

OHIO

UNIVERSITY

BULLETIN

SUMMER SESSION 1958

TWO FIVE-WEEK TERMS

JUNE 16 - JULY 18

JULY 21 - AUGUST 22

ATHENS,  
OHIO



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Ph.D., *Director, Ellis Hall*
- THE GRADUATE COLLEGE ----- Donald Roop Clippinger, Ph.D., LL.D., *Dean,*  
Cutler Hall
- THE BRANCHES ----- Albert Carl Gubitz, A.M., *Dean, Cutler Hall*

## PICTURES IN THE BULLETIN

*(In order of appearance)*

*Cover—The Spire, 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 1958 Summer Session*



FIRST TERM: JUNE 16-JULY 18

SECOND TERM: JULY 21-AUGUST 22

OHIO UNIVERSITY

ATHENS, OHIO

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Number 3

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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 1958 SUMMER SESSION

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

GILFORD WHITE CROWELL, Ed.D. -----*Acting Director of the Summer Session*  
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 1958 Summer Session, representing for Ohio University the sixty-eighth 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 23 for all summer graduates will mark the close of the summer session. Those who qualify for

degrees at the close of the first term of the session may receive their degrees at that time, but are urged to participate in the commencement exercises. Special arrangements are being planned to accommodate those 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 1958 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 7 to July 24. 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 1958 SUMMER SESSION CALENDAR

## ACADEMIC

- June 16 Mon. First five-week term opens; advising, counseling, and registration.
- June 17 Tues. Classes begin.
- June 18 Wed. Last day for registering for the term.
- June 21 Sat. Last day for adding five-week course by change order.  
Last day to withdraw from a course.
- June 23 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 student in first term to file application for degree to be awarded on July 18 or August 23.
- July 4 Fri. Holiday.
- July 18 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 21 Mon. Second five-week term opens; advising, counseling, and registration.
- July 22 Tues. Classes begin.
- July 23 Wed. Last day for registering for the term.
- July 25 Fri. Final date for graduate comprehensive examinations.
- July 26 Sat. Last day for adding five-week course by change order.  
Last day to withdraw from a course.
- July 28 Mon. Last day for partial refund of fees to students who withdraw.  
Last day to file application for graduation on August 23.
- Aug. 15 Fri. Masters' theses due in library and abstracts due in Graduate College office.
- Aug. 20 Wed. Candidates' grades due in Registrar's office, 4:00 p.m.
- Aug. 22 Fri. Last day of classes. Final examinations during the last scheduled class meeting.
- Aug. 23 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	7			1	2	3	4	5							1	2
8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9		
15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16		
22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23		
29	30						27	28	29	30	31			24	25	26	27	28	29	30		
														31								



## WORKSHOPS AND CONFERENCES

### FOR COLLEGE STUDENTS AND FOR ADULTS

Conference on School Administration	June 12-June 13
Ohio Workshop on Economic Education	June 15-July 5
Workshop in Summer Theatre	June 16-Aug. 2
Ohio Conservation Laboratory (Leesville Lake)	June 16-July 19
Summer Speech and Hearing Clinic for Children	June 16-Aug. 22
Ohio School of Banking	June 22-June 27
Special Painting Classes	June 23-July 18
Institute for Teachers of Science and Mathematics	June 29-Aug. 9
Conference on World Affairs	June 30-July 1
Ohio Bookmen's Club Exhibit	June 30-July 1
Travel-Study Program Abroad	July 2-Aug. 27
Executive Development Program	July 6-Aug. 2
Audio-Visual Education Workshop	July 20-Aug. 2
Elementary Teachers Music Workshop	July 29-Aug. 2
Elementary Principals Workshop	Aug. 3-Aug. 16
Conference on School Plant Planning and Operation	Aug. 14-Aug. 15
Workshop for Teacher Certification in Driver Education	Aug. 18-Aug. 29
Driver Education Workshop for In-Service Teachers	Aug. 25-Aug. 29

### FOR HIGH SCHOOL STUDENTS

Workshop on High School Publications	June 15-June 21
Music Clinic-Workshop	June 15-June 28
Science Workshop	June 15-June 28
Workshop in Debate	June 15-June 28
Ohio Student Council Workshop	Aug. 3-Aug. 8

## WORKSHOPS, CONFERENCES, AND SPECIAL EVENTS

During the summer of 1958, 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.

### CONFERENCE ON SCHOOL ADMINISTRATION

June 12-13

The Conference for School Administrators will be held on Thursday and Friday, June 12 and 13. 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 12, and breakfast and lunch on June 13, will be available in Lindley Hall. The total cost for the Conference will be \$12, which will include meals, housing, and Conference fee.

