



1959 *summer session*

Athens, Ohio
TWO FIVE-WEEK TERMS
June 15 - July 17
July 20 - August 22

OHIO UNIVERSITY BULLETIN

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- THE BRANCHES-----Albert Carl Gubitz, A.M., *Dean, Cutler Hall*

PICTURES IN THE BULLETIN

(In order of appearance)

Cover—Helen Mauck Galbreath Memorial Chapel

Alumni Gateway

High School Science Workshop Participants

Work in the Speech Clinic

The Ohio University Center

OHIO UNIVERSITY BULLETIN

The 1959 Summer Session



FIRST TERM: JUNE 15-JULY 17

SECOND TERM: JULY 20-AUGUST 22


OHIO UNIVERSITY
ATHENS, OHIO

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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.

OHIO UNIVERSITY

THE 1959 SUMMER SESSION

JOHN CALHOUN BAKER, M.B.A., D.C.S., LL.D.-----*President of the University*
Cutler Hall

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Wilson Hall

CLARK EMERSON WILLIAMS, A.B.-----*Director of Admissions
and University Examiner*
Cutler Hall

ROBERT ERNST MAHN, A.M.-----*Registrar*
Ewing Hall

ADVANTAGES OF SUMMER STUDY

YEAR-ROUND STUDY OPPORTUNITIES

The 1959 Summer Session, representing for Ohio University the sixty-ninth consecutive year of summer time study, will consist of two five-week terms. In conjunction with the two regular semesters, this provides the opportunity for year-round study and research. The graduate assistant has the added opportunity of study with waiver of the general registration fee during the summer sessions immediately preceding and following the period of his appointment.

Formal graduation exercises on Saturday, August 22 for all summer graduates will mark the close of the summer session. Special arrangements

are being planned to accommodate those who completed requirements at the close of the first term who return for the exercises and other special events.

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.

2. High school graduates who desire to begin their college careers at once. By entering in the summer and attending each summer, a student may be able to complete the usual four-year college program in three years.

Some will find attendance valuable for removing deficiencies in high school mathematics and completing work in English. Attendance at the pre-college counseling session for students planning to enter in the fall of 1959 may develop reasons why summer session work is advisable for certain students. The two-day pre-college counseling sessions are scheduled for the period July 13 to July 31. See the section "University College" for further information.

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 third of the degree requirements in the ten-week session. Of particular interest to masters' candidates is the fact that all requirements for the degree may be fulfilled 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.

THE 1959 SUMMER SESSION CALENDAR

ACADEMIC

- June 15—Mon. First five-week terms opens; advising, counseling, and registration for both terms. (Previously enrolled student should request permit to register by May 15.)
- June 16—Tues. Classes begin.
- June 17—Wed. Last day for registering for the term.
- June 20—Sat. Last day for adding five-week course by change order.
Last day to withdraw from a course.
- June 22—Mon. Last day for partial refund of fees to students who withdraw.
Last day for graduate student to be admitted to candidacy for a degree in the summer session.
Last day for undergraduate students in first term and graduate students registered in either term to file application for a degree to be awarded on August 22.
- July 17—Fri. Last day of classes for first five-week term.
Final examinations during the last scheduled class meeting.
Final draft of August theses due in the Graduate College Office.
- July 18—Sat. Advising, counseling, and registration of students not enrolled first term, 10:00 to 11:00 a.m. (Previously enrolled student should request permit to register by July 1.)
- July 20—Mon. Second five-week term opens with classes.
- July 21—Tues. Last day for registering for the term.
- July 24—Fri. Final date for graduate comprehensive examinations.
- July 25—Sat. Last day for adding five-week course by change order.
Last day to withdraw from a course.
- July 27—Mon. Last day for partial refund of fees to students who withdraw.
Last day for undergraduates to file application for graduation on August 22. Graduate students shall file application by June 22.
- Aug. 12—Wed. Last day for graduate thesis oral examinations.
- Aug. 14—Fri. Master's theses due in Library and abstracts due in Graduate College Office.
- Aug. 19—Wed. Candidates' grades due in Registrar's office, 4:00 p.m.
- Aug. 21—Fri. Last day of classes. Final examinations during the last scheduled class meeting.
- Aug. 22—Sat. Summer term closes; commencement.

JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6				1	2	3	4							1
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
28	29	30					26	27	28	29	30	31	23	24	25	26	27	28	29	
													30	31						

WORKSHOPS AND CONFERENCES

FOR COLLEGE STUDENTS AND FOR ADULTS

Ohio County Superintendents Association Workshop	June 10-June 12
Summer Speech and Hearing Clinic for Children	June 15-Aug. 21
Ohio Conservation Laboratory (Leesville Lake)	June 15-July 17
Ohio Valley Summer Theatre	June 15-July 31
Conference on School Administration	June 18-June 19
Housemothers Workshop	June 14-June 20
Ohio School of Banking	June 21-June 26
Special Painting Class	June 22-July 17
Ohio Workshop on Economic Education	June 22-July 10
Ohio Bookmen's Club Exhibit	To be announced
Institute for High School Science Teachers	July 6-Aug. 15
Conference of Mayors	July 8-July 9
Executive Development Program	July 12-Aug. 8
Institute for College Chemistry Teachers	July 13-Aug. 22
Pre-College Counseling	July 13-July 31
Workshop in Special Education	July 20-Aug. 7
Conference on World Affairs	July 27-July 28
Elementary Teachers Music Workshop	Aug. 4-Aug. 8
Institute for Credit Union Personnel	Aug. 9-Aug. 15
Conference on School Plant Planning and Operation	Aug. 13-Aug. 14

FOR HIGH SCHOOL STUDENTS

Music Clinic-Workshop	June 14-June 27
Science Workshop	June 14-June 27
Workshop in Debate	June 15-June 27
Ohio Student Council Workshop	Aug. 9-Aug. 14
Workshop on High School Publications	June 21-June 27

WORKSHOPS, CONFERENCES, AND SPECIAL EVENTS

During the summer of 1959, Ohio University will offer a number of workshops, conferences and other special events. Some will be for high school pupils. These special events will range from one day to six 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. A graduate student needs to be sure that the credit will be approved by his adviser and the dean of the Graduate College.

Most workshops, whether or not they offer the possibility of credit, will have a *basic inclusive fee* that will be assessed each participant. The *registration for credit fee* will be the regular summer term fee and be in addition to the *basic inclusive fee*. See FEES.

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 to a workshop by the Registrar as "Special Student, No Credits on File."

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

OHIO COUNTY SUPERINTENDENTS WORKSHOP

June 10-12

The Ohio County Superintendents Association will hold its annual workshop devoted to leadership in county and local school district administration, supervision and curriculum activities.

Participation in this workshop is limited to county superintendents and their guests.

SUMMER SPEECH AND HEARING CLINIC FOR CHILDREN

June 15-August 21

This special clinic for children with speech and hearing problems is under the joint sponsorship of the School of Dramatic Art and Speech and the Athens County Chapter of the Society for Crippled Children and Adults. The clinic will provide opportunities for observation and clinical practice for students enrolled in courses in speech and hearing therapy.

OHIO CONSERVATION LABORATORY

June 15-July 17

Ohio University cooperates with the other four state universities in conducting the Ohio Conservation Laboratory at Camp Muskingum in Car-

roll County on Leesville Lake. This is of interest to all persons is education for the wiser use of natural resources. Students attend for five weeks, and receive six hours credit. Those who intend to enroll for the program should register for Ed. 388—Conservation Education Workshop, for six semester hours. The registration fee of \$35 is payable to Ohio University at the time of registration. The five-week charge and \$110 for room and board and a laboratory fee of \$10 are payable at the camp on the first day.

The course may be taken for undergraduate credit; or for graduate credit by students who have been admitted to the Graduate College. The student should ascertain applicability of the credit to his particular program by consulting his adviser or dean. A number of scholarships are usually available from outside sources.

Additional information may be obtained by writing to Dr. Myron T. Sturgeon, Department of Geography and Geology, Ohio University, Athens, Ohio.

THE OHIO VALLEY SUMMER THEATRE

June 15-July 31

The ninth 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 Speech and Theatre Arts Building, which provides the most modern facilities for theatrical productions.

A maximum of twenty students will be accepted for enrollment in Dramatic Art 347 or 447 for from three to eight hours of credit. Students earning six or more hours of credit will be expected to work full time in the theatre. Graduate credit may be earned by students who qualify for admission to the Graduate College prior to registration.

The summer theatre program 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, and publicity 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.

Regular summer session fees apply—except for those who participate as members of the theatre company for less than a five week session and without credit or for less than four hours of credit. This latter group will pay a workshop fee of \$15 plus \$12 per credit hour. Assistantships covering either or both room and board are available for a limited number of students with considerable experience in theatre.

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

CONFERENCE ON SCHOOL ADMINISTRATION

June 18-19

The Conference for School Administrators will be held on Thursday and Friday, June 18 and 19. The Conference will be concerned with various phases of school administration. There will be general meetings, group and panel discussion, and sessions relating to these administration problems.

Lunch, dinner, and housing on June 18, and breakfast and lunch on June 19, will be available. The total cost for the Conference will be \$13.50, which will include meals, housing, and Conference fee.

Directing the Conference will be Mr. Frank Bean and Dr. Samuel Hicks. Requests for additional information should be addressed to Mr. Bean, Center for Educational Services, Ohio University, Athens, Ohio.

HOUSEMOTHERS WORKSHOP

June 14-20 . .

For information concerning the Housemothers Workshop, write to Miss Margaret Deppen, Dean of Women, Ohio University, Athens, Ohio.

OHIO SCHOOL OF BANKING

June 21-26

The Ohio School of Banking is sponsored by the Ohio Bankers Association. Attendance is limited to the officers and employees of member banks of the Association. The subjects to be covered by first-year students include Bank Operations, Investments, Bank Loans, Money and Banking, and Bank Law. The subjects to be covered by second-year students include Bank Operations, Commercial and Consumer Loans, and Public Relations. The fee includes board, room and study materials.

For further information write to College of Commerce, Ohio University, Athens, Ohio.

SPECIAL PAINTING CLASS

June 22-July 17

Special painting classes will be held during this period under the direction of Mr. Rudy Pozzatti. Mr. Pozzatti, a Fulbright scholar and Fellow of the Yale-Norfolk Summer School, is a young painter and printmaker of established reputation. Some of his works are to be seen in the following permanent collections: Butler Art Institute, Youngstown, Ohio; Cleveland Museum of Art; Fogg Art Museum; The Library of Congress; The Museum of Modern Art; United States Embassies Overseas Collection; The Metropolitan Museum of Art; and the Brooklyn Museum, Brooklyn, New York. Mr. Pozzatti is now teaching at Indiana University, Bloomington, Indiana.

Enrollment may be for any two or three week period between the above dates, or for the entire four week session. Academic credit is granted only upon completion of the full four week session.

Those enrolled only for the special painting class pay the basic class fee of \$20.00 for the first two weeks and \$10.00 for each additional week. Room and board may be obtained in University housing at a cost of \$35.00 a week. Those who desire credit will pay the registration for credit fee of \$12.00 a semester hour, in addition to the basic class fee.

Students who are enrolled in regular summer session classes who register for the Special Painting Class as a part of their program, pay the regular summer registration fee.

For application blanks and additional information, write to Dr. Frederick D. Leach, Director, School of Painting and Allied Arts, Ohio University, Athens, Ohio.

OHIO WORKSHOP ON ECONOMIC EDUCATION

June 22-July 10

The Workshop on Economic Education is 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. 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 attend the lectures, panel discussions, and exhibits of materials which will be held during the workshop.

Students desiring academic credit will register for Ed. 358, and pay the registration fee of \$36.

Requests for additional information should be addressed to Mr. Robert Forbes, Center for Educational Services, College of Education, Ohio University, Athens, Ohio.

OHIO BOOKMEN'S CLUB EXHIBIT

Dates 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 the University Center.

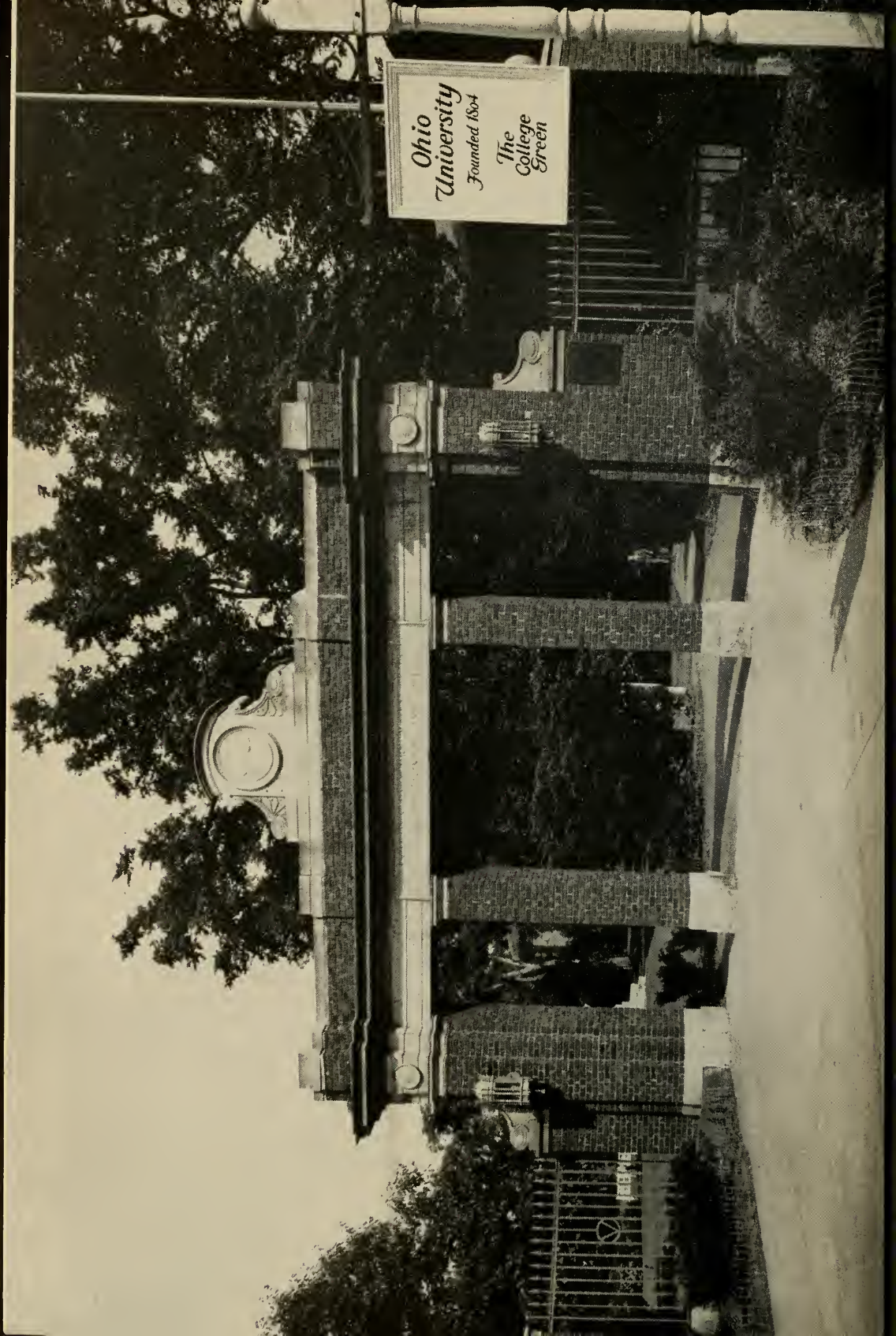
INSTITUTE FOR HIGH SCHOOL SCIENCE TEACHERS

July 6-August 15

National Science Foundation has awarded a grant to Ohio University for an Institute for High School Science Teachers to be held July 6 to August 15. Fifty-four teachers of biology, chemistry and physics in junior and senior high schools will be awarded stipends up to \$75 per week, plus \$15 per week for each dependent, and will be exempt from registration fees. The major objective of the Institute is to bring to science teachers a better understanding of old and new concepts in the subjects which they teach.

Participants may enroll for credit. Graduate credit will be given to those who can qualify. Necessary application forms and complete information may be obtained upon request from L. P. Eblin, Director, Science Teachers Institute, Ohio University, Athens, Ohio. Completed applications must be returned to the director by February 16.

*Ohio
University*
Founded 1804
*The
College
Green*



CONFERENCE OF MAYORS

July 8, 9

For information concerning the Conference of Mayors, write to Dr. Ernest Collins, Department of Government, Ohio University, Athens, Ohio.

EXECUTIVE DEVELOPMENT PROGRAM

July 12-August 8

The Program is designed for business executives between the ages of thirty-five and fifty who are nominated by their sponsoring companies.

The Program is conducted almost entirely by the case method with some outside speakers from business. Subjects include Human Relations, Distribution, Financial Control, Production, Business Policy, and Labor and Collective Bargaining. Elective work in Public Speaking and Rapid Reading is offered.

The group is limited to thirty men with not more than two from one company.

The fee of \$700 includes board, room, and study materials.

For further information write to College of Commerce, Ohio University, Athens, Ohio.

INSTITUTE FOR COLLEGE CHEMISTRY TEACHERS

July 13-August 22

National Science Foundation has awarded a grant to Ohio University for an Institute for College Teachers of Freshman Chemistry to be held July 13 to August 22. Forty-five teachers of the first-year college chemistry course will be awarded stipends up to \$75 per week, plus \$15 per week for each dependent, and will be exempt from registration fees. Preference will be given to applicants from small colleges in which all the chemistry courses are taught by one or two persons. The major objective of the Institute is to bring to such teachers a better understanding of old and new concepts in organic, inorganic, and physical chemistry.

