ROBERT ERNST MAHN, A.M.	<i>Registrar</i>
Ewing Hall	
FREDERICK H. MCKELVEY, Ed.M.	<i>Director of the Summer Session</i>
	<i>and Assistant Professor of Education</i>
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