Directing the Conference will be Dr. LaVern L. Krantz. Requests for additional information should be addressed to Dr. Krantz, Ohio University, Athens, Ohio.

### OHIO WORKSHOP ON ECONOMIC EDUCATION

June 15-July 5

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 \$30.

Requests for additional information should be addressed to Mr. Frank Bean, Center for Educational Service, College of Education, Ohio University, Athens, Ohio.

### WORKSHOP IN SUMMER THEATRE

June 16-August 2

The eighth 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 the Workshop for either six or eight hours of credit. Students earning eight 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.

The Workshop provides intensive practical experience in any or all phases of theatrical production, such as acting, directing, costuming and make-up, scene design and construction, scene painting and lighting, home 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.

The fee for each workshop is \$10. Registration fees and board and room are additional. 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.

### OHIO CONSERVATION LABORATORY

June 16-July 19

Ohio University cooperates with the other four state universities in conducting a summer conservation laboratory on Leesville Lake. This is of interest to all persons in education for the wiser use of natural resources.

Students may 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 \$40 is payable to Ohio University at the time of registration. The five-week charge of \$107 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.

### SUMMER SPEECH AND HEARING CLINIC FOR CHILDREN

June 16-August 22

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 this area, namely, Speech 194, Speech Correction for the Classroom Teacher; Speech 247, Clinical Practice in Speech Correction; Speech 312, Phonetics; Speech 320, Advanced Clinical Methods; Speech 405, Clinical Programs in Speech and Hearing Therapy; Speech 345, Stuttering and Psychogenetic Disorders of Speech; and Speech 465, Language Problems of the Brain Injured.

### OHIO SCHOOL OF BANKING

June 22-27

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 Management and Operations, Investments, Bank Loans, Money and Banking, and Banking Law. The subjects to be covered by second-year students include Bank Management and Operations, Commercial and Consumer Loans, and Public Relations. The fee of \$100 includes board, room and study materials.

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

### SPECIAL PAINTING CLASS

June 23-July 18

Special painting classes will be held during this period under the direction of Mr. Will Barnet. Mr. Barnet, an artist of international reputation, has been a member of the staff of the Art Students' League since 1936.

Students may enroll 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.

The basic class fee which is assessed each participant is \$20 for the first two weeks and \$10 for each additional week. Room and board may be obtained in University housing at a cost of \$30 a week.

Those registered only for the Special Painting Class who desire credit will pay the registration for credit fee of \$10 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 plus the basic class fee.

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

## INSTITUTE FOR TEACHERS OF SCIENCE AND MATHEMATICS

June 29-August 9

National Science Foundation and Ohio University are jointly sponsoring an Institute for Teachers of Science and Mathematics. Participation in the Institute will be limited to sixty high school teachers of physics, chemistry, and mathematics. Participants will be selected from applications received upon forms prepared by National Science Foundation. Applicants are required to have letters of recommendation sent to the Institute Director.