Participants may enroll either for credit or as auditors. Graduate credit is available. Necessary application forms and complete information may be obtained upon request from Lawrence P. Eblin, Director, College Chemistry Institute, Ohio University, Athens, Ohio. Completed applications must be returned to the director by February 16.

SPECIAL EDUCATION WORKSHOP

July 20-August 7

For information concerning the Special Education Workshop, write to Prof. Clara DeLand, Ohio University, Athens, Ohio.

CONFERENCE ON WORLD AFFAIRS

July 27-28

The Conference will consider some pertinent aspect of the problem of American policy toward recent political developments in areas of North Africa, from Morocco to Egypt. The program will include a convocation address by a speaker of national reputation followed by informal conferences. Because of the uncertainty of forthcoming developments in the international field, the topic is subject to re-examination in the light of actual events. More precise information may be obtained prior to the opening of the Summer Session by writing to Dr. John F. Cady, Chairman, History Department, Ohio University, Athens, Ohio.

ELEMENTARY TEACHERS MUSIC WORKSHOP

August 4-8

The Workshop in Elementary School Music and Junior High School Music is for classroom teachers, music teachers, and supervisors of music. The staff, including nationally known specialists, is assisted by the Ohio University music education faculty.

One hour of credit may be secured by those who register for credit. If graduate credit is desired, the application should be made to the Graduate College, before registration day. The workshop fee of \$9.00, the credit fee of \$12.00, plus the board and room fee of \$27.00 brings the total to \$48. Room will be available beginning the first day of the workshop, and meals will be served beginning at noon of the first day. Room for any other time will be \$2.00 a night.

For further information, write Miss Mary D. Blayne, School of Music, Ohio University, Athens, Ohio.

INSTITUTE FOR CREDIT UNION PERSONNEL

August 9-15

For information concerning the Institute for Credit Union Personnel, Write to Dr. Harry Crewson, Ohio University, Athens, Ohio.

CONFERENCE ON SCHOOL PLANT PLANNING AND OPERATION

August 13-14

This Conference is especially directed to school administrators, members of boards of education, architects, and lay persons concerned with the various phases of school plant planning and operation. Practical problems pertaining to school building financing, layouts, new materials, construction practices, and the maintenance and operation of new and existing buildings will be discussed with educational consultants, architects, and building contractors.

Requests for additional information should be addressed to Dr. William W. Chase, Center for Educational Services, Ohio University, Athens, Ohio.

WORKSHOPS FOR HIGH SCHOOL STUDENTS

MUSIC CLINIC WORKSHOP

June 14-27

This Workshop in band, chorus and orchestra is for boys and girls between the ages of 14 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 three well-balanced bands, an 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 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 sightseeing tours in "Scenic Southeastern Ohio" will be conducted.

The all-inclusive fee for the two weeks is \$55. This amount includes a workshop fee of \$20 and a charge of \$35 for room and board in university residence halls. In-service music directors may apply for assistantships which will cover the all-inclusive fee of \$55.

Two hours of university credit may be secured by teachers who register for credit in either the band, orchestra or chorus clinic. The registration fee is \$24, unless the registration is part of a regular summer load for which the regular fee has been paid. 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 prior to the opening of the Clinic.

Students and directors are urged to make application early. Address inquiries to Dr. Gilbert A. Stephenson, School of Music, Ohio University, Athens, Ohio.

HIGH SCHOOL SCIENCE WORKSHOP

June 14-27

The Workshop will be open to approximately one hundred and twenty high school students who will be juniors or seniors in the fall of 1959. Ohio University professors will give lectures and demonstrations in the following fields: Astronomy, Botany, Chemistry, Engineering, Geology, Mathematics, Meteorology, Physics, Zoology, and Photography. Field trips and carefully planned laboratory periods will be an integral part of the program.

Designed to stimulate interest in the various branches of science, this program is planned to provide a richer understanding of the sciences and to present some of the methods, problems and resources of this area of human endeavor. The Science Workshop seeks to enroll students who have shown superior scholastic aptitude for science, in the belief that the program offered will help to develop the interests of future scientists.

If a grant is received for the operation of this workshop, the costs will be paid for participants who are awarded scholarships to attend. In addition, if the grant is secured, the workshop will operate for three weeks instead

of two weeks as stated above, adding a week at the end.

The workshop fee of \$65.00 provides for registration, room and board, health service, recreation, and field trip expenses.

For further information write to Dr. William G. Gambill, Botany Department, Ohio University, Athens, Ohio.

WORKSHOP IN DEBATE FOR HIGH SCHOOL STUDENTS

June 15-27

This Workshop is sponsored by the School of Dramatic Art and Speech for high school students of sophomore, junior or senior rank. The number of participants in each group will be limited to thirty. Preference will be given to students who 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 1959-60 season, preparation of a bibliography, study and 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.

The fee is \$18. Board and room will be available in University residence halls at \$35 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 ON HIGH SCHOOL PUBLICATIONS

June 21-27

The Ohio University School of Journalism will conduct its fourteenth Annual Workshop on High School Publications beginning Sunday afternoon, June 21, and continuing through Saturday noon, June 27.

This workshop is designed for high school students and advisers and it includes seven major areas: (1) editing and advising of regular letterpress newspapers, (2) editing and advising of yearbooks, (3) business phases of newspapers and yearbooks, (4) editing and advising of mimeographed newspapers, (5) editing and advising of offset newspapers, (6) photography, and (7) radio-TV journalism. The million-dollar, air-conditioned Copeland Hall, modern home of the School of Journalism, will be headquarters for the workshop.

Forty or more staff members, including nationally famous authorities in high school journalism, will conduct the workshop. Outstanding commercial firms will provide consultants and specialists in printing, engraving, art, cartooning, advertising, radio-TV, and typing.

The students, under the guidance of experts, will prepare and publish three "model" newspapers during the week: (1) "The Workshopper," a printed newspaper; (2) "The Streamliner," a mimeographed newspaper; (3) "The Offset Gazette," an offset paper.

Included in the daily sessions will be convocations, lectures, forums, field trips, round-tables, lectures, and demonstrations. The facilities of Ohio

University as well as those of independent organizations in Athens will be open to all Workshoppers—typography, engraving and photography laboratories, UP and AP wire services, visual aids, library, specialized classrooms, radio and television equipment.

Participating schools are urged to bring copies of their yearbooks and newspapers for analysis and help by the staff experts. Upon request, the staff of the School of Journalism will provide written analysis of publications issued during the following year.

There will be fun, sports, and recreation for all: picnics, parties, teas, dancing, games, picture shows, swimming parties, contests, and get-togethers. The men's and women's journalism fraternities, Sigma Delta Chi and Theta Sigma Phi, will serve as guides and social assistants for the Workshoppers while on the campus.

Official diplomas will be awarded on "Commencement" night, following a banquet and program, to all students and advisers for faithful participation and attendance during the week.

Each high school student attending the Workshop will be charged a laboratory fee of \$7.50. No lab fee will be charged for advisers.

Room and board will be available for students and advisers in university residence halls. Rooms will be available beginning Sunday afternoon, June 21. Meals will start Sunday evening, June 21 and continue through Saturday noon luncheon, June 27. The board and room charge for the entire six-day period for students and advisers will be \$17.50. Lab fees and board and room charges are payable in advance.

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 the laboratory fees and board and room are to be made payable to *Treasurer of Ohio University*.

OHIO STUDENT COUNCIL WORKSHOP

August 9-14

This third annual Workshop for members and sponsors will be conducted under the joint sponsorship of Ohio University and the Ohio Association of Student Councils.

The Workshop is being planned for 150 students and sponsors. A staff of more than 10 members will guide the week's activities. The staff will include a nationally known consultant, the executive secretary of the state association, selected council sponsors, and university personnel.

The program will be developed around problems and activities of regular councils. General sessions will emphasize the study and discussion of Council aims and objectives, organization, projects, group leadership, and evaluation techniques. Participants will organize council groups and function through the week as much like a real school as possible.

Each Workshop participant will be charged a nominal fee, payable in advance. This fee will include room and board in university residence halls, health service, recreation, workshop notebook, and general supplies.

With maximum attendance set at 150, students and sponsors are urged to make application by May 9, 1959. Checks for the fee should accompany the application and be made payable to the Treasurer, Ohio University.

Requests for reservation and information should be sent to Dr. E. P. Lynn, College of Education, Ohio University, Athens, Ohio.

THE UNIVERSITY

Ohio University is state-supported. Established by the Legislature on February 18, 1804, it became the first institution of higher learning in the Northwest Territory and beyond. Its more than 7300 men and women students have available to them in a compact campus setting the finest in instructional, residential, cultural, and recreational facilities.

Home of the University in scenic southeastern Ohio is Athens, a city of 10,000. Athens is conveniently accessible by automobile on U.S. Routes 33 and 50 and State Route 56. It is on the main Washington-St. Louis route of the Baltimore and Ohio Railroad. North and south bus service is provided by the Lake Shore System and Zane Transit Lines; east and west service, by the Capital Greyhound Lines.

ACCREDITATION

Ohio University is accredited by the North Central Association of Colleges and Secondary Schools, and by the recognized professional accrediting associations identified with its major academic divisions. It holds membership in the leading state and national educational and professional associations in its major areas of interest.

ORGANIZATION OF THE UNIVERSITY

CURRICULA AND DEGREES

THE UNIVERSITY COLLEGE

Basic preparation for admission to each of the degree-granting colleges
Two-year terminal programs leading to the Associate in Arts diploma

THE COLLEGE OF APPLIED SCIENCE

Engineering Curricula leading to the degrees Bachelor of Science in
Chemical Engineering, Bachelor of Science in Civil Engineering,
Bachelor of Science in Electrical Engineering, and Bachelor of
Science in Mechanical Engineering

Curriculum leading to the degree Bachelor of Science in Industrial
Technology

The School of Home Economics

Curricula leading to the degree Bachelor of Science in Home Eco-
nomics

The Department of Industrial Arts

THE COLLEGE OF ARTS AND SCIENCES

Curricula leading to the degrees Bachelor of Arts and Bachelor of
Science

Preprofessional curricula

THE COLLEGE OF COMMERCE

Curricula leading to the degrees Bachelor of Science (major in Agricul-
ture), Bachelor of Science in Commerce, and Bachelor of Science
in Secretarial Studies

The School of Journalism

Curricula leading to the degree Bachelor of Science in Journalism

THE COLLEGE OF EDUCATION

Teacher-training curricula leading to the degree Bachelor of Science in Education

THE COLLEGE OF FINE ARTS

Curricula in three schools leading to the degree Bachelor of Fine Arts
The School of Dramatic Art and Speech
The School of Music
The School of Painting and Allied Arts

THE GRADUATE COLLEGE

Programs leading to the degrees Master of Arts, Master of Business Administration, Master of Education, Master of Fine Arts, Master of Science, and Doctor of Philosophy

THE BRANCHES

Chillicothe
Ironton
Lancaster
Martins Ferry
Portsmouth
Zanesville

THE DIVISION OF PHYSICAL EDUCATION AND ATHLETICS

THE RESERVE OFFICERS' TRAINING CORPS

Air Science
Military Science and Tactics

THE UNIVERSITY EXTENSION DIVISION

Extension Classes
Correspondence Courses

Detailed information about the undergraduate colleges is available in the General Catalog. Information about graduate study is available in the Graduate College Bulletin. Brief descriptions of the University College and the Graduate College are included here.

THE UNIVERSITY COLLEGE

The University College is especially concerned with helping the freshman make the transition from high school to college, and with making his freshman year provide a good educational foundation for later college work. Since all freshmen enroll in the University College, it is concerned primarily with the problems of first year students. Help is provided for selecting a schedule of classes, developing efficient methods of study, planning an educational program, and choosing a field of specialization.

Each student meets with his assigned faculty counselor. This counselor will help in preparing a schedule of classes, and each student is expected to confer with him at various times during the summer session. These conferences are arranged by the student for helping with such problems as he may wish to discuss.

The educational program of the University College is organized to meet the needs of the individual students. Required courses are determined on the

basis of high school record and the educational objective of the student. The work of the freshman year is planned to provide a basic general education and a preparation for later specialization. Specific courses which are important for professional training are available.

The University College also offers a diploma for the completion of two years of college work. This program includes certain general education courses and a selection of career courses. This meets the needs of those students who may not wish to devote four years to their college work. Attending college during summer session will shorten the time for completing the requirements for a four-year degree or the two-year diploma.

Students who graduate in the lower half of their high school class will be expected to have their special warning status determined at pre-college counseling at some two-day period between July 13 and July 31. Some of these students may find it valuable to attend the second term of Summer School to prepare for their fall program. Other students who are deficient in English and mathematics may wish to complete this work during the second term of Summer School.

THE GRADUATE COLLEGE

The Graduate College confers the degrees of Master of Arts, Master of Education, Master of Science, Master of Fine Arts, and Master of Business Administration 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. The degree of Doctor of Philosophy is granted in certain selected areas of study in the University. At present the doctoral program is limited to Chemistry, Education, Speech, and Speech and Hearing Therapy. 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 requirement for a master's degree in three full summer sessions of ten weeks each. The graduate offerings of the summer session are enhanced by special programs of study, conferences, clinics, workshops, and visiting lecturers.

Scholarships are available to students of exceptionally strong scholastic qualifications. During the regular academic year assistantships with stipends of \$1600 to \$2000 and exemption from the general registration and laboratory fee portions of the comprehensive fee are granted to students in many areas of study. Research and teaching fellowships with stipends ranging from \$2000 to \$2800 are also granted in certain departments, the stipend being based upon responsibilities of the appointment and experience of the appointee.

Information concerning requirements for admission to the Graduate College, programs for degrees, course offerings, scholarships, and assistantships 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.

FACILITIES AND SERVICES

Summer students have full use of all university facilities and may avail themselves of all its services.

LABORATORY SCHOOLS

During the first five-week term of the Summer Session, the University will maintain school laboratory facilities at the University Elementary School. Ed. 274, Advanced Student Teaching Laboratory, will be offered for experienced teachers. Permission for admission must be secured from the Director of Student Teaching.

The summer program in the elementary school is a continuation of the year's work and is not a remedial session. A limited number of the children of students attending the University are welcome to attend the school during the summer term provided application is made in advance and there are available facilities. Children attend school in the morning only, and swimming and other activities are included in the summer curriculum. There is no tuition fee.

UNIVERSITY LIBRARY

The Edwin Watts Chubb Library houses the University's main collection of more than 285,000 volumes, including periodical sets, documents, and pamphlets. The collection 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 1,300 periodicals and newspapers are in an adjoining Periodical Room. The Library is equipped with both microfilm and microcard reading machines. Collections of specialized material are administered by the College of Commerce, College of Education, School of Music, Department of Chemistry, Department of Physics, and the University Health Center.

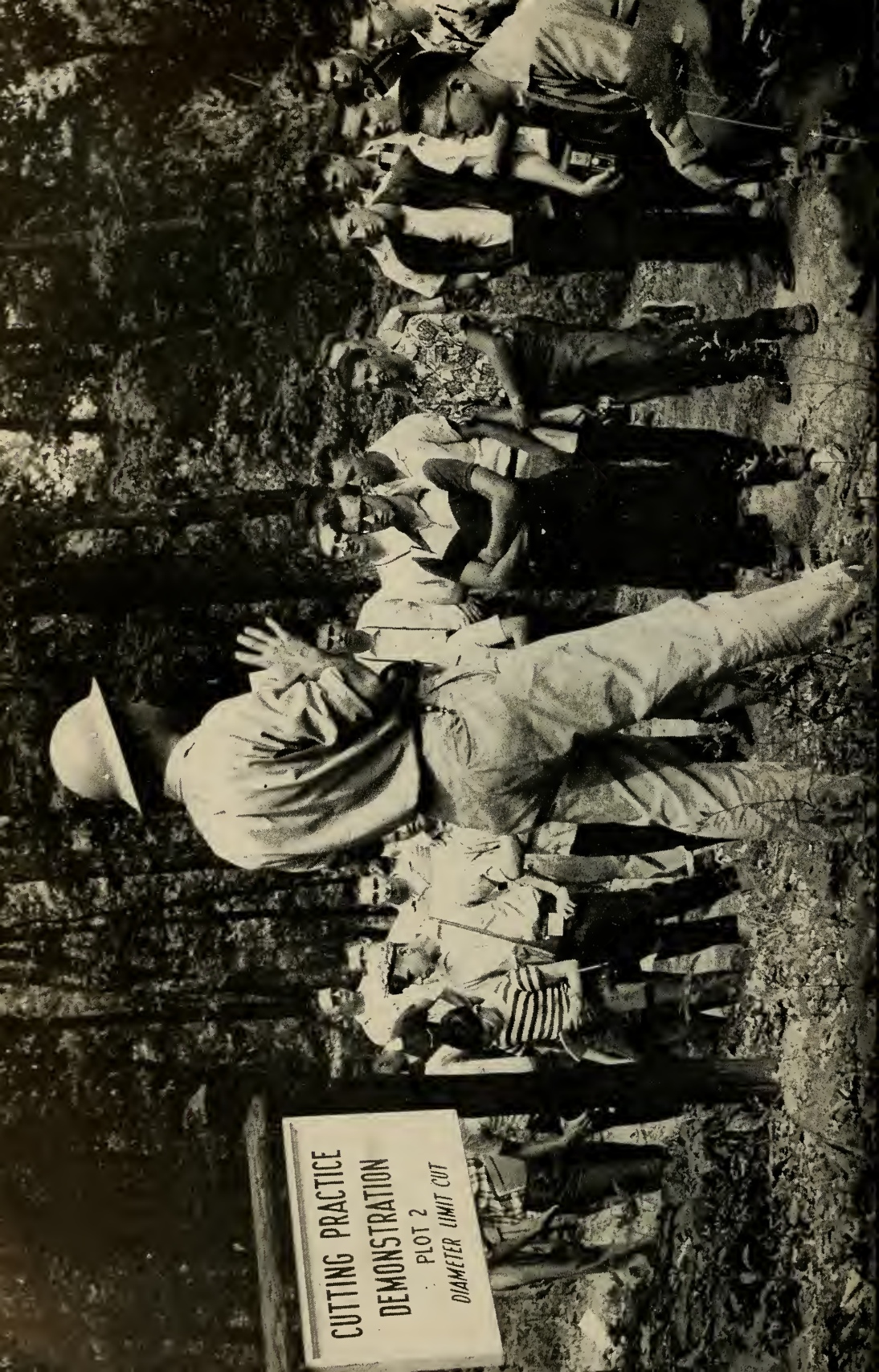
UNIVERSITY HEALTH CENTER

The Center includes a complete clinic with X-ray, clinical laboratory and minor surgery, a forty-bed infirmary with an isolation wing, and a physiotherapy department. The staff includes four full-time doctors and eleven registered nurses. The Summer Session fee entitles a student to (1) outpatient clinic service, which usually includes medications; (2) hospitalization in the infirmary without charge; (3) consultations with outside specialists at the discretion of the director; and (4) emergency service at all hours.