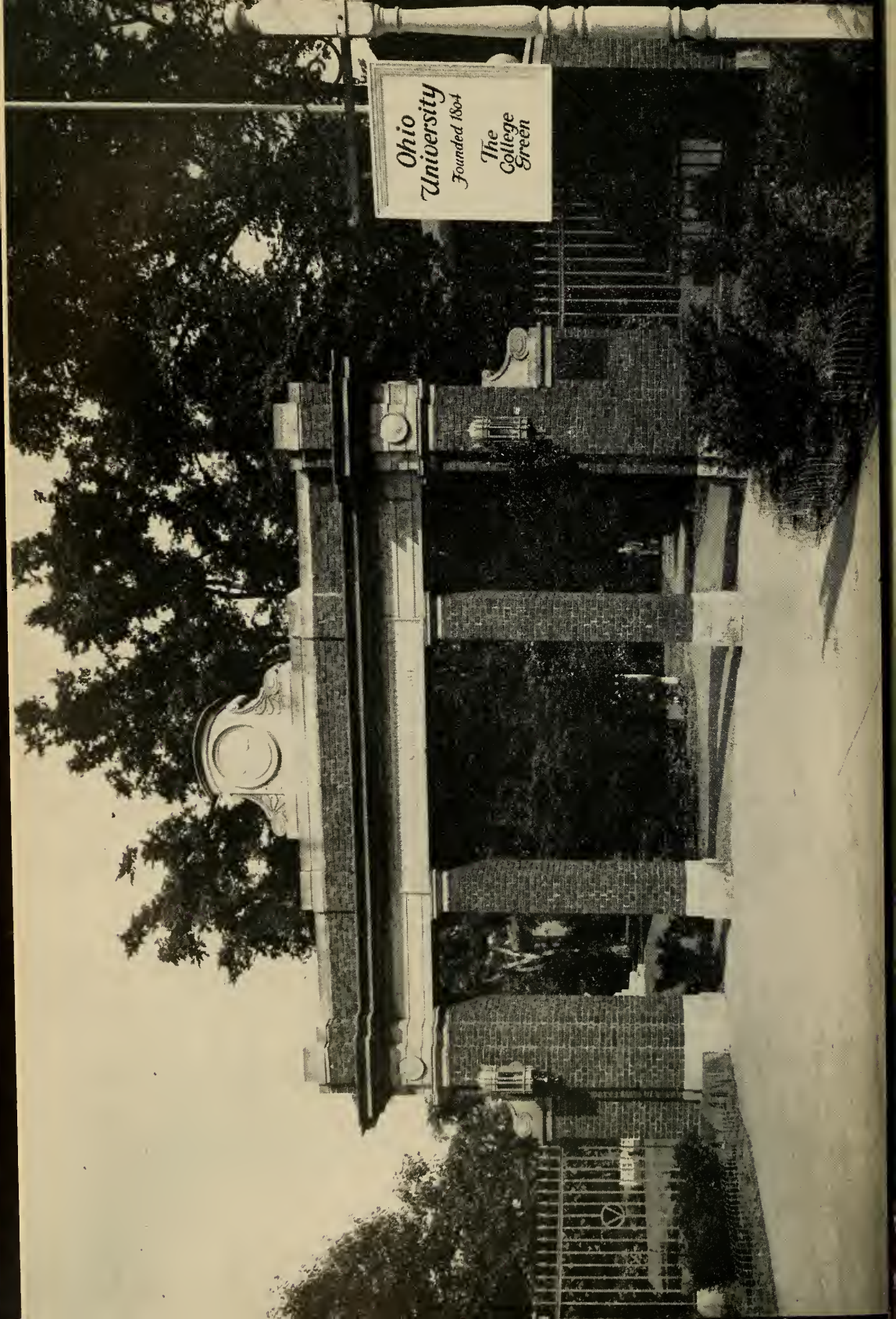
The major objective of the Institute is to bring to high school teachers a better understanding of the newer concepts and developments in the subjects which they teach so that they will be better able to inspire high school students with scientific ability to pursue careers in science.

Fifty participants will be allowed a stipend not to exceed \$450 for the six weeks plus \$90 for each dependent up to a maximum of four dependents. The allowance for dependents will be granted whether or not the dependents accompany the participant to the Institute. Stipends are tax free. Travel expenses will be allowed for participants at the rate of 4c a mile round trip up to a maximum of \$80. Registration fees will be paid by National Science Foundation.

Participants will be expected to reside and have their meals in a University dormitory assigned to the Institute. Dependents who accompany participants to the Institute will be permitted to reside and have their meals in the same dormitory. Children under 16 years of age will not be permitted unless accompanied by both parents, one of whom will be responsible at all times for supervision of the children. Housing charges are \$72 per person for single rooms and \$54 per person for double rooms for the six weeks. The same rates apply to dependents and participants. Charges for meals for the six weeks are \$126 for adults and \$63 for children under 12 years of age.

Participants will receive three semester hours of academic credit for satisfactory completion of any one of the following Institute courses: Physics 300, Institute for Physics Teachers; Chemistry 300, Institute for

*Ohio  
University*  
*Founded 1804*  
*The  
College  
Green*



Chemistry Teachers; Mathematics 300, Institute for Mathematics Teachers. Participants may register for any two of the three courses. Participants receiving stipends are required to take two courses, one of which must be for credit. Graduate credit for these courses will be granted to those participants who obtain admission to the Graduate College of Ohio University prior to the opening of the program.

Requests for application forms should be addressed to Dr. L. P. Eblin, Director, Summer Institute for Teachers of Science and Mathematics, Ohio University, Athens, Ohio. Completed applications must be returned to the Director by March 15. Notifications of acceptances or rejections will be sent to each applicant on or before April 15.

### CONFERENCE ON WORLD AFFAIRS

June 30-July 1

The Conference will consider some pertinent aspect of the problem of American relations with the affairs of Eastern Asia: the problem of neutralism on the part of Asian governments or the topic of political and economic developments in Red China. 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.

### OHIO BOOKMEN'S CLUB EXHIBIT

June 30-July 1

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.