TESTING AND COUNSELING SERVICE

Complete vocational counseling is available to interested students. Educational and vocational plans are developed on the basis of a survey of the abilities, interests, aptitudes and achievements and also on the basis of the requirements for the occupations and their training programs. A fee of \$5 is charged to cover the costs of tests and scoring. Application for this service may be made by contacting the staff of the Testing and Counseling Service in the Life Science Building.

CUTTING PRACTICE
DEMONSTRATION
PLOT 2
DIAMETER LIMIT CUT



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 teaching, business, and industry. A registration charge of \$2.00 provides this service while an applicant is enrolled as a student in the University and 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 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.

LIVING ARRANGEMENTS

All undergraduate students (except those 25 years of age and over) carrying four hours or more must board and room in University housing during the summer terms. This rule also applies to married undergraduate students under 25 whose husbands or wives do not reside with them in Athens. Exceptions are made for commuters and legal residents of Athens. Any other exceptions must be directed to the Director of Housing for consideration by the Ways and Means Committee.

APPLICATIONS. Application for rooms in either Scott Quadrangle (women) or Tiffin Hall (men) should be made to the Director of Housing, Ohio University, Athens, Ohio. An application is considered only if accompanied by the retaining fee (\$2.00 for one five-week term or \$4.00 for both terms) payable to the Student General Fund. The retaining fee is not refundable.

BOARD. The cost of board in University halls for each five-week term is \$65.00 and includes 21 meals a week. Board rates are subject to revision, upward or downward, in accordance with prevailing economic conditions.

Residents in all University housing accommodations are required to eat in University dining halls.

Students living in private homes may arrange to eat in University dining halls, but must continue with such arrangements until the end of the five-week term.

ROOMS. Room rates, per student, for each five-week term are \$40.00 for a single room and \$30.00 for a double room. The number of single rooms available is limited. Assignments are made in order of date that applications are received.

Rooms in all residence halls are furnished with dressers, study tables, chairs, and bed linen. The University provides for the laundering of bed linen. Items such as blankets, bed spread, towels, toilet articles, and such accessories as draperies and desk lamp, must be provided by the student.

PAYMENTS. The amount of the advance deposit, together with a deadline for its receipt, will be indicated in the assignment letter. The required advance payment will include the full room rent and the full board charge for the five-week term for which application is made.

CANCELLATIONS AND REFUNDS. Full refund of the advance room and board payment will be made to a student requesting cancellation by the Saturday preceding the opening of the term for which application is made. After that, refunds will be on the basis of 75% of the advance room payment if application is made before the end of the first week. A week is interpreted to mean a calendar week ending on Saturday.

A student cancelling before, or withdrawing during, the term will be refunded the unused portion of the board payment.

PRIVATE HOMES. Rooms in private homes are listed in the Office of the Director of Housing and are available upon request.

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, and an abundance of closet space. Each apartment is provided with a gas cooking range and a gas heating unit. Tenants must arrange to supply the additional needed articles. The rent for each apartment is \$42.00 a month, payable in advance. The rental charge includes all utilities and garbage disposal.

In addition, there are seventeen two-room prefabricated units which accommodate a like number of families. The facilities are equipped with gas cooking range, oil heating unit, kitchen table and chairs, and dresser. The tenant must provide his own studio couch or bed and refrigerator. The rent for each unit is \$30.00 a month, payable in advance. The rental charge includes gas and water. Each family unit is efficient, and quite livable.

Veterans are given preference in the assignment of these facilities.

TRAILER PARK: Space is available for privately-owned house trailers at \$14.00 a month. The charge covers water, sewerage, bath and laundry facilities, as well as ground rental. The charge does not cover electricity.

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 Housing, Ohio University, Athens, Ohio. A request form is provided on the last page of this bulletin.

CULTURAL-RECREATIONAL ACTIVITIES AND FACILITIES SOCIAL POLICY

The students, faculty, and administrative officers of the Ohio University and the community of Athens are united in their interest in maintaining a moral tone and a social pattern that is in keeping with good taste and acceptable social practice anywhere among educated people.

THE UNIVERSITY CENTER

The University Center provides facilities for the cultural, social, and recreational needs of students. The building contains three beautiful lounges, a large ballroom, dining rooms, cafeteria, snack bar, library and record listening room, television, conference rooms, and recreational areas for bowling, billiards, table tennis, and cards.

UNIVERSITY CONVOCATIONS

Four or five general university convocations are held during the regular summer session. Speakers on current topics, concert artists, and other attractions are scheduled.

SUMMER THEATRE PRODUCTIONS

The Ohio Valley Summer Theatre, a joint project of Ohio University and the community of Athens, will present its ninth season of plays. Students enrolled in the Summer Theatre Workshop form the nucleus of the acting company and the plays are produced and directed by members of the staff of the School of Dramatic Art and Speech. Summer Session students are welcome to attend the series of plays.

GENERAL RECREATION AND ENTERTAINMENT

Among other recreational facilities is the University's Natatorium, its nine-hole golf course which is adjacent to the campus, and its tennis and handball courts.

Students enrolled in the Summer Music Clinic-Workshop will present a series of three concerts. The dates are June 20, 21, and 27.

Another series of concerts will be presented by the Ohio University Summer Concert Band.

Concerts in the latter series will be presented on Thursdays, July 9, 16, 23, and 30, and on August 6 and 13. Popular concert favorites will be programmed. Guest conductors and soloists attending the 1959 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.

Under the sponsorship of the Men's Independent Association, feature motion picture productions are shown in Alumni Memorial Auditorium.

Not many miles distant from Athens, and suitable as weekend diversions, are the attractions of four of the state's most scenic areas—Dow Lake, a new lake just east of Athens, within a 2000 acre state park area, which is used by the University for educational and research projects; Lake Hope, in the heart of the Zaleski State Forest; the caves and gorges of the Hocking Park Area; and Burr Oak Lake, near Glouster.

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 each of the five-week summer terms on the same basis as at 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 (to obtain application blank, use the form on the last page of this bulletin), 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.

A student who has attended another college or university and who plans to come to Ohio University for the Summer Session *only*, is not required to provide transcripts of previous college credit, but he must furnish a statement from the school last attended that he is a student in good standing.

A student attending for the Summer Session *only* is not required to provide the medical report and vaccination certificate *unless he wishes his credits to apply on an Ohio University degree program*.

Application for admission to the University does not constitute an application for University housing. For information concerning application for living quarters, see "Living Arrangements."

APPLICANTS FROM OHIO. All residents of Ohio who are graduates of approved high schools are eligible for admission to the University. An applicant, however, who ranks in the lower half of his graduating class and, in addition, has a low expectancy of success in college will be admitted *on special warning*. This status for the low-in-class graduate will be determined on the basis of freshman test scores, pattern of high school subjects, and high school recommendations. The tests must be taken at an authorized time prior to the opening of the Summer Session.

Ohio University recognizes the General Education Development Tests and will admit a veteran on the basis of satisfactory scores achieved on these tests. However, the applicant may be accepted only for the two-year program if his test scores are low.

Any applicant, a resident of Ohio, who has attended another university or college and who desires to transfer to Ohio University is considered for admission if he has a point-hour ratio of 2.0 (C) on the basis of all hours attempted, and if he is eligible for good standing at Ohio University.

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.

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 point-hour ratio of 2.0 (C) on the Ohio University grade-point system on all hours attempted in all of his previous college work, and if he is eligible for good standing at Ohio University.

SPECIAL STUDENTS. A person who has completed a minimum of 15 units of high school work and is not working toward a degree or diploma at Ohio University, or a mature person (ordinarily 21 years of age or over) not working toward a degree or diploma, may be accepted as a *Special Student*. Such a person must file an application for admission to the University and clear through the Admissions Office. He is permitted to carry a full class load and may take any course for which he may be qualified.

A student who is attending another university may be admitted for the summer session as a special transient student by presenting a 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.

G. I. BILL TRAINEES

Veterans entering Ohio University for the first time should report to the Veterans Office, Room 9A, Ewing Hall, for information concerning their educational benefits. Following enrollment, the portion of the registration card marked *Coordinator* must be presented to the Coordinator of Veterans Affairs before enrollment under the *G.I. Bill* is complete.

Public Law 550 veterans (Korean G.I. Bill) should bring with them a copy of their Certificate for Education and Training (Form 7-1993) issued by the Veterans Administration. Public Law 894 (Disabled Korean G.I. Bill) veterans must be approved by the Training Officer who will be in the Veterans Office on registration day. Public Law 634 students (veteran's orphans) should also report to the Veterans Office as soon as possible after arrival on campus.

Veterans who carry non-credit toward degree courses as part of their load may expect to receive only partial benefits.

REGISTRATION

Details concerning the registration procedure are given in the Schedule of Classes which may be obtained from the Registrar. A fee of three dollars 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. The hour and place for advising and registration will be indicated on the permit to register.

ACADEMIC LOAD. The normal academic load for a five-week term is six semester hours.

CREDIT. All credit is designated in semester hours. The credit hours applicable to any given course taken in a five-week summer term are 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.

REGISTRATION AND OTHER FEES

Fees are payable at time of registration

EACH FIVE-WEEK TERM	Resident of Ohio	Non- Resident
Comprehensive fee for load of 4 to 6 semester hours, inclusive -----	\$50.00	\$105.00
Includes the general registration fee, the student activity fee, student service fees such as health, library, and testing, and course and laboratory fees. Excludes fees for private instruction, as in music and bowling, which are listed in the course description.		
Extra fee for each semester hour in excess of 6 ---	12.00	25.00
Comprehensive fee for each semester hour for load of 1 to 3 hours inclusive, for entire term or for any portion of the term, including workshops and special classes) -----	12.00	25.00
Auditors pay fees in full as above.		

MATRICULATION FEE. This \$10.00 fee is paid upon first registration in the University as a classified student. A student who transfers elsewhere and returns, pays the fee again upon readmission (one who attends another college as a transient student does not pay). A student who is dropped pays the fee again when he is reinstated.

INCIDENTAL FEE FOR GRADUATE ASSISTANTS, \$10.00.

REFUND OF FEES. Voluntary and official withdrawal from the University during either term entitles the student to a refund of 75% of the comprehensive fee through Monday of the second week. There is no refund after this date.

FINANCIAL AIDS

Ohio University attempts to assist students in furthering their education on the college level by providing three types of financial aid: scholarships, and part-time employment.

Students who are eligible for a scholarship at Ohio University for the fall semester, may start their scholarship early to include summer school.

Upperclassmen on Ohio University awards may be continued through the summer sessions providing they are eligible and if they so desire.

Board jobs and part-time employment are available for summer school students.

Persons desiring information concerning any of these types of aid or who submit applications for them should direct their communications to the Director of Student Financial Aids, Ohio University, Athens, Ohio.

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. Students who fail to make a grade of A or B in English 4 or in English 293 take the Proficiency Test. Those who fail the Test report to the Writing Clinic. See the schedule of classes.

PHYSICAL EDUCATION. Men students have a flexible requirement. The normal requirement of two semesters may be reduced by passing physical proficiency and sports tests which are offered at pre-registration periods and near the close of each summer term.

Women students are required to complete two 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 25 weeks with the completion of a minimum of 30 semester hours. If the minimum requirement is met, the 25 weeks must constitute final residence.

FINAL EXAMINATIONS. All students are required to take final examinations in order to receive credit. Final examinations are held during the last week of each 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. The application fee for a degree is \$10; for the Associate in Arts diploma, \$5. Application for graduation made after the time designated adds \$5.

TIME LIMIT. The time limit for fulfilling the published requirements for a degree is five years from the date of first registration in the University. Requirements instituted subsequent to the student's initial registration are applicable at the discretion of the University.

The following additional regulations apply:

1. A student who is advanced to a degree college at the end of his first year, and who does not change his major or equivalent, fulfills the requirements in effect at the time he first registered in the University.

2. A student who is retained in the University College for more than one year fulfills the requirements in effect at the time he enters the degree college. If he changes his major or equivalent he fulfills the requirements in effect at the time he makes the change.

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 this 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.

MINIMUM STANDARD FOR GRADUATION. To meet the minimum standard for graduation from Ohio University, a student must have a point-hour ratio of 2.0 (C) on all hours attempted, but including only the final hours and points in repeated courses. This applies to his total record, and to 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 to 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. Work may not be taken at another college to make up this deficiency.

SUMMER SESSION COMMENCEMENT. Degrees and diplomas are awarded at formal graduation exercises at the end of the second five-week term. Attendance at graduation exercises is required, except for students who have been given permission to graduate *in absentia*, or who are excused.



COURSES OF INSTRUCTION

Classes in the Summer Session are held five days a week, Monday to Friday, inclusive. Class periods are 90 minutes in length, with ten-minute intervals between. The schedule begins at 7:00 and continues with classes at 8:40, 10:20, 12:00, 1:40 and 3:20.

Normally, a class carrying three semester hours of credit meets daily, Monday through Friday, for 90 minutes; a class carrying two hours of credit meets daily, Monday through Friday, for 60 minutes; and a class carrying one hour of credit, on Tuesday and Thursday, for 90 minutes.

In the list of offerings a typical title line contains the following information: (1) course number, (2) course title, (3) semester hours of credit, (4) hour(s) and days of the week on which the class meets, and (5) the instructor. When the abbreviation, "Arr.," is used it means that the time 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 term.

The catalog number indicates the student classification for which the course is designed. The numbers are grouped as follows: 1 to 99, for freshmen; 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 from the Registrar.

NOTE

Unless otherwise indicated, courses meet each day, Monday through Friday, at the hours shown.

Some 4 and 5 hour courses will continue for both summer terms (10 weeks). This is indicated following the course title.

COURSES FOR THE FIRST AND SECOND TERMS

ACCOUNTING

(FIRST TERM)

- | | | | | |
|------|--|--------|-------|-----------|
| 75. | ELEMENTARY ACCOUNTING | 3 | 8:40 | Stewart |
| | The fundamental principles of accounting theory and practices as they affect corporations, partnerships, and proprietorships. | | | |
| 125. | INTERMEDIATE ACCOUNTING | 3 | 10:20 | Stewart |
| | Preparation and analysis of accounting statements; special problems in accounting for current, fixed, and intangible assets, for liabilities, and for corporate net worth; funds and reserves; and investments. Prereq., 76. | | | |
| 381. | RESEARCH IN ACCOUNTING | 1 to 3 | Arr. | The Staff |
| | Prereq., 306, 324, and permission. | | | |
| 495. | THESIS | 1 to 6 | Arr. | The Staff |
| | Prereq., permission. | | | |

(SECOND TERM)

- | | | | | |
|-----|---|---|------|--------|
| 76. | ELEMENTARY ACCOUNTING | 3 | 8:40 | Frazee |
| | A continuation of Accounting 75. See description under 75, first term. Prereq., 75. | | | |

126. INTERMEDIATE ACCOUNTING	3	10:20	Frazer
A continuation of Accounting 125. See description under 125, first term. Prereq., 125.			
381. RESEARCH IN ACCOUNTING	1 to 3	Arr.	The Staff
Prereq., 306, 324, and permission.			
495. THESIS	1 to 6	Arr.	The Staff
Prereq., permission.			

ADVERTISING

(SECOND TERM ONLY)

155. ADVERTISING PRINCIPLES	3	8:40	Baird
A survey of advertising which considers its place in the field of marketing and its fundamental procedures. Prereq., Mkt. 155 or permission.			
381. RESEARCH IN ADVERTISING	1 to 3	Arr.	The Staff
Prereq., 18 hrs. commerce including 5 hrs. advertising and permission.			
495. THESIS	1 to 6	Arr.	The Staff
Prereq., permission.			

AGRICULTURE

(FIRST TERM)

2. INTRODUCTION TO AGRICULTURE	3	7:00	DeVeau
A general education course for all students to develop an understanding of the efficient use and conservation of agriculture's resources. A survey of the different agricultural enterprises, their interrelationships, and their relation to state and national agricultural problems. Identification of crops and livestock and their use.			
102. GARDENING	3	10:20	DeVeau
A study of the production, marketing, and preservation of vegetables for the home and market. A survey of plants raised in the garden and greenhouse. Garden planning and flower arrangement.			
201. AGRICULTURAL PRACTICES	3	8:00-12:00 MTWTh	DeVeau, Stright
Practical experience either on the University farm or in the University greenhouse.			
202. AGRICULTURAL PRACTICES	3	8:00-12:00 MTWTh or 1:00-5:00 MTWTh	DeVeau, Stright
A continuation of Agriculture 201. Prereq., 201.			
322. AGRICULTURAL PROBLEMS	1 to 3	Arr.	The Staff
Intensive individual work either in research or in systematic reading or both in some advanced phase of agriculture under the guidance of the instructor to meet the needs and interests of the student. Maximum credit in course 9 hrs. Prereq., 15 hrs. and permission.			

(SECOND TERM)

201. AGRICULTURAL PRACTICES	3	8:00-12:00 MTWTh	DeVeau, Stright
Practical experience either on the University farm or in the University greenhouse.			
202. AGRICULTURAL PRACTICES	3	1:00-5:00 MTWTh	DeVeau, Stright
A continuation of Agriculture 201. See description under 201, first term. Prereq., 201.			
322. AGRICULTURAL PROBLEMS	1 to 3	Arr.	The Staff
See description under 322, first term.			
381. RESEARCH IN AGRICULTURE	2 or 3	Arr.	The Staff
Independent research. Maximum credit in course 6 hrs. Prereq., 18 hrs. and permission.			

ART

(FIRST TERM)

- | | | | | |
|------|--|--------|------------|-----------|
| 3. | ELEMENTARY DESIGN FOR TEACHERS
Principles of design, color, lettering, and related problems. Planned for students who expect to major in elementary education. | 2 | 8:40 | McCarthy |
| 115. | CERAMICS
Production processes. Introduction to the chemistry of glazes and simple geology of clays. Field trips to potteries and native clay deposits. Prereq., 2 or equivalent. | 3 | 1:40, 3:20 | Lin |
| 160. | PRACTICAL DESIGN WORKSHOP FOR ELEMENTARY TEACHERS
Problems in modeling, ceramics, murals, puppets, painting, and other activities related to the elementary school and philosophy of teaching. Prereq., 3. | 3 | 7:00, 8:40 | Leonard |
| 316. | ADVANCED CERAMICS
Advanced production methods. Construction of potter's wheel, ball mill, and electric kilns. Advanced glaze and clay testing techniques. Maximum credit in course, 12 hrs. Prereq., 9 hrs., including 116 and permission. | 3 | Arr. | Lin |
| 341. | ADVANCED PAINTING (June 22-July 17)
Maximum credit in course, 12 hrs. Prereq., 20 hrs. and permission. | 2 or 3 | 1:40, 3:20 | Pozzatti |
| 381. | RESEARCH
Individual problems of theory and practice involving research techniques. Prereq., permission. | 1 to 5 | Arr. | The Staff |
| 495. | THESIS
Prereq., permission. | 1 to 6 | Arr. | The Staff |

(SECOND TERM)

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|------|--|--------|------------|-----------|
| 28. | FIGURE DRAWING
Study of the human figure from the nude and draped model. Maximum credit in course, 6 hrs. | 2 | 1:40 | Eldridge |
| 107. | ADVANCED DESIGN
Composition in different media with special attention to practical application. Prereq., 2 or equivalent. | 3 | 1:40, 3:20 | French |
| 111. | DRAWING WORKSHOP
Experimentation and familiarization with traditional and contemporary drawing techniques and media. Maximum credit in course, 4 hrs. Prereq., 2 or equivalent. | 2 | Arr. | Eldridge |
| 123. | JEWELRY
Original designs executed in silver and copper. Maximum credit in course, 6 hrs. Prereq., 2 or equivalent. | 2 | 8:40 | French |
| 205. | PAINTING
Basic techniques and practices in oil painting. Maximum credit in course, 12 hrs. Prereq., 10 hrs. or permission. | 2 | 8:40 | Loomis |
| 341. | ADVANCED PAINTING
Maximum credit in course, 12 hrs. Prereq., permission. | 2 or 3 | Arr. | Loomis |
| 381. | RESEARCH
See description under 381, first term. | 1 to 5 | Arr. | The Staff |
| 471. | ADVANCED PAINTING
Advanced work in traditional and contemporary media. Solutions to the student's problems are sought in relation to his personal objectives. Maximum credit in course, 12 hrs. Prereq., permission. | 2 or 3 | Arr. | The Staff |
| 495. | THESIS
Prereq., permission. | 1 to 6 | Arr. | The Staff |

ART HISTORY

(SECOND TERM ONLY)

382. **CUBISM, EXPRESSIONISM, AND LATER DEVELOPMENTS** 3 1:40 Leach
Appearance and development of basic artistic expressions from the beginning of the twentieth century to the present. Prereq., F.A. 17 and 18 or permission.

BOTANY

(FIRST TERM)

3. **GENERAL BOTANY** 3 7:00, 8:40 Blickle
The structure and functions of plants, life cycles, classifications, genetics, a survey of the plant kingdom, and the fundamental inter-relationships of plants and animals, including man. No credit if Biol. 1 and 2 have been completed.
343. **BOTANICAL STUDIES** 1 to 4 Arr. Blickle
Semi-independent studies supervised by the instructor. May include interdepartmental projects. Maximum credit in any area, 4 hrs.; total 8 hrs. Prereq., 12 hrs. including one listed course in that area and permission.
381. **RESEARCH PROBLEMS** 1 to 4 Arr. Blickle
Independent research. Maximum credit in course, 6 hrs. Prereq., 18 hrs. and permission.
495. **THESIS** 1 to 6 Arr. Blickle
Prereq., permission.

(SECOND TERM)

123. **INTRODUCTION TO THE FUNGI** 3 12:00, 1:40 Vermillion
A general survey field and laboratory course designed to give the student a working knowledge of the various kinds of fungi. Both taxonomy and morphology are stressed, one supplementing the other. Prereq., 4 or Biol. 2.
343. **BOTANICAL STUDIES** 1 to 4 Arr. Vermillion
See description under 343, first term.
381. **RESEARCH PROBLEMS** 1 to 4 Arr. Vermillion
Independent research. Maximum credit in course, 6 hrs., Prereq., 18 hrs. and permission.
495. **THESIS** 1 to 6 Vermillion
Prereq., permission.

BUSINESS LAW

(FIRST TERM)

255. **BUSINESS LAW** 3 7:00 Kloss
The principles of law involved in contracts, agency, sales, negotiable instruments, partnerships, and corporations. Prereq., junior or senior rank.
342. **LAW OF REAL ESTATE** 2 10:20 Kloss
Deeds, mortgages, leases, and other interests in real property, and the relationships between landlord and tenant. Prereq., 256 or permission.
381. **RESEARCH IN LAW** 1 to 3 Arr. The Staff
A study of selected cases and current litigation in any field of law of particular interest to the student. Prereq., 18 hrs. commerce including 256 and permission.

(SECOND TERM)

256. **BUSINESS LAW** 3 7:00 Kloss
A continuation of Business Law 255. See description under 255, first term. Prereq., 255.
381. **RESEARCH IN LAW** 1 to 3 Arr. The Staff
See description under 381, first term.

CHEMISTRY

(FIRST TERM)

113. **ORGANIC CHEMISTRY** (ten-week course) 4 8:40-10:10 MWF The Staff
A course in the fundamentals of organic chemistry, designed for students not majoring in chemistry or pre-medicine. Prereq., 2 or 4.
117. **ORGANIC CHEMISTRY LABORATORY** (ten-week course) 2 1:40-5:30 TTh The Staff
A laboratory course in organic preparations and reactions to accompany Chemistry 113. Prereq., 113 or with 113 or 202 or with 202.
350. **CHEMICAL LITERATURE** 2 8:40-10:10 MWF The Staff
Types of information in technical publications; exercises in finding, assembling, and using such data. Prereq., 24 hrs.; reading knowledge of German.
481. **RESEARCH IN CHEMISTRY** 1 to 4 Arr. The Staff
Prereq., 36 hrs.
495. **THESIS OR DISSERTATION** 1 to 4 Arr. The Staff
Prereq., permission.

(SECOND TERM)

480. **RESEARCH LABORATORY TECHNIQUES** 3 8:40-10:20 The Staff
An introduction to the important techniques of chemical research. Prereq., permission.
481. **RESEARCH IN CHEMISTRY** 1 to 4 Arr. The Staff
Prereq., 36 hrs.
495. **THESIS OR DISSERTATION** 1 to 4 Arr. The Staff
Prereq., permission.

CLASSICAL LANGUAGES

LATIN

(FIRST TERM ONLY)

127. **CLASSICAL LATIN PROSE** 3 8:40
Prereq., 2 or 2 years high school Latin.

DRAMATIC ART

(FIRST TERM)

347. **WORKSHOP IN SUMMER THEATRE** 2 to 8 Arr. Lane, Catalano
Practical experience in all phases of theatre through participation in the productions of the Ohio Valley Summer Theatre. Maximum of 16 credits. Prereq., permission.
447. **ADVANCED PROBLEMS IN DRAMATIC PRODUCTION** 3 to 6 8:40 MWF Lane, Catalano
Lectures, readings, reports, and discussions on problems of underlying philosophy, administrative structure, management, finance, and direction of theatre programs, with special reference to the summer theatre program which serves as a laboratory for observation and participation. Maximum credit, 6 hrs. Prereq., permission.
494. **RESEARCH** 1 to 6 Arr. The Staff
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

347. **WORKSHOP IN SUMMER THEATRE** 2 to 8 Arr. Lane
See descriptions under respective numbers, first term.
447. **ADVANCED PROBLEMS IN DRAMATIC PRODUCTION** 3 to 6 Arr. Lane
494. **RESEARCH** 2 to 6 Arr. The Staff
495. **THESIS** 1 to 6 Arr. The Staff

ECONOMICS

(FIRST TERM)

101. **PRINCIPLES OF ECONOMICS** 3 7:00 Charle
The basic theory and economic analysis of prices, markets, production, wages, interest, rent, and profits. Prereq., not open to freshmen nor to those who have had 11 and 12.
320. **ORGANIZATION AND STRUCTURE OF INDUSTRY** 3 10:20 Charle
Emphasizes the economic characteristics of the principal manufacturing and processing enterprises, and considers their historic development, financial organization, and legal aspects. Prereq., 12 or 102.
335. **LABOR ECONOMICS** 3 7:00 Crewson
Survey of the economic forces generating modern labor problems. Among the topics considered are: history of the labor movement, labor in politics, labor-management relations, wages, and full employment. Prereq., 12 or 102.
375. **ECONOMIC DEVELOPMENT** 3 8:40 Crewson
An analysis of the nature of, obstacles to, and future possibilities for the economic growth of nations. Special emphasis is given to the problems of the underdeveloped countries. Studies of selected countries are utilized. Prereq., 12 or 102.
380. **STUDIES IN ECONOMICS** 1 to 3 Arr. The Staff
Directed readings and/or research in selected fields of economics. Topics selected by student with advice of staff member. Prereq., 12 hrs. and permission.
381. **RESEARCH IN ECONOMICS** 1 to 3 Arr. The Staff
Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

102. **PRINCIPLES OF ECONOMICS** 3 7:00 Picard
A continuation of Economics 101. See description under 101, first term. Prereq., 11 or 101. Not open to freshmen nor to those who have had 12.
332. **MODERN ECONOMIC THOUGHT** 2 10:20 Picard
An analysis of the contributions to economics of the most significant writers since Alfred Marshall. Prereq., 12 or 102.
333. **ECONOMIC THEORY** 3 8:40 Witte
An intensive study of the price system as an allocative mechanism. This includes the price and production policies of individual firms under alternative market conditions and an analysis of the effect of these policies on the social efficiency of resource allocation. Prereq., 12 or 102.
342. **INTERNATIONAL ECONOMICS** 3 12:00 Witte
A study of the economic relations of nations of the world. Some of the topics considered are: the economic basis for international trade and investment; the mechanics of international exchange; tariffs, quotas, exchange control, cartels, and state trading as devices of economic nationalism; and international economic cooperation with special reference to organizations affiliated with the United Nations. Prereq., 12 or 102.
380. **STUDIES IN ECONOMICS** 1 to 3 Arr. The Staff
See description under 380, first term.
381. **RESEARCH IN ECONOMICS** 1 to 3 Arr. The Staff
Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

EDUCATION

(FIRST TERM)

100. **THE DEVELOPMENT OF KINDERGARTEN EDUCATION** 2 7:00-8:00 Starks

The history, development, philosophy, and current trends in Kindergarten Education. A study is made of the experiences appropriate to the age level based on the developmental approach to learning. Prereq., 103, Kdgn.-Prim. majors or permission.

101. **MATERIALS AND METHODS IN KINDERGARTEN-PRIMARY EDUCATION** 2 1:40-2:40 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. Prereq., 103.
103. **STUDIES OF CHILDREN** 3 7:00 Deland
Bases for a developmental theory of education: growth sequences through adolescence; principles of development, behavior, and learning; techniques of child-study; systematic observation in the University Elementary School; implications for educational practice.
163. **TEACHING OF READING AND LANGUAGE** 3 1:40 Olson
A practical course covering the language arts program in the elementary school. Methods and materials valuable in promoting child development in reading and the expressional phases of language are given major emphasis.
169. **TEACHING OF SOCIAL STUDIES AND SCIENCE IN THE ELEMENTARY SCHOOL** 3 8:40 Felsing
Materials and methods used in teaching the content subjects in the elementary schools, with special emphasis upon unit teaching, social studies skills, and practical experiences in the teaching of science.
211. **THE CHILD AND THE CURRICULUM** 3 12:00 Barnard
A study of the content of the elementary school curriculum. Emphasis is placed upon the service role of the curriculum to children and society. Prereq., senior rank, 272.
222. **DIAGNOSTIC AND REMEDIAL INSTRUCTION IN ELEMENTARY SUBJECTS** 2 8:40-9:40 Deland
A laboratory course in methods of diagnosis and remedial treatment in fundamental school subjects for problem cases. Students are given opportunity to observe and work with exceptional children.
403. **ADVANCED STUDIES OF CHILDREN** 3 8:40 Quick
An intensive study of certain basic research in child development and its implications for education. Prereq., 15 hrs. education or psychology, or permission.
412. **SEMINAR IN ELEMENTARY EDUCATION** 2 1:40-2:40 Fuller
A course designed for teachers and administrators who wish to extend their professional preparation through individual research, group study and planning in the areas of elementary education. Prereq., permission.
417. **RESEARCH AND CURRICULUM IN ELEMENTARY EDUCATION: SOCIAL STUDIES** 3 10:20 Felsing
Critical evaluation of the literature and recent research on objectives, content, and methodology. History of instruction, current problems and issues, recent trends and emphases in teaching practices. Impact of dominant theories of learning and philosophies of education. Research design and methodology in scientific investigations. Prereq., permission.

SECONDARY EDUCATION

130. **SECONDARY EDUCATION** 3 1:40 Lynn
A historical, comparative, and contemporary study of secondary education. Emphasis is placed on the interrelations of school and society; administrative considerations such as pupil personnel, and the control, support, and organization of schools; and the objectives of education, programs of study, and student activities. Prereq., Psych. 5 and sophomore standing.
229. **CURRICULUM AND TEACHING PRACTICES** 4 10:20, 12:00 TTh C. Roberts
Topics which receive major consideration are curricular content and organization, principles of teaching-learning, techniques of classroom work, evaluation, and the respective roles of the teacher and the pupil. Consideration is given to the specific methods of the fields in which the student will be certified to teach. Prereq., 130.

428. **ADVANCED PRINCIPLES OF TEACHING** 3 8:40 C. Roberts
A critical appraisal of teaching in the light of available research on learning and teaching. Prereq., 229 (or equivalent) and Psych. 5.
470. **SEMINAR IN SECONDARY EDUCATION** 2 1:40-2:40 Fuller
A course designed for teachers and administrators who wish to extend their professional preparation through individual research, group study and planning in the areas of secondary education. Prereq., permission.

GUIDANCE AND COUNSELING

360. **GUIDANCE PRINCIPLES** 3 7:00 D. A. Green
The need for guidance in the schools; the nature of guidance. The major services, their operation, organization, and evaluation. Prereq., 6 hrs. education and Psych. 5.
362. **INFORMATION SERVICE IN GUIDANCE** 2 7:00-8:00 Hill
The collection, evaluation, and use of occupational, educational, and related information in the school guidance program. Prereq., 360.
463. **INDIVIDUAL ANALYSIS IN GUIDANCE** 3 10:20 D. A. Green
This course provides training in the understanding and use of such student appraisal devices as the cumulative record, personal data questionnaires, case study procedures, rating scales, sociometric tests, home visitation, anecdotal records, and standardized tests; the development of an adequate basis upon which to use these sources of information; and the synthesis required for sound procedure. Prereq., permission.