### TRAVEL-STUDY PROGRAM IN FRANCE OR SPAIN

July 2-August 27

Students and teachers of French or Spanish who are interested in combining a program of summer study with travel in France or Spain are invited to communicate with the Director of Foreign Study, Ohio University, Athens, Ohio, for further details.

In brief, the program consists of five weeks in and about Paris or Madrid with the time divided between class work and educational and recreational activities.

Up to four hours of graduate or undergraduate credit may be earned in French or Spanish. Those who wish to register as auditors may do so, but will pay the same fee as those registered for credit.

The group will be under the guidance of one of the regular staff members, and instruction will be given by native French or Spanish teachers. There will, of course, be ample opportunity for the use of the spoken language.

## EXECUTIVE DEVELOPMENT PROGRAM

July 6-August 2

The Program is designed for business executives between the ages of thirty-five and forty-five 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.

## AUDIO-VISUAL EDUCATION WORKSHOP

July 20-August 2

The First Annual Audio-Visual Education Workshop will open with registration on Sunday, July 20, and continue for two weeks until Saturday, August 2.

The Workshop is designed for teachers who are utilizing or planning to use audio-visual aids in their teaching. It is also designed for those teachers who have had no training in, or no opportunity to use, audio-visual aids in their teaching fields. Audio-visual supervisors as well as school administrators will find valuable concepts presented in the Workshop with application for improvement in teaching.

A staff of nationally known experts will conduct various sessions of the Workshop. The program of study will include lectures, demonstrations and laboratory sessions, and an audio-visual manufacturers' equipment and materials show.

Many recreational activities will be featured as a part of the proceedings. The Workshop may be taken for two hours of academic credit either at the undergraduate or graduate level in Ed. 341, Workshop in Audio-Visual Education. The registration for credit fee of \$20 will be in addition to the basic workshop fee of \$20. The course may be used toward a degree in the College of Education. Those desiring graduate credit must be admitted to the Graduate College prior to the opening of the Workshop.

All participants will be housed in the University's newest dormitory—Jefferson Hall. Sessions will be conducted in the same building.

For further information write to Vincent Jukes, Director, Audio-Visual Workshop, Ohio University, Athens, Ohio.

## ELEMENTARY TEACHERS MUSIC WORKSHOP

July 29-August 2

This is a workshop in elementary school music and junior high school music for the classroom teacher and for the music teacher.

One hour of credit may be secured by those who register for credit. The



workshop fee of \$16 includes the \$10 registration fee. Board and room in residence halls will be \$27. For further information write Miss Mary Blayney, School of Music, Ohio University, Athens, Ohio.

### ELEMENTARY PRINCIPALS WORKSHOP

August 3-16

The Workshop on administration of the elementary school is sponsored by the College of Education in cooperation with the Ohio Department of Elementary School Principals. Current problems in elementary school administration will receive consideration with the Workshop theme being "Meeting Today's Challenges." The program will be stimulated throughout by outstanding persons in the field, and opportunities for group discussions will be amply provided.

Recreational and social activities will be provided through the use of University facilities and through the use of facilities available in the State parks and forests in the area.

Membership in the Workshop will be limited to 150 participants. The Workshop may be taken for two semester hours of graduate or undergraduate credit in Ed. 335, Workshop in Elementary School Administration, or for no credit. Those desiring graduate credit must be admitted to the Graduate College prior to the opening of the Workshop.

Board and room, at \$60 per person for the period, will be provided in Lindley Hall where Workshop activities will be held. The basic Workshop fee is \$30. All fees should accompany the application.

Persons who take the Workshop for credit must pay an additional registration fee of \$10 a semester hour.

Interested persons are advised to make early application. Requests for additional information should be directed to Dr. Milton E. Ploghoft, Principal, University Elementary School, Ohio University.

### CONFERENCE ON SCHOOL PLANT PLANNING AND OPERATION

August 14-15

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.

Participants will also have an opportunity and are encouraged to bring to the conference their tentative building programs, sketches, layouts, or plans for critical analysis and suggestions. Other phases of the school plant program will be discussed as they arise.

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

## WORKSHOP FOR TEACHER CERTIFICATION IN DRIVER EDUCATION

August 18-29

This teacher training course in Driver Education (Ind A. 199) is offered by the Industrial Arts Department. It will satisfy certification requirements of the Ohio Department of Education and the American Automobile Association. Consultants from the A.A.A. and other organizations will participate in the instruction.

Two semester hours of credit are given for this course. The registration fee is \$20. A list of available housing in private homes may be secured by writing to the Director of Housing, Ohio University, Athens, Ohio. For further information write to Chairman, Department of Industrial Arts, Ohio University, Athens, Ohio.