HISTORY AND PHILOSOPHY

351. **THE SCHOOL IN THE SOCIAL ORDER** 3 7:00 Shoemaker
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 school. Prereq., 6 hrs. education and Psych. 5.
353. **THE EVOLUTION OF EDUCATIONAL THOUGHT** 3 8:40 Shoemaker
Deals solely with the educational writings of such theorists as Plato, Aristotle, Quintilian, Montaigne, Locke, Comenius, Rabelais, Rousseau, Pestalozzi, Froebel, Herbart, and Dewey. Prereq., 6 hrs. education and Psych. 5.
358. **WORKSHOP IN ECONOMIC EDUCATION** 3 Arr. June 22-July 10 Forbes
A study of basic economic concepts and practical economic problems with the view to their integration into the school curriculum. Prereq., permission.

LIBRARY SCIENCE

(See Library Science)

RESEARCH AND SCIENTIFIC TECHNIQUES

381. **EDUCATIONAL STATISTICS** 3 12:00 Sligo
The tabulation and graphical representation of frequency tables, measures of central tendency, percentiles and percentile curves, measures of variability, probability and the normal curve, and correlation. Prereq., 6 hrs. education and Psych. 5.
385. **EDUCATIONAL MEASUREMENTS** 3 7:00 Sligo
The improvement of the essay examination; criteria for evaluating tests; teacher-made objective tests; standardized tests; elementary statistical procedures. Prereq., 6 hrs. education and Psych. 5.
484. **RESEARCH IN EDUCATION** 1 to 4 Arr. The Staff
Students are directed in the investigation of selected phases of educational theory and practice. Prereq., 9 hrs. education and Psych. 5, and permission.
488. **INTRODUCTION TO GRADUATE STUDY** 3 12:00 Fuller
Methods of research in education and the selection, planning, and evaluation of research problems. The history and purposes of graduate education. Required of all graduate students in education. Prereq., open to all graduate majors and minors in education and to other graduate students by permission.

495. **THESIS** 1 to 4 Arr. The Staff
 Preq., permission.

SCHOOL ADMINISTRATION AND SUPERVISION

430. **HIGH SCHOOL ADMINISTRATION** 3 8:40 Lynn
 The program of studies, the program for health, vocational education, guidance, extra-curricula activities, provisions for individual differences, the selection and assignment of teachers, and the school schedule. Preq., 6 hrs. education, including 440.
440. **GENERAL SCHOOL ADMINISTRATION** 3 7:00 S. Hicks
 Emphasis upon local and community school administration, including the administrative process, democratic school administration, the role of leadership, structural organization of schools, the board of education and the superintendency. Preq., 6 hrs. education.
443. **SCHOOL LAW** 3 7:00 Bean
 The constitutional basis for education, schools and their legal setting, school legislation and court decisions, with special reference to Ohio school law. Preq., 440.
446. **SUPERVISION OF INSTRUCTION** 3 12:00 Quick
 The principles underlying democratic supervision and techniques which promote the growth of teachers in service. Laboratory experiences in analysis of teaching situations. Preq., 410, and 211, or 322 and 430.
448. **ADVANCED THEORY AND PRACTICE** 3 8:40 Hicks
 Concepts and processes of administration. Theory and organization of public education in the U. S. The administration and community relationships; the educational program; personnel; funds and facilities; professional organization and counseling; legal aspects; communication skills. Preq., 9 hrs. school admin. courses; permission.

OBSERVATION AND STUDENT TEACHING

- 247e. **ADVANCED STUDENT TEACHING, ELEMENTARY** 3 8:30-11:30 M. Olson
 Enrollment by permission from the Director of Student Teaching.
- 274s. **ADVANCED STUDENT TEACHING, SECONDARY** 3 8:30-11:30 J. Evans
 Enrollment by permission from the Director of Student Teaching.

EDUCATION

(SECOND TERM)

ELEMENTARY EDUCATION

102. **LITERATURE FOR CHILDREN** 3 1:40 M. Ward
 Introduces the student to a study of literature written for children. Experiences with children, developing plans for organizing the literature program in the elementary school, and criteria for evaluating books characterize the course.
165. **TEACHING OF ARITHMETIC IN THE ELEMENTARY SCHOOL** 3 8:40 Benz
 Criteria for determining the arithmetic program; a grade-by-grade development of topics and of methods of presentation.
211. **THE CHILD AND THE CURRICULUM** 3 10:20 M. Ward
 See description under 211, first term.
411. **PROBLEMS IN ELEMENTARY CURRICULUM** 3 12:00 Quick
 A critical study of the basic issues and theories underlying curriculum development. Preq., permission.
412. **SEMINAR IN ELEMENTARY EDUCATION** 2 1:40-2:40 Fuller
 See description under 412, first term.

SECONDARY EDUCATION

130.	SECONDARY EDUCATION See description under 130, first term.	3	7:00	Benz
229.	CURRICULUM AND TEACHING PRACTICES See description under 229, first term.	4	10:20 & 12:00 TTh	The Staff
428.	ADVANCED PRINCIPLES OF TEACHING See description under 428, first term.	3	8:40	Quick
470.	SEMINAR IN SECONDARY EDUCATION See description under 470, first term.	2	1:40-2:40	Fuller

GUIDANCE AND COUNSELING

361.	GUIDANCE PRACTICE Directed practice in counseling and other personnel services in cooperating schools, to develop greater familiarity and skill in some of the commoner guidance services. Prereq., 360, and permission.	2	Arr.	D. A. Green
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RESEARCH AND SCIENTIFIC TECHNIQUES

484.	RESEARCH IN EDUCATION See description under 484, first term.	1 to 4	Arr.	The Staff
488.	INTRODUCTION TO GRADUATE STUDY See description under 488, first term.	3	10:20	Fuller
495.	THESIS Prereq., permission.	1 to 4	Arr.	The Staff

SCHOOL ADMINISTRATION AND SUPERVISION

332.	THE HIGH SCHOOL CURRICULUM The 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. Prereq., 6 hrs. education, including 130.	3	7:00	Lynn
410.	ADMINISTRATION OF THE ELEMENTARY SCHOOL The responsibilities of both teachers and principal in democratic administration in such areas as curriculum construction, supervision, plant management, public relations. Practical problems used as a basis of study. Prereq., 6 hrs. education, including 440.	3	10:20	The Staff
440.	GENERAL SCHOOL ADMINISTRATION See description under 440, first term.	3	8:40	Warner
441.	STATE AND NATIONAL SCHOOL ADMINISTRATION Emphasis upon state and national school administration, including the state program of education, state responsibility, educational organization, certification and tenure, national educational services, federal relations to education and national problems in education. Prereq., 440.	3	1:40	Warner
442.	SCHOOL FINANCE AND BUSINESS ADMINISTRATION Local, state and federal finance, with problems in the financing of schools, business management in such areas as the school budget, financial reports, school purchasing, transportation and insurance. Prereq., 6 hrs. education, including 440.	2	8:40	Chase
445.	SCHOOL BUILDING PLANNING The planning of new school buildings and sites, plant evaluation, rehabilitation, maintenance problems, and school equipment. Prereq., 440.	2	12:00-1:00	Chase
446.	SUPERVISION OF INSTRUCTION See description under 446, first term.	3	7:00	R. Milliken

ENGINEERING
CIVIL ENGINEERING

(FIRST TERM)

120. **APPLIED MECHANICS** 3 1:40 Badger
Laws of equilibrium of forces; friction; centroids and moment of inertia. Prereq.,
Math. 101 or with 101.

(SECOND TERM)

222. **STRENGTH OF MATERIALS** 3 1:40 Badger
Elementary stresses and strains, torsion, flexure including elastic curve equations,
columns, combined stresses, stresses due to impact. Prereq., 120.

ELECTRICAL ENGINEERING

(FIRST TERM)

307. **ENGINEERING ELECTRONICS** 3 7:00, 8:00 G. Smith
A comprehensive theoretical and practical treatment of the fundamentals of electronics
and the general properties of electron tubes with application to engineering. Prereq.,
104, Math 102.

(SECOND TERM)

308. **ENGINEERING ELECTRONICS** 3 7:00, 8:00 G. Smith
A continuation of 307. See description under 307, first term.

ENGINEERING DRAWING

(FIRST TERM)

1. **ENGINEERING DRAWING** 2 10:20 Nellis
Lab. 1:40-4:00 MWF
Freehand lettering, use of instruments, geometric constructions, freehand drafting,
orthographic projection, auxiliary and sectional views, dimensioning. Isometric, obli-
que, detail and assembly drawing. Intersections, developments, tracings and blue
prints. Working drawings made from actual machine parts are dimensioned in the
accepted American Standard methods.

21. **DESCRIPTIVE GEOMETRY** 2 8:40 Nellis
Lab. 1:40-4:00 W
Problems relating to points, lines, planes, solids and their projections, space visual-
ization, curved surfaces, intersection of planes and solids, model making, practical
applications. Daily exercise sheets. Prereq., 1.

3. **SLIDE RULE** 1 1:40 TTh Nellis
Prereq., Math. 5.

(SECOND TERM)

1. **ENGINEERING DRAWING** 2 8:40 The Staff
Lab. 1:40-4:00 MWF
See description under 1, first term.

2. **ENGINEERING DRAWING** 2 10:20 The Staff
Lab. 1:40-4:00 MWF
A continuation of 1. Prereq., 1.

3. **SLIDE RULE** 1 1:40 TTh The Staff
Prereq., Math. 5.

MECHANICAL ENGINEERING

(FIRST TERM ONLY)

303. **MACHINE DESIGN I** 3 8:40 P. Black
Application of mechanics, mechanism, materials and mechanical processes to the
design and selection of machine members and units of power transmission. Prereq.,
201, C. E. 222 and Ch. E. 211.

ENGLISH

(FIRST TERM)

3. **ENGLISH COMPOSITION** 3 7:00 Purdum
A progressive course in written composition. Beginning with a brief review of the fundamentals of grammar and paragraph building, the course offers practice in writing clear, forceful exposition.
- ENGLISH CLINIC** No Credit 3:20 MW Culbert
An intensified drill on the fundamentals of composition. Required of all students who have failed the Proficiency Test or who have been remanded for drill.
101. **SOPHOMORE ENGLISH LITERATURE** 3 8:40 Purdum
A survey of English literature from the Middle Ages through the Seventeenth Century, with particular emphasis upon Chaucer, Shakespeare, and Milton. Prereq., 4.
111. **THE CHIEF AMERICAN WRITERS** 3 8:40 Kirchner
Examination of the representative prose and poetry of the Colonial writers and a more detailed study of the works of the principal authors before the Civil War. Prereq., 4.
112. **THE CHIEF AMERICAN WRITERS** 3 10:20 Kirchner
A study of selected prose and poetry of the well-established post-Civil War writers and some consideration of well-known writers. Prereq., 4.
224. **SHAKESPEARE** 3 8:40 McDonnell
Shakespeare's principal tragedies, with particular attention to his dramatic technique and the Elizabethan stage. Prereq., 4.
290. **CREATIVE WRITING** 3 8:40 Kendall
Individual work in the writing of fiction and non-fiction—short stories, essays, articles, verse. Prereq., 4.
293. **ADVANCED COMPOSITION** 3 1:40 Morris
An extended study of the rhetorical and grammatical principles of effective composition; practical work in a variety of writing problems. Prereq., 4.
322. **ELIZABETHAN DRAMA** 3 10:20 Kendall
A study of the English drama from 1550 to 1642, including the predecessors, the contemporaries, and the immediate followers of Shakespeare. Prereq., 12 hrs.; or 9 hrs. including 101, and 3 hrs. dramatic art.
361. **TWENTIETH CENTURY PROSE** 3 8:40 Stone
An intensive analysis of such writers as Joyce, Faulkner, Hemingway and Wolfe. Prereq., 12 hrs.
495. **THESIS** 1 to 6 Arr. Whan
Prereq., permission.

(SECOND TERM)

1. **ENGLISH COMPOSITION** 3 7:00 Holmes
The grammatical elements of English composition, the sentence, and the paragraph. After completing English I with a grade of not less than C, students are required to pass English 3-4. Credit for English I is not counted toward a degree.
4. **ENGLISH COMPOSITION** 3 8:40 J. Green, Kaufman
A continuation of 3. See description under 3, first term.
102. **SOPHOMORE ENGLISH LITERATURE** 3 8:40 Swardson
A survey of English literature from the Eighteenth Century to the present, including major figures. Prereq., 4.
112. **THE CHIEF AMERICAN WRITERS (2 sections)** 3 8:40 Whan
7:00 Lettis
A study of selected prose and poetry of the well-established post-Civil War writers and some consideration of well-known recent writers. Prereq., 4.

262. THE CONTEMPORARY ENGLISH AND AMERICAN NOVEL

3 10:20 Wells
Recent British authors, including Galsworthy, Conrad, Joyce, Bennett, and Woolf; American authors, including Cather, Dreiser, Lewis, Wolfe; living writers such as Maugham, Huxley, Hemingway, Faulkner; best novels of the season. Prereq., 4.

FINANCE

(SECOND TERM ONLY)

121. CORPORATION FINANCE 3 7:00 Dawson
Stocks and bonds, financing industrial, public utility and railroad companies, investment banking, securities markets, short-term financing, dividend policies, expansion and combination, refinancing, recapitalization, and reorganization. Prereq., 101 and Acct. 76.
275. INVESTMENT PRINCIPLES 3 8:40 Dawson
Information for individual investors which can be used in the management of personal investment problems. Among the topics to be considered are investment risks and how they can be handled, yields, analysis of financial statements, securities markets and their behavior. Prereq., 121.
381. RESEARCH IN FINANCE 1 to 3 Arr. The Staff
Special studies in money, banking, or corporation finance. Prereq., 9 hrs., Ec. 12 or 102 and permission.
495. THESIS 1 to 6 Arr. The Staff
Perreq., permission.

GENERAL STUDIES

(FIRST TERM)

BIOLOGY

1. Biology—THE LIVING WORLD 3 12:00, 1:40 Blickle
The fundamental similarities and differences among plants and animals; their protoplasm, cells, tissues, and organs; their physiological processes; and their reproduction, growth, and development. Not open to juniors or seniors.

(SECOND TERM)

2. Biology—THE LIVING WORLD 3 12:00, 1:40 Vermillion
Studies of representatives of the principal groups of plants and animals from the standpoint of structure, life history, and classification. The fundamental principles of heredity, evolution, ecology, and geographical distribution of organisms are set forth. This course is not designed for botany or zoology majors; but if it is taken, a maximum of three hours' credit may be allowed toward such a major, at the discretion of the department concerned. No credit allowed for this course for students who have completed Bot. 3-4 or Zool. 3-4. Prereq., 1. Not open to juniors and seniors.

PHYSICAL SCIENCE

3. Physical Science—THE PHYSICAL WORLD 3 12:00 Shipman
Lab. 1:40-3:40 MWF
A general physical science course designed for non-science majors. Emphasis is placed on basic scientific laws and principles and the solution of related problems without use of formal mathematics. Laboratory experiments are designed to help in the understanding of the various areas studied. Includes an introduction to astronomy, meteorology, and topography. Does not fulfill physics requirements for science majors. Not open to juniors and seniors.

GEOGRAPHY AND GEOLOGY

(FIRST TERM)

GEOGRAPHY

150. **GEOGRAPHY AND ENVIRONMENT** 3 8:40 Lehrer
A survey of man's response and adjustment to the varied natural environment throughout the world employing the concepts of human geography. Not open to students who have had Geog. 3 or 4.
202. **GEOGRAPHY OF THE UNITED STATES AND CANADA** 3 10:20 Lehrer
A systematic and regional study of the U. S. and Canada: the physical environment, natural resources, agriculture, and cultural development.
382. **GEOGRAPHICAL STUDIES** 1 to 4 in any of the following. Arr. The Staff
Supervised studies in fundamentals of geographic research, Maximum credit in any one area, 8 hrs. Prereq., 12 hrs. and permission.
a. Cartography.
b. Conservation of Natural Resources.
c. Economic Geography.
d. Meteorology and Climatology.
e. Physiography.
f. Political Geography.
g. Regional Geography.

(SECOND TERM)

GEOGRAPHY

232. **CONSERVATION OF NATURAL RESOURCES** 3 8:40 Sturgeon
Problems in the conservation of soils, water, minerals, forests and wild life as related to land use. The interrelations of these various factors and their educational significance are emphasized. Field trips.

GEOLOGY

- 102s. **COMMON MINERALS, ROCKS, AND FOSSILS** 3 10:20, plus 90 minute period arranged. Sturgeon
Introduction to study and identification of common minerals and rocks and common groups of fossils, including assembly of a basic collection useful to teachers. Not open to students who have had Geology 1, 2, 101, or 103. Field trips.
383. **GEOLOGICAL STUDIES** 1 to 4 in any of the following Arr. The Staff
Supervised studies in fundamentals of geologic research. Maximum credit in any one area, 8 hrs. Prereq., 12 hrs. and permission.
a. Glacial Geology and Physiography.
b. Mineralogy, Petrology, or Economic Geology.
c. Paleontology.
d. Sedimentation and Stratigraphy.
e. Structural Geology.

GERMAN

(FIRST TERM)

1. **BEGINNING GERMAN** 4 8:40 MTWThF, 1:40 TTh Krauss
Instruction in the fundamental grammatical principles, drill in pronunciation, conversation, and the reading of prose.
371. **ADVANCED GERMAN** 1 Arranged Kauss
Reading and research in German language and literature for advanced students. Maximum credit in course, 8 hrs. Prereq., 6 hrs. beyond 102.

(SECOND TERM)

2. **BEGINNING GERMAN** 4 8:40 MTWThF, 1:40TTh K. Johnson
A continuation of 1. See description under 1, first term. Prereq., 1.
371. **ADVANCED GERMAN** 1 Arranged K. Johnson
See description under 371, first term.

GOVERNMENT

(FIRST TERM)

1. **AMERICAN GOVERNMENT (National)** 3 10:20 E. Collins
Political and constitutional development, the organization and functioning of the national government. Not open to juniors and seniors.
106. **CURRENT POLITICAL AND SOCIAL PROBLEMS** 2 8:40-9:40 E. Collins
A consideration of current problems of a political, social, and economic nature, with particular emphasis on problems in the field of government.
398. **PROBLEMS IN GOVERNMENT** 1 to 3 Arr. E. Collins
Research or directed reading based upon the student's special interest. Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.
401. **RESEARCH IN GOVERNMENT** 1 to 3 Arr. E. Collins
Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. E. Collins
Prereq., permission.

(SECOND TERM)

2. **AMERICAN GOVERNMENT (State)** 3 10:20 R. Gusteson
Organization and functioning of state and local governments. Not open to juniors and seniors.
308. **LEGISLATURES AND LEGISLATIVE PROCESSES** 3 8:40 R. Gusteson
Major problems of representative government with respect to legislative assemblies. Analysis of structure, organization, and procedures; problems of representation; relationships between the legislature, the executive, the courts, and the people. Prereq., 9 hrs.
401. **RESEARCH IN GOVERNMENT** 1 to 3 Arr. R. Gusteson
Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. R. Gusteson
Prereq., permission.

HISTORY

(FIRST TERM)

1. **WESTERN CIVILIZATION IN MODERN TIMES** 3 10:20 C. Gustavson
The course covers the period from 1450 to 1815 and stresses the Renaissance, the Protestant Reformation, the agricultural and commercial revolutions, European expansion, the French Revolution and Napoleonic era. Not open to juniors and seniors.
101. **HISTORY OF THE UNITED STATES** 3 8:40 Stevens
A survey course covering the political, diplomatic, social, and economic development of American History to 1865.
301. **COLONIAL AMERICA** 3 12:00 Stevens
The discovery and colonization of America, the relation of the colonies to England, and the daily life of colonial Americans. Prereq., 6 hrs.
372. **CONTEMPORARY EUROPE** 3 8:40 C. Gustavson
Problems of peace and war in Europe since 1939. Prereq., 6 hrs.
392. **PROBLEMS IN HISTORY** 2 or 3 Arr. The 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. Prereq., 15 hrs., and permission. Maximum credit in course, 6 hrs.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

2. **WESTERN CIVILIZATION IN MODERN TIMES** 3 10:20 **Mayes**
Places emphasis on the industrial revolution, the unification of Italy and Germany, modern imperialism in Africa and Asia, 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. Not open to juniors or seniors.
102. **HISTORY OF THE UNITED STATES** 3 8:40 **Daniel**
A survey course covering the political, diplomatic, social, and economic development of American history since 1865.
331. **SOCIAL HISTORY OF THE UNITED STATES** 3 10:20 **Daniel**
Traces developments in immigration, race, family, class structure, religion, leisure, the "American way of life," problems of disease, crime, poverty, and urbanization. Prereq., 6 hrs.
392. **PROBLEMS IN HISTORY** 2 to 3 **Arr. The Staff**
See description under 392, first term.
395. **HISTORIOGRAPHY AND METHODOLOGY** 3 **Arr. Mayes**
An introduction to the technique of historical investigation with practice in historical criticism and writing. Prereq. 15 hrs.
495. **THESIS** 1 to 4 **Arr. The Staff**
Prereq., permission.

HOME ECONOMICS

(FIRST TERM)

301. ***TECHNIQUES IN TEACHING CLOTHING CONSTRUCTION** 2 2, 3 **Bane**
Special problems in sizing, alteration, fitting and construction as applied to teaching the high school student. Prereq., 316 or equivalent, teaching experience or certification to teach home economics.
302. ****TECHNIQUES IN TEACHING CLOTHING SELECTION** 1 2, 3 **Bane**
Methods of presenting clothing selection on the high school level with emphasis on psychological and economic aspects of clothing. Consumer and market trends to be included. Prereq., 316 or equivalent, teaching experience or certification to teach home economics.
316. **TAILORING** 3 8:40-11:50 **Bane**
Tailoring of suits or coats. Emphasis placed on professional techniques, advanced fitting problems, and construction of high fashion garments. Prereq., 4, 110.
351. **HOME MANAGEMENT** 2 1:00 **M. Rogers**
Economical use of time, energy, and money in the successful functioning of the home from the viewpoint of the satisfaction of members of the family. Prereq., 2 and 108, or 6 hrs. sociology.
353. **HOME MANAGEMENT LABORATORY** 3 **Arr. M. Rogers**
Residence in the home management house for one session provides experience in the use of human and material resources of the family for the optimum development of its members. A charge is made to cover room and board. Prereq., 351 or with 351, and permission.
360. ****HOME MANAGEMENT WORKSHOP** 1 8:40, 10:40 **M. Rogers**
Special workshop to aid the home economics teacher will be scheduled during the summer sessions. Maximum credit toward graduate degree—6 hrs. Prereq., 268 or equivalent, teaching experience or certification.
368. **DEMONSTRATION TECHNIQUES** 2 2, 3 **V. Roberts**
Practical experience in the demonstration of foods, equipment or clothing. Planned for those going into secondary education or consumer service positions. Prereq., 12 hrs.
381. **RESEARCH IN HOME ECONOMICS** 1 to 3 **Arr. V. Roberts**
A project course in which the student carries on independent investigations or problems under the guidance of the instructor. Maximum credit in course, 6 hrs. Prereq., 20 hrs. and permission.

- 390b. **FIELD WORK IN HOME ECONOMICS—HOME SERVICE** 4 Arr. V. Roberts
 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. The faculty advisor serves as coordinator of the work established with these outside agencies. Prereq., 18 hrs., permission, and senior rank.
- 390d. **FIELD WORK IN HOME ECONOMICS—FIELD MERCHANDISING** 4 Arr. V. Roberts
 See description under 390b. Prereq., 18 hrs., permission, and senior rank.
495. **THESIS** 2 Arr. V. Roberts
 Prereq., permission.
 *Offered June 29 through July 17.
 **Offered June 15 through June 26.

(SECOND TERM)

325. **ADVANCED FOOD PREPARATION AND PRESERVATION** 3 8:40 to 11:50 TWThF
 8:40 to 10:20 M Lewis
 An advanced course in food preparation including comparative cookery, and home food preservation. Factors affecting palatability and retention of nutrients in food will be considered. Prereq., 2.
330. **HOME FURNISHINGS WORKSHOP** 3 1:00 to 4:00 MTWTh
 1:00 to 2:30 F Makroczy
 Laboratory problems in advanced techniques in home furnishings, including upholstering, slip-covering, refinishing furniture, and making draperies. Prereq., 7 and 4; for non-majors 7 and 4 hrs. art and permission.
- 390b. **FIELD WORK IN HOME ECONOMICS—HOME SERVICE** 4 Arr. V. Roberts
 See description under 390b, first term.
- 390d. **FIELD WORK IN HOME ECONOMICS—HOME SERVICE** 4 Arr. V. Roberts
 4 Arr. V. Roberts
 See description under 390d, first term.

HUMAN RELATIONS

(FIRST TERM ONLY)

325. **FIELD WORK OR RESEARCH** 1 to 3 Arr. B. Black
 An opportunity for individual work in a specialized area of human relations; field work in human relations; or supervised work for a specified time in the offices of admissions, Registrar, O.U. Center, housing, and University College; or research under the direction of the staff. Maximum credit in course, 5 hrs. Prereq., 303 and permission.
495. **THESIS** 1 to 6 Arr. The Staff
 Prereq., permission.

INDUSTRIAL ARTS

(FIRST TERM)

5. **DRIVER EDUCATION** 1 12 TTh Perry
 3 per. arr.
 A beginning course in driving. Laboratory practice in dual-control car. Study includes the car and current problems of traffic. Credit not counted toward degree. Fee, \$15.
9. **CRAFT AND HOBBY WORK** 2 1:40-3:40 Paige
 A laboratory course in which any student of the University may learn to work with wood, leather, reed, plastics, textiles or other available materials.
13. **GENERAL COLD METALS** 3 7, 8:40, 10:20 June 15-July 3 Adams
 A study of the materials and the fundamental operations involving hand and machine work in sheet metal, bench metal and machine shop.

106. **ADVANCED WORK IN CRAFTS** 2 1:40-3:40 Paige
Emphasis will be placed upon skill development in some craft area chosen by the student in consultation with the instructor. Evidence of original design and specialized skill development, as applied to the chosen materials, is a requirement for this course. Prereq., 9 or permission.
107. **SHEET AND ART METAL** 2 8:40, 10:20 June 15-July 3 Adams
The laboratory work consists of laying out, cutting, forming, joining, decorating and finishing sheet metals. Proper use and maintenance of hand tools and machine tools are emphasized. Prereq., 13 or permission.
115. **INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL** 1 or 2 1:40-3:40 Paige
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. Prereq., elementary teaching majors only.
199. **ADMINISTRATION OF DRIVER EDUCATION** 3 12 Perry
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., Psych. 5 or permission.
328. **SPECIAL PROBLEMS IN INDUSTRIAL ARTS** 1 to 3 Arranged Perry
A research course where individual problems are selected for investigation, solution, and reporting. Maximum credit in course, 3 hrs. Prereq., senior rank.
371. **ADMINISTRATION AND SUPERVISION OF INDUSTRIAL EDUCATION** 2 8:40, 10:20 July 6-17 Mason
This course is a study of the philosophy of industrial education, of the Federal laws pertaining to vocational education and the problems and practices of administration and supervision of vocational and non-vocational industrial education in the public schools. Prereq., permission.
- 450b. **ADVANCED WORK IN METALS** 2 8:40, 10:20 June 15-July 3 Adams
Advanced laboratory work in the metal area, along with a study of the industrial practices in the field of metal. Prereq., 13, 14.
481. **RESEARCH IN INDUSTRIAL ARTS** 2 or 3 12:00 Paige
Students are directed in the investigation of selected phases of the theory and practice of industrial education. A written report of this investigation is to be presented by each student to the departmental graduate committee. Prereq., Ed. 488.
491. **SEMINAR IN INDUSTRIAL ARTS EDUCATION** 2 or 3 8:40, 10:20 June 15-July 3 Perry
Reports on recent books and magazine articles, and reports based upon original research will be given and followed by group discussion and criticism. Prereq., 15 hrs.
495. **THESIS** 1 to 6 Arranged The Staff
Prereq., permission.
- (SECOND TERM)
1. **GENERAL WOODWORKING I** 3 12, 1:40 Calvin
A study of the uses of common hard and soft woods, hand tools, and machinery, joints and other methods of wood fabrication, glues, finishes, and the planning of projects.
14. **GENERAL HOT METALS** 3 7, 8:40 Calvin
This course includes the basic operations in forge, foundry, and welding practice. Related information, both technical and general, is included as part of each phase of laboratory work.
104. **FURNITURE UPHOLSTERY** 2 12, 1:40 MWF Calvin
A study of the tools, equipment, and materials used in the construction and repair of spring seats, padded seats, and overstuffed furniture. Practice will include both old and new construction.
109. **CABINET MAKING** 2 12, 1:40 MWF Calvin
The design and construction of various kinds of cabinets. Includes individually-designed projects and production methods. Prereq., 2.

122. **ADVANCED FOUNDRY** 2 7, 8:40 MWF Calvin
Activity will consist of practice in various molding and core making techniques. Opportunity for individual experimentation and research will be provided. Prereq., 14.
129. **WELDING** 2 7, 8:40 MWF Calvin
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. Prereq., 14.
- 450a. **ADVANCED WORK IN WOOD** 2 12, 1:40 MWF Calvin
Advanced laboratory work in the wood area, along with a study of the industrial practices in the field of wood. Prereq. 1, 2.
- 450b. **ADVANCED WORK IN METALS** 2 12, 1:40 MWF Calvin
See description under 450b, first term.

JOURNALISM

(FIRST TERM)

107. **NEWSPAPER REPORTING** 3 10:20 W. S. Baxter
Instruction in methods of gathering material and writing news reports, interviews, reports of speeches, follow-up and re-writes, human interest stories, and specialized news. Practice work covering assignments and preparing copy. Prereq., Eng. 4, and Sec. St. 15 or the ability to operate a typewriter efficiently.
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. Prereq., 107 and permission.
221. **EDITING PRACTICE** 1 to 6 Arr. Gilbert
Students are assigned to copyreading on *The Athens Messenger*, handling local, correspondence, and wire copy, and working out make-up problems. Prereq., 217 or permission.
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. Prereq., 247.
327. **PUBLIC RELATIONS TECHNIQUES** 3 10:20 Hortin
Study and practice of fundamental public relations functions. Emphasis is placed on polling, publicity writing, and preparation of literature of business organizations—house organs, reports, pamphlets, advertisements, leaflets, manuals, and letters. Prereq., 107, 146, and junior rank, or permission.
381. **RESEARCH IN JOURNALISM** 1 to 3 Arr. The Staff
Special studies in one or more phases of journalism. Prereq., 18 hrs. in journalism and advertising, and permission.
406. **INTERNATIONAL COMMUNICATIONS** 2 8:40 W. S. Baxter
Advanced study of communications problems and practices of the major countries of the world and the flow of news among them. A comparative analysis of the operating procedures in relation to: newspapers, news agencies, magazines, books, radio, television, public relations, advertising, and management. The relation of communications media to international policies and programs. Prereq., permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

111. **REPORTING PRACTICE** 1 to 6 Arr. Reamer
See description under 111, first term.
221. **EDITING PRACTICE** 1 to 6 Arr. Gilbert
See description under 221, first term.

277. **NEWSPAPER ADVERTISING PRACTICE** 1 to 6 Arr. Nichols
See description under 277, first term.
322. **FEATURE AND MAGAZINE WRITING** 3 8:40 Hortin
A study of newspaper, magazine, and pictorial features, followed by practice in writing and marketing of various types. The course includes finding subjects, securing photographs, writing articles, and surveying markets. Prereq., 107, or 12 hrs. English, or permission.
329. **BUSINESS AND MAGAZINE JOURNALISM** 2 10:20 Baird
Study of industrial, business, and institutional publications. Analysis of contents, purposes, and readership of such publications. Practice in copy preparation and make-up. Staff, costs, printing, and circulation are considered. Prereq., 111 and 146.
381. **RESEARCH IN JOURNALISM** 1 to 3 Arr. The Staff
Prereq., 18 hrs. in journalism and advertising, and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

LIBRARY SCIENCE

(FIRST TERM)

192. **CLASSIFICATION AND CATALOGING OF BOOKS** 3 7:00 Devlin
Training in classifying and cataloging books, with practice in the preparation of a card catalog for a high school library. Required for a minor in library science.

MANAGEMENT

(FIRST TERM ONLY)

211. **INDUSTRIAL MANAGEMENT** 3 8:40 Spivey
An examination of the basic fundamentals of management underlying the solution of problems of organization and operation in all business enterprise, followed by their application to such specific fields of industrial management as materials, personnel, production, budgets, labor relations, etc. Prereq., Ec. 12 or 102, junior rank, or permission.
312. **ADMINISTRATION OF PERSONNEL** 3 10:20 Spivey
A comprehensive survey in the principles of management of people in business organizations and institutions. Among the subjects treated are employee selection, training, and rating; labor turnover; job analysis; wage and salary administration. Prereq., 211, or permission.
381. **RESEARCH IN MANAGEMENT** 1 to 3 Arr. The Staff
Special studies in industrial organization and scientific management. Prereq., 16 hrs. economics and/or commerce including Mgt. 301 or 312, and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

MARKETING

(FIRST TERM ONLY)

155. **MARKETING PRINCIPLES** 3 1:40 R. Raymond
The principles, methods, and policies of marketing consumers' goods and industrial goods. Prereq., Ec. 12 or 102.
301. **RETAIL SELLING POLICIES** 3 10:20 R. Raymond
The organization and operation of retail institutions. Prereq., 155.
381. **RESEARCH IN MARKETING** 1 to 3 Arr. The Staff
Research methods, market data, and methods of conducting market surveys. Prereq., 18 hrs. commerce, including 5 hrs. marketing and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.