## DRIVER EDUCATION WORKSHOP FOR IN-SERVICE TEACHERS

August 25-29

This course (Ind A. 399) is designed for those who have already completed basic preparation in driver education (Ind A. 199). Class activity will be guided by problems found in present programs. Advance reservations are needed in order that the class be assured. The registration fee is \$10. One semester hour of credit is available. Graduate credit is available to those who are admitted to the Graduate College prior to the opening of the course.

A list of available rooms in private homes may be obtained by writing to the Director of Housing, Ohio University, Athens, Ohio. For further information write to Chairman, Department of Industrial Arts, Ohio University, Athens, Ohio.

## WORKSHOPS FOR HIGH SCHOOL STUDENTS

### WORKSHOP ON HIGH SCHOOL PUBLICATIONS

June 15-21

The thirteenth annual Workshop on High School Publications will be conducted by the School of Journalism beginning Sunday afternoon, June 15, and continuing through Saturday noon, June 21.

Designed for high school students and advisers, the six-day Workshop 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.

Headquarters for the Workshop this year will be in the new million-dollar Copeland Hall. It is air-conditioned and equipped with ultra-modern furniture and technical facilities.

The Workshop will be conducted and taught by more than 30 staff members, including nationally-known authorities in high school journalism. Specialists from outstanding commercial firms will assist the staff as con-

sultants in printing, engraving, photography, art, cartooning, advertising, accounting, mimeographing, radio-TV, and typing.

Three "model" newspapers will again be prepared and published by the students, advisers, and staff: (1) "The Workshopper," a regular newspaper; (2) "The Streamliner," a mimeographed newspaper; (3) "The Offset Gazette," an offset paper.

Sessions will include daily convocations, lectures, demonstrations, forums, field trips, round-tables, and problem clinics. Ohio University's facilities in journalism will be open to all Workshopppers—typography, engraving and photography laboratories, UP and AP wire services, visual aids, library, and specialized classrooms.

Workshopppers are urged to bring copies of their newspapers and year-books for analysis and criticism by the staff experts. The School of Journalism will provide written analysis of subsequent issues published by the Workshopppers during the following year.

Fun and recreation will be provided for all: picnics, parties, teas, dancing, sports, picture shows, swimming parties, contests, and get-togethers. Sigma Delta Chi and Theta Sigma Phi, men's and women's professional journalism fraternities, will serve as guides and aides for the Workshopppers while on the campus.

On "Commencement" night, after a banquet and formal program, all students and advisers will be awarded certificates for faithful participation and attendance.

Each high school student attending the Workshop will be charged a laboratory fee of \$6.50, payable in advance or upon registration. 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 15. Meals will start Sunday evening, June 15, and continue through Saturday noon luncheon, June 21. The board and room charge for the entire six-day period will be \$17.50.

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 laboratory fees and board and room are to be made payable to TREASURER OF OHIO UNIVERSITY.

## MUSIC CLINIC-WORKSHOP

June 15-28

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 a well-balanced band, orchestra and chorus, and daily clinic and workshop sessions where all phases of music teaching and everyday problems of music instruction will be discussed by nationally recognized music education authorities.

A 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 \$52. This amount includes a workshop fee of \$17, 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 \$52.

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 \$20, 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 15-28

The Workshop will be open to approximately one hundred and twenty high school students who will be sophomores, juniors, or seniors in the fall of 1958. 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.

The Workshop fee of \$60 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 15-28

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 1958-59 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.

## OHIO STUDENT COUNCIL WORKSHOP

August 3-8

This second annual Workshop for members and sponsors will be conducted under the joint sponsorship of Ohio University and the Ohio Association of Student Councils. It will open on Sunday afternoon, August 3 and continue through Friday noon, August 8.

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 fee of \$30, payable in advance. This fee will include room and board in university residence halls, health service, recreation, workshop notebook, and general supplies. Rooms will be available for students and sponsors beginning Sunday afternoon, August 3. Meals will start Sunday evening, August 3 and continue through the Friday noon luncheon, August 8.

With maximum attendance set at 150, students and sponsors are urged to make application by May 10, 1958. 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 7000 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 New York-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 Captial 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  
Architectural Engineering, 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 Economics

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 Agriculture), 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 lowest one-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 7 and July 25. 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, 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 a stipend of \$1600 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 \$1600 to \$2400 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 and, if the demand warrants, at the Senior High School in Athens. 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, with the addition of swimming and other activities. The children of students attending the University are welcome to attend the school during the summer term, *provided admission is arranged for in advance and there are available facilities*. There is no charge.

### UNIVERSITY LIBRARY