MATHEMATICS

(FIRST TERM AND TEN-WEEK COURSES)

- | | | | |
|--|--------|--|---------------------|
| 1. ELEMENTARY ALGEBRA
A beginning course for students with no high school algebra. No credit toward degree. | 3 | 1:40 | Diekhans |
| 2. PLANE GEOMETRY
A course for students with no high school geometry. Prereq., 1, or 1 yr. high school algebra. No credit toward degree. | 3 | 1:40 | Hood |
| 3. INTERMEDIATE ALGEBRA
Review of high school algebra and some simple topics from college algebra. Prereq., 2, or 1 yr. each in algebra and geometry in high school. | 3 | 1:40 | Spring |
| 5. FRESHMAN MATHEMATICS (ten-week course)
College Algebra and plane trigonometry. Prereq., 2, or 1 yr. each in algebra and plane geometry in high school. | 5 | 12:00 (1st term)
12:00 MWF (2nd term) | Jasper
Golos |
| 6. ANALYTIC GEOMETRY AND CALCULUS I (ten-week course)
Topics in analytic geometry, functions and limits, differentiation and integration of algebraic forms, application of derivatives, integration as a summation process. Prereq., 5. | 5 | 12:00 MTThF (1st term)
(2nd term) | Diekhans
Lackner |
| 101. ANALYTIC GEOMETRY AND CALCULUS II (ten-week course)
Conics, differentiation and integration of transcendental functions, polar coordinates, parametric equations, curvature, integration, indeterminate forms. Prereq., 6. | 4 | 8:40 MWF (1st term)
(2nd term) | The Staff
Butner |
| 102. ANALYTIC GEOMETRY AND CALCULUS III (ten-week course)
Solid analytic geometry, series, expansion of functions, partial derivatives, multiple integrals, elementary differential equations. Prereq., 101. | 4 | 8:40 MWF (1st term)
8:40 TTh (2nd term) | Spring
Golos |
| 304. ADVANCED CALCULUS
Critical treatment of certain topics in calculus. Limits, continuity, differentiation of functions of one and several variables, series, and definite and multiple integrals, line integrals. Prereq., 102. | 3 | 8:40 | Hood |
| 315. ADVANCED APPLIED MATHEMATICS I
An introductory treatment of elementary and series solutions of differential equations, partial differential equations and boundary value problems, Fourier Series. Prereq., 102. | 3 | 10:20 | The Staff |
| 340. STUDIES IN MATHEMATICS
Selected topics in mathematics are studied under the guidance of an instructor particularly interested in the field. Prereq., 18 hrs. and permission. | 1 to 6 | Arr. | The Staff |
| 495. THESIS
Prereq., permission. | 1 to 6 | Arr. | The Staff |

(SECOND TERM)

- | | | | |
|---|---|--------------|------------------|
| 2. PLANE GEOMETRY (2 Sections)
A course for students with no high school geometry. Prereq., 1, or 1 yr. high school algebra. No credit toward degree. | 3 | 8:40
1:40 | Lackner
Golos |
| 34. MATHEMATICS OF FINANCE
A study of interest, annuities, sinking funds, valuation of bonds, capitalized cost, life insurance, and life annuities. Prereq., 2, or 1 yr. each in algebra and plane geometry in high school. | 3 | 1:40 MWF | Marquis |

207. **APPLIED STATISTICS** 3 10:20 Butner
A course for beginners in statistics, covering the same topics as 107, and including a brief introduction to quality control. Not open to students with 107. Prereq., 101.
316. **ADVANCED APPLIED MATHEMATICS II** 3 10:20 Marquis
An introductory treatment of matrices, vector analysis, complex variables, and Laplace Transforms. Prereq., 315.
340. **STUDIES IN MATHEMATICS** 1 to 6 Arr. The Staff
Prereq., permission. For description see 340, first term.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

MUSIC

(FIRST TERM)

72. **MUSIC FUNDAMENTALS** 2 8:40-9:40 Sears
A course for elementary teachers only involving theory, ear training, tone production, and sight singing of unison and part songs.
201. **ANALYSIS AND FORM** 2 Arr. Ahrendt
Harmonic and structural analysis of music composition. Prereq., 106.
273. **CONDUCTING** 2 1:40-2:40 Ingerham
Fundamentals of conducting, accompanied by individual practice in conducting. For music majors only; open to others by permission. Prereq., 104, 106, permission.
313. **ORCHESTRATION** 2 Arr. Ahrendt
Scoring for small, medium, and full orchestra. Prereq., 104, 106.
338. **THE LITERATURE OF ORCHESTRAL MUSIC** 2 7:00-8:00 Ingerham
Orchestral literature from the classic through the contemporary. Prereq., F.A. 124.
- 376a. **MUSIC CLINIC—WORKSHOP** 2 Arr. The Staff
(June 14-27) Prereq., Sr. or Grad. majors.
384. **RESEARCH IN MUSIC** 1 or 2 Arr. Sears
Prereq., 30 hrs. or the equivalent, permission.
402. **MUSIC LITERATURE** 3 1:40 Bergsagel
Prereq., 401.
403. **SEMINAR IN MUSIC** 1 8:00 p.m. MTh Bergsagel
Reports on research by students or faculty, for discussion. Required of all graduate students enrolled in School of Music. Maximum credit, 2 hrs. Prereq., permission.
472. **PROBLEMS IN THE SUPERVISION OF INSTRUMENTAL MUSIC** 3 10:20 Minelli
Prereq., 261, 263, 2 hrs. observation, and 4 hrs. student teaching.
473. **EXPERIMENTAL STUDIES IN MUSIC** 3 12:00 Sears
Important psychological investigations bearing upon musical composition, performance and appreciation. Prereq., permission.
495. **THESIS** 1 to 4 Arr. The Staff
Prereq., permission.

APPLIED MUSIC

Private instructional fee for applied music (voice, piano, strings, woodwinds, brass, percussion), \$20 a semester hour. Prerequisite in each area is permission.

PIANO	$\frac{1}{2}$ or 1	Arr.	The Staff
STRINGED INSTRUMENTS: Violin, Viola, Violoncello, Bass	$\frac{1}{2}$ or 1	Arr.	Ingerham
WOODWIND INSTRUMENTS: Flute, Oboe, Clarinet, Bassoon	$\frac{1}{2}$ or 1	Arr.	Minelli
BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba	$\frac{1}{2}$ or 1	Arr.	Minelli
PERCUSSION INSTRUMENTS	$\frac{1}{2}$ or 1	Arr.	Minelli
UNIVERSITY BANDS	$\frac{1}{2}$	7:00 p.m. TTh	Minelli
Open to men and women students.			

375. **ADVANCED CONDUCTING** 2 Arr. Ingerham
An opportunity for study and practical experience in either choral or instrumental conducting. Maximum credit in course, 6 hrs. Prereq., 273, permission.
433. **PIANO** 1 Arr. The Staff
437. **STRINGED INSTRUMENTS** 1 Arr. Ingerham

(SECOND TERM)

233. **INSTRUMENTATION** 3 10:20 Brophy
The various orchestral instruments from the standpoint of their range and orchestral uses. Arranging for small ensembles. Prereq., 106.
262. **MUSIC FOR THE CLASSROOM TEACHER** 2 10:20-11:20 Blayney
Open to classroom teachers only. Prereq., 72.
266. **TEACHING OF MUSIC IN ELEMENTARY GRADES** 3 8:40 Blayney
Music materials and methods. For elementary teachers only. Prereq., 106.
308. **ARRANGING AND SCORING FOR BANDS** 2 8:40-9:40 Brophy
Scoring and arranging for the modern marching and symphonic band. Prereq., 307.
- 376c. **ELEMENTARY MUSIC WORKSHOP** 1 Arr. Blayney
(August 4-8)
384. **RESEARCH IN MUSIC** 1 or 2 Arr. Stephenson
Prereq., 30 hrs. or the equivalent, permission.
470. **CONTEMPORARY TRENDS IN MUSIC EDUCATION** 2 10:20-11:20 Stephenson
Prereq., permission.
471. **PROBLEMS IN THE SUPERVISION OF VOCAL MUSIC** 2 12:00-1:00 Stephenson
Prereq., 265, 267, 268, 2 hrs. observation, and 4 hrs. student teaching.
495. **THESIS** 1 to 4 Arr. The Staff
Prereq., permission.

APPLIED MUSIC

Private instructional fee for applied music (voice, piano, strings, woodwind, brass, percussion), \$20 a semester hour. Prerequisite in each area is permission.

VOICE	$\frac{1}{2}$ to 1	Arr.	
WOODWIND INSTRUMENTS: Flute, Oboe, Clainet, Bassoon	$\frac{1}{2}$ to 1	Arr.	Brophy
BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba	$\frac{1}{2}$ to 1	Arr.	Brophy
PERCUSSION INSTRUMENTS	$\frac{1}{2}$ to 1	Arr.	Brophy
UNIVERSITY BANDS	$\frac{1}{2}$	7:00 p.m. TTh	Brophy
431. VOICE	1	Arr.	
441. BRASS INSTRUMENTS	1	Arr.	Brophy

PHILOSOPHY

(FIRST TERM)

2. **MORAL PHILOSOPHIES** 3 8:40 Wieman
A study of important moral philosophies in the history of western thought. A discussion of such themes as the good life and the nature of moral obligations. Not open to juniors and seniors.
201. **ETHICS** 3 10:20 Wieman
A comparative study of theories of the right and the good which enter into contemporary thought, with attention to the problem of evidence and the relation between value standards and experience.

(SECOND TERM)

1. **PRINCIPLES OF REASONING** 3 8:40 Sheridan
A general course in reasoning which considers the methods by which dependable knowledge is achieved in the natural sciences and social studies, with attention to the common psychological, semantic, and logical errors in human reasoning. Not open to juniors and seniors.
110. **INTRODUCTION TO PHILOSOPHY** 3 12:00 Sheridan
An analysis of the typical philosophical problems arising in the study of nature, society, religion, and art for the purpose of developing a thoughtful and consistent intellectual perspective.

PHYSICAL EDUCATION AND ATHLETICS

(FIRST TERM)

SERVICE COURSES FOR MEN AND WOMEN

3. **BEGINNING SWIMMING** 1 8:40 The Staff
For students who are unable to take care of themselves in deep water; orientation to water, skills, safety, elementary strokes and forms of diving.
4. **INTERMEDIATE SWIMMING** 1 10:20 The Staff
For students who have passed a beginner's swimming test or can swim; instruction and practice in the basic strokes, plain and surface diving. Prereq., 3 or equivalent.
5. **ADVANCED SWIMMING** 1 10:20 The Staff
For those who have passed the Red Cross Swimmer's Test or its equivalent. The analysis and skills of diving, the recognized strokes and their variations, and fundamentals of competitive swimming. Prereq., 4 or permission.
17. **BEGINNING TENNIS** 1 10:20 The Staff
For students who wish to learn or improve skills, fundamentals of play, court strategy and rules.
18. **INTERMEDIATE TENNIS** 1 10:20 The Staff
A continuation of 17 with emphasis on fundamentals of play and court strategy. Prereq., 17 or playing experience.
41. **BEGINNING GOLF (2 sections)** 1 12:00, 1:40 The Staff
Instruction and practice in grips, strokes, stance and other techniques necessary to start playing golf.
42. **INTERMEDIATE GOLF** 1 1:40 The Staff
Instruction and practice in playing golf. Prereq., 41 or playing experience.
45. **BEGINNING BOWLING** 1 1:40 The Staff
Instruction and practice in skills, etiquette, rules and scoring. \$10.50 pin fee.
47. **RIDING** 1 3:20 The Staff
Instruction and practice at the McAfee Farm. \$20.00 fee.
- RECREATIONAL DIP HOUR** 0 1:40 The Staff
A swimming period reserved for mixed groups of summer session students. Instruction if desired. No fees and no credit.

MAJOR—MINOR

TEACHER EDUCATION COURSES FOR MEN AND WOMEN

102.	PERSONAL AND COMMUNITY HEALTH	3	10:20	The Staff
	Provides a knowledge of the hygienic practices and an appreciation of the means whereby the health of the individual and of the group may be maintained.			
128.	PHYSICAL THERAPY CLINIC	1	1:40-5:00	Schleicher
	Theory and practice of physical therapy and the treatment of athletic injuries. Prereq., Zool. 133-134. (July 13-July 17.)			
267a.	BASKETBALL CLINIC	1	1:40-5:00	Snyder, Staff
	(June 22 thru 26)			
267b.	BASEBALL CLINIC	1	1:40-5:00	Wren, Staff
	(June 29 thru July 3)			
268a.	FOOTBALL CLINIC	1	1:40-5:00	Hess, Staff
	(June 15 thru 19)			
268b.	TRACK CLINIC	1	1:40-5:00	S. Huntsman, Staff
	(July 6 thru 10)			
270.	TEACHING OF PHYSICAL EDUCATION	1	8:40 TTh	O'Neal
	Objectives, organization and program suggestions for physical education in the elementary and secondary schools.			
349.	COMMUNITY RECREATION	3	10:20	Nessley
	For those interested in guiding leisure time programs. Topics include: brief history of the play movement, programs and program building, general administration of playgrounds, community centers, and recreational activities. Prereq., 10 hrs. and senior or graduate rank.			
353.	CLINICAL OBSERVATION AND PRACTICE IN PHYSICAL MEDICINE AND REHABILITATION	4	8-5	V.A. Hospital Staff
	A concentrated summer school field course at Veterans Administration Hospital, Chillicothe, Ohio. Instruction by hospital corrective therapy staff. Open to senior majors or graduate students in physical education. Prereq., Zool. 133, 134, or equivalent.			
396.	PROBLEMS OF INTERSCHOOL ATHLETICS	3	8:40	Widdoes, Staff
	The organization and administration of interschool athletics from the point of view of coaches and administrators; the problems pertaining to interschool competition at all age levels. Prereq., 10 hrs. and senior or graduate rank.			
491.	SEMINAR IN PHYSICAL EDUCATION AND ATHLETICS	3	10:20	W. Miller
	For graduate students who wish to do research and investigation in health education, physical education, recreation or athletics. Topics and problems suitable for thesis writing, trends of the program, methods of research, writing practice and critical analysis of outlines for research study. Prereq., 24 hrs.			
492.	SCIENTIFIC FOUNDATIONS OF HEALTH EDUCATION AND PHYSICAL EDUCATION	3	12:00	W. Miller
	A summation of the scientific principles underlying the programing, instruction and administration of health education and physical education. Basic principles from biology, psychology and sociology are considered. Prereq., permission.			
495.	THESIS	1 to 6	Arr.	The Staff
	Prereq., permission.			

(SECOND TERM)

SERVICE COURSES FOR MEN AND WOMEN

See first term section for descriptions of the following service courses.

3.	BEGINNING SWIMMING	1	8:40	The Staff
4.	INTERMEDIATE SWIMMING	1	10:20	The Staff

5.	ADVANCED SWIMMING	1	10:20	The Staff
17.	BEGINNING TENNIS	1	10:20	The Staff
18.	INTERMEDIATE TENNIS	1	10:20	The Staff
41.	BEGINNING GOLF (3 sections)	1	10:20, 12:00, 1:40	The Staff
42.	INTERMEDIATE GOLF	1	1:40	The Staff
45.	BEGINNING BOWLING	1	1:40	The Staff
	RECREATIONAL DIP HOUR	0	1:40	The Staff

MAJOR—MINOR

TEACHER EDUCATION COURSES FOR MEN AND WOMEN

65.	PROGRAM SKILLS	2	1:40	The Staff
	Theory and practice of touch football, soccer, speedball, tumbling, stunts and apparatus, swimming proficiency tests and officiating practice.			
102.	PERSONAL AND COMMUNITY HEALTH	3	8:40	
	See description under 102, first term.			
269.	TEACHING OF HEALTH	3	10:20	Trepp
	Instruction, principles and curricula used in presenting health information to pupils in the elementary and secondary schools. Prereq., 102.			
270.	TEACHING OF PHYSICAL EDUCATION	1	10:20 TTh	O'Neal
	See description under 270, first term.			
395.	SCHOOL HEALTH PROBLEMS	3	12:00	Trepp
	A study of the principles, problems, organization and administration of school health programs, including school and community relationships. Prereq., 10 hrs., senior or graduate rank.			
495.	THESIS	1 to 6	Arr.	The Staff
	Prereq., permission.			

PHYSICS

(FIRST TERM)

6.	INTRODUCTION TO PHYSICS	4	8:40, Lab. 1:40-3:40 MWF	W. Pierce
	A beginning course in physics designed for nontechnical and pre-medical students. Topics include electricity, atomic structure, sound and light.			
114.	GENERAL PHYSICS	4	10:20, Lab. 1:40-3:40 MWF	Shipman
	Fundamental principles of physics. Topics include electricity, magnetism, and light. Designed for students in engineering, mathematics, physics, and chemistry. Prereq., 113, Math. 6.			
308.	X-RAYS	2	10:20	W. Pierce
	The history and development of the principles of X-rays in medicine, chemistry, and physics; production of continuous and characteristic X-ray spectra; detection, absorption, classical and quantum scattering, refraction and applications to crystallography. Prereq., 114, Math. 102.			
361.	SPECIAL PROBLEMS IN PHYSICS	1 to 3	Arr.	The Staff
	Supervised minor research problems in experimental or theoretical physics. Prereq., 15 hrs. and permission.			
481.	RESEARCH IN PHYSICS	1 to 3	Arr.	The Staff
	Maximum credit in course, 6 hrs. Prereq., 15 hrs., permission.			
495.	THESIS	1 to 6	Arr.	The Staff
	Prereq., permission.			

(SECOND TERM)

329. **ELECTRONICS AND ELECTRICAL MEASUREMENTS LABORATORY**
1 to 3 Arr. Shipman
Charge on the electron, specific charge of electron, thermionic emission, resonance potentials, discharge through gases, photo-electricity. Study of ballistic galvanometer, dielectric constants, magnetic hysteresis, transients. Prereq., 114, Math, 102.
361. **SPECIAL PROBLEMS IN PHYSICS** 1 to 3 Arr. The Staff
See description under 361, first term.
481. **RESEARCH IN PHYSICS** 1 to 3 Arr. The Staff
Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

PSYCHOLOGY

(FIRST TERM)

1. **GENERAL PSYCHOLOGY** 3 10:20 Nygaard
An elementary study of the most significant facts and principles of mental life. Lectures, class demonstrations, discussions. Not open to juniors and seniors.
5. **EDUCATIONAL PSYCHOLOGY** 3 10:20 Lehman
This course aims to give students preparing to teach, the fundamental psychological facts and principles concerning maturation, motivation, emotion, and the learning processes in behavior development. Prereq., 1 or 101. Not open to juniors and seniors.
103. **CHILD PSYCHOLOGY** 3 8:40 Lehman
A study of behavior in infancy and childhood, including a survey of the social, cultural, and biological factors associated with various kinds of child behavior. Prereq., 1 or 101.
110. **PSYCHOLOGY OF ADJUSTMENT** 3 1:40 Scott
An introductory study of motivational and inter-personal relations, with special emphasis upon frustration, conflict, and adjustment mechanisms. Prereq., 1 or 101.
312. **ABNORMAL PSYCHOLOGY** 3 10:20 Scott
Considers man's mental deviations from the normal; the theory, application, and limitations of psychoanalysis; methods of studying abnormal mental processes, especially psychosis. Clinics at hospitals. Prereq., 9 hrs., or 6 hrs and 6 hrs. zoology.
325. **MINOR PROBLEMS IN PSYCHOLOGY** 1 to 3 Arr. The 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. Prereq., 9 hrs. and permission.
353. **LEARNING AND MEMORY** 3 8:40 Nygaard
A study of methods and basic data in the areas of conditioning, discrimination learning, problem solving, habit formation, and memory. Prereq., 9 hrs.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

1. **GENERAL PSYCHOLOGY** 3 10:20 Games
See description under 1, first term.
5. **EDUCATIONAL PSYCHOLOGY** 3 8:40 Games
See description under 5, first term.
103. **CHILD PSYCHOLOGY** 3 8:40 G. Johns
See description under 103, first term.
315. **SOCIAL PSYCHOLOGY** 3 10:20 G. Johns
A study of the behavior of man as influenced by group membership, with emphasis on the individual's interaction as a basis of change of motives, attitudes and personality. Prereq., 9 hrs. and Soc. 1, or 6 hrs. and 3 hrs. sociology.

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|------|--|--------|------|-----------|
| 325. | MINOR PROBLEMS IN PSYCHOLOGY
See description under 325, first term. | 1 to 3 | Arr. | The Staff |
| 495. | THESIS
Prereq., permission. | 1 to 6 | Arr. | The Staff |

RADIO-TELEVISION

(FIRST TERM)

- | | | | | |
|------|--|--------|-----------------|--------------------|
| 47a. | WORKSHOP—RADIO ENGINEERING
Technical work connected with radio broadcasting. Practice in control room technique, remote pick-up, tape recording, transmission lines and station maintenance. Maximum credit in course, 4 hrs. Prereq., permission. | 1 or 2 | 8:40 TTh | Tompkins |
| 47b. | WORKSHOP—TELEVISION ENGINEERING
Technical aspects of the operation, maintenance and repair of television equipment. Prereq., permission. | 1 or 2 | 10:20 MWF | Tompkins |
| 247. | ADVANCED RADIO WORKSHOP
Rehearsal, performance, and technical work connected with radio broadcasting. Maximum credit in course, 4 hrs. Prereq., 225. | 2 | 8:40 MWF, Arr. | Jukes |
| 360. | INSTRUCTIONAL METHODS IN EDUCATIONAL TELEVISION
Practical applications of television in the public school classroom. Utilization of television programs as an adjunct to instruction. Preparation of instructional units for telecasting. Practical experience in script writing and editing, research and resource materials, film process and editing and camera operation in the University television studio. | 2 or 3 | 10:20 MWF, Arr. | Jukes, R. Milliken |
| 494. | RESEARCH
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission. | 1 to 6 | Arr. | The Staff |
| 495. | THESIS
Prereq., permission. | 1 to 6 | Arr. | The Staff |

(SECOND TERM)

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|------|--|--------|-----------------|------------|
| 47a. | WORKSHOP—RADIO ENGINEERING
See description under 47a, first term. | 1 or 2 | 8:40 TTh | Tompkins |
| 47b. | WORKSHOP—TELEVISION ENGINEERING
See description under 47b, first term. | 1 or 2 | 10:20 TTh | Tompkins |
| 247. | ADVANCED RADIO WORKSHOP
See description under 247, first term. | 2 | 8:40 MWF | C. Johnson |
| 483. | SEMINAR IN RADIO AND TELEVISION
Individual projects and advanced research in production problems, music, directing, writing, announcing and the evaluation of radio and television programs. Special emphasis on the problems and the potentialities of educational television. Prereq., 12 hrs., permission. | 3 | 12:00 MWF, Arr. | C. Johnson |
| 494. | RESEARCH
See description under 494, first term. | 1 to 6 | Arr. | The Staff |
| 495. | THESIS
Prereq., permission. | 1 to 6 | Arr. | The Staff |

ROMANCE LANGUAGES

(FIRST TERM)

SPANISH

- | | | | | |
|----|--|---|-----------------------|--------------|
| 1. | BEGINNING SPANISH
Pronunciation, oral practice, essentials of grammar, and reading. | 4 | 8:40 MTWThF, 1:40 TTh | Renkenberger |
|----|--|---|-----------------------|--------------|

303. READINGS FROM SPANISH LITERATURE 1 to 3 Arr. Renkenberger
Selections vary with the needs of the class and the student. Prereq., 102.

381. RESEARCH IN SPANISH LANGUAGE AND LITERATURE 1 to 3 Arr. Renkenberger
Prereq., 12 hrs. beyond 102 and permission. Maximum credit in course, 6 hrs.

(SECOND TERM)

2. BEGINNING SPANISH 4 8:40 MTWThF, 1:40 TTh Cameron
A continuation of 1.

304. READINGS FROM SPANISH LITERATURE 1 to 3 Arr. Cameron
A continuation of 303. Prereq., 102 and 303.

381. RESEARCH IN SPANISH LANGUAGE AND LITERATURE 1 to 3 Arr. Cameron
See description under 381, first term.

SECRETARIAL STUDIES

(FIRST TERM)

220. BUSINESS COMMUNICATIONS 3 8:40 Sponseller
Application of English in the writing of effective business letters and reports for typical business situations. Prereq., Eng. 4, junior or senior rank.

275. SECRETARIAL PRACTICE 3 Arr. Sponseller
Students spend time working in secretarial offices and in conference. Prereq., 151, 172, 173, 181. Does not give credit toward B.S.C. degree.

387. RESEARCH IN BUSINESS TEACHING PROBLEMS 1 to 3 Arr. Sponseller
Prereq., 20 hrs. commerce, senior rank, and permission. Does not give credit toward B.S.C. degree.

(SECOND TERM)

15. BEGINNING TYPEWRITING 2 7:00 The Staff
(2 hrs. lec. & lab.)
Development of basic skill on the typewriter and application of this skill to the more common typing practices. Achievement standard—30 words per minute. Prereq., not open to those who have had high school typewriting. Does not give credit toward B.S.C. degree.

180. OFFICE MACHINES 2 10:20 The Staff
(2 hrs. lec. & lab.)
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.

SOCIOLOGY

(FIRST TERM)

101. PRINCIPLES OF SOCIOLOGY 3 10:20 Harlan
A basic course for students unable to take 1 and 2, covering the same fields at a more rapid pace, with greater emphasis upon individual reading. No credit for students who have taken 1 or 2. Not open to freshmen.

210. SOCIAL BEHAVIOR 3 8:40 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. Prereq., 6 hrs. sociology or psychology, or H. Ec. 5 and 6.

381. RESEARCH PROBLEMS IN SOCIOLOGY 1 to 3 Arr. The Staff
Individual research; may be coordinated with other student or staff research. Prereq., 12 hrs. and permission.

495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

(SECOND TERM)

101. **PRINCIPLES OF SOCIOLOGY** 3 10:20 Harlan
See description under 101, first term.

229. **CROWD, MASS, AND PUBLIC** 3 8:40 Harlan
Individual and group behavior under conditions of social unrest and suggestability; characteristics of these groups, their stages of development and types of action. Prereq., 6 hrs. in social sciences.

381. **RESEARCH PROBLEMS IN SOCIOLOGY** 1 to 3 Arr. The Staff
See description under 381, first term.

495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

SPEECH AND SPEECH AND HEARING THERAPY

SPEECH

(FIRST TERM)

1. **FUNDAMENTALS OF SPEECH (2 sections)** 1 10:20 TTh Wiseman
1:40 TTh Brandes
Study and practice of basic techniques for effective participation in everyday speaking situations.

3. **PUBLIC SPEAKING** 2 7:30-8:30 Wiseman
Principles of public speaking. Practice in presenting short informative, entertaining, and persuasive speeches with emphasis upon intellectual and emotional adjustments to speaking situations. Prereq., 1 or proficiency test.

401. **INTRODUCTION TO GRADUATE WORK** 3 7 Kantner
Men, movements, and professional literature in the field of speech. Conduct of research and selection of a thesis problem.

412. **ADVANCED SPEECH COMPOSITION AND DELIVERY** 3 12 Brandes
Advanced study of content, organization, composition and delivery of lecture-length speeches. Prereq., 112, 309, or equivalent.

445. **APPROACHES TO THE STUDY OF ORAL COMMUNICATION** 3 8:40 Wiseman
Scientific approaches to the study of communication behavior in individuals and groups. Comparison and integration of communication methodologies. A systematic study will be made of ten approaches to communication. Prereq., 12 hrs. in speech, 9 hrs. in Psychology, or permission.

494. **RESEARCH** 1 to 6 Arr. The Staff
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission.

495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

SPEECH AND HEARING THERAPY

(FIRST TERM)

194. **SPEECH CORRECTION FOR THE CLASSROOM TEACHER** 3 8:40 Brandes
Nature, causes, and treatment of defective speech in the public schools with special reference to the role of the regular classroom teacher. Open to majors in elementary education; others by permission.

- 247a. **CLINICAL PRACTICE—OBSERVATION** 1 Arr. Ham
Observation in the summer speech and hearing clinic. Prereq., permission.
- 247b. **CLINICAL PRACTICE—THERAPY** 1 or 2 Arr. Ham
Supervised clinical practice with children in the summer speech and hearing clinic. Prereq., 307, 310, 320, permission.
310. **SPEECH PATHOLOGY** 3 10:20 A. LaFollette
Anatomy of the vocal mechanism and study of organic speech disorders, such as stuttering, aphasia, cleft palate speech, spastic speech, and speech of the hard of hearing. Prereq., 195.
323. **LIP READING** 3 1:40 A. LaFollette
The basic principles of understanding language by observing the speaker's lips and facial expression. Emphasis on both theory and practice of speech reading. Special attention given to teaching methods. Prereq., 6 hrs.
465. **LANGUAGE PROBLEMS OF THE BRAIN INJURED** 3 7:00 Ham
Consideration of the neurological basis, pathological causes and speech and psychological implications of cerebral palsy, aphasia, and other types of brain injury, together with methods of therapy. Prereq., 310, 320, 392.
494. **RESEARCH** 2 to 6 Arr. The Staff
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., permission, 8 hrs.
495. **THESIS OR DISSERTATION** 1 to 6 Arr., The Staff
Prereq., permission.

SPEECH AND SPEECH AND HEARING THERAPY

SPEECH

(SECOND TERM)

1. **FUNDAMENTALS OF SPEECH** (2 sections) 1 8:40 TTh C. Johnson
1:40 TTh Watkins
See description under 1, first term.
25. **PRINCIPLES OF ARGUMENTATION** 2 7:30-8:30 Watkins
Analysis of the debate proposition, preparation of the brief, study of evidence, and class debates.
333. **ORAL INTERPRETATION OF DRAMATIC LITERATURE** 3 8:40 Trisolini
A study of the principles of drama from the standpoint of the oral interpreter. Special emphasis on the modern period from Ibsen and Chekov to the present. Prereq., Speech 34, 303, or Dram. Art 339.
349. **RHETORICAL CRITICISM** 3 10:20 Watkins
Theories and critical methods of Plutarch, Cicero, Goodrich, Brougham and selected modern writers. Application through original critiques of selected speeches. Prereq., 12 hrs., including 309, or equivalent.
494. **RESEARCH** 1 to 6 Arr. The Staff
See description under 494, first term.
495. **THESIS** 1 to 6 Arr. The Staff
Prereq., permission.

SPEECH AND HEARING THERAPY

(SECOND TERM)

- 247a. **CLINICAL PRACTICE—OBSERVATION** 1 Arr. The Staff
Observation in the summer speech and hearing clinic. Prereq., permission.

- 247b. **CLINICAL PRACTICE—THERAPY** 1 or 2 Arr. The Staff
Supervised clinical practice with children in the summer speech and hearing clinic.
Prereq., 307, 310, 320, permission.
345. **STUTTERING AND PSYCHOGENETIC DISORDERS OF SPEECH** 3 7:00 Penson
A detailed study of literature in the field with emphasis on the nature, causes, development, and treatment of stuttering and other speech defects with psychogenic implications. Extensive case studies. Prereq., senior majors, 310.
455. **LANGUAGE FOR THE DEAF AND HARD OF HEARING** 3 1:40 Penson
Stage by stage instruction for the teaching of speech to deaf and hard of hearing children of all ages. Consideration of basic problems, specific techniques and special equipment. Students with severe hearing losses may audit this course by special permission without the prerequisites. Prereq., 307, 319, 323 or equivalent.
494. **RESEARCH** 1 to 6 Arr. The Staff
See description under 494, first term.
495. **THESIS OR DISSERTATION** 1 to 6 Arr. The Staff
Prereq., permission.

STATISTICS

(FIRST TERM ONLY)

155. **BUSINESS STATISTICS** 4 (Lec.) 7:00 MTWThF; 8:40 M Koury
(Schedule one Lab.) Lab. 8:40 TTh
Lab. 8:40 WF
Elementary statistical methods used in business. Prereq., Ec. 12 or 102 and Math. 3 and 34 or Math. 5 and 6.
381. **RESEARCH IN BUSINESS STATISTICS** 1 to 3 Arr. The Staff
Prereq., 18 hrs. commerce including 155 and permission.

ZOOLOGY

3. **PRINCIPLES OF ZOOLOGY** 3 7:00, 8:40 MTWTh Vallowe
Elementary physiology and anatomy of a living organism to illustrate principles of life: metabolism, growth, reproduction, and heredity. No credit if student has had Biol. 1, 2.
103. **READINGS IN BIOLOGY** 1 Arr. Vallowe
A course for students interested in advances in biological fact and thought, especially as applied to the field of human affairs. Prereq., 4, or Biol. 2, or high school biology.
343. **BIOLOGICAL STUDIES** 1 to 4 Arr. Vallowe
Semi-independent studies under the guidance of the instructor. Maximum credit in any one area, 8 hrs. Prereq., 10 hrs. and permission.
g. Physiological Zoology—physiological and related experimental studies.
h. Readings in Biology—readings dealing with biological history, theory, and advances.
k. Vertebrate Zoology—classifications, life history studies.

(SECOND TERM)

4. **PRINCIPLES OF ZOOLOGY** 3 7:00, 8:40 MTWTh Vallowe
A survey of the important animal phyla to illustrate major biological principles; the relationships of animals and their environment; the doctrine of evolution as the underlying principle. Prereq., 3. No credit if student has had Biol. 1, 2.
103. **READINGS IN BIOLOGY** 1 Arr. Vallowe
See description under 103, first term.
343. **BIOLOGICAL STUDIES** 1 to 4 Arr. Vallowe
See description under 343, first term.

Requests may be enclosed in one envelope and addressed to any one of the officials concerned at OHIO UNIVERSITY, ATHENS, OHIO. Add explanations that you feel will be helpful.

Date _____

DIRECTOR OF ADMISSIONS

I have never been a student for credit work on campus at Ohio University and I plan to enroll in the 1959 Summer Session. Please send me an application for admission for (check):

- Undergraduate Work
 - looking toward an Ohio University degree.
 - not looking toward an Ohio University degree.
- Graduate work.
- I desire acceptance for the Summer Session *only*.

Name _____

Address _____

City _____ State _____

Date _____

REGISTRAR

I have attended Ohio University previously for credit work on campus. I last attended _____. Please send me a permit to register for the 1959 Summer Session.

Since attending Ohio University, I (have) (have not) attended college elsewhere. The school attended was _____

(Note: A former student should, if possible, request a permit to register at least a month in advance of the registration date.)

Name _____

City _____ State _____

Date _____

DIRECTOR OF STUDENT HOUSING

Please provide information about university housing for the 1959 Summer Session:

- Room in dormitory.
- Room in private home.
- Facilities for married students. These are my particular needs.

Name _____

City _____ State _____

Address _____

GRADUATE STUDY

at

OHIO UNIVERSITY

Programs of graduate study are available in Arts and Sciences, Education, Fine Arts, Commerce, Physical Education, and some areas of Engineering, leading to degrees of Master of Arts, Master of Science, Master of Education, Master of Fine Arts, Master of Business Administration, and Doctor of Philosophy.

Details concerning course offerings, admission and degree requirements, scholarships, assistantships and fellowships may be obtained by filling out this form and returning it to The Graduate College, Ohio University, Athens, Ohio.

I wish to do graduate work in (field) : _____
Please send me (check material desired) : A graduate
bulletin _____, an application for admission _____, or
application for assistantship _____.

Name _____

Street _____

City _____ State _____

Graduate College, Ohio University, Athens, Ohio
OUSS-59

----- TEAR ON THIS LINE -----

CORRESPONDENCE STUDY

at

OHIO UNIVERSITY

Correspondence courses at the college level are available from the colleges of Applied Science, Arts and Sciences, Education, Fine Arts, and Commerce, and from the Division of Physical Education and Athletics. Details concerning offerings, admission, and registration may be obtained by returning this form to the Extension Division, Ohio University, Athens, Ohio. Please send me a Correspondence Study Bulletin.

Name _____

Street _____

City _____ State _____

The Extension Division, Ohio University, Athens, Ohio
OUSS-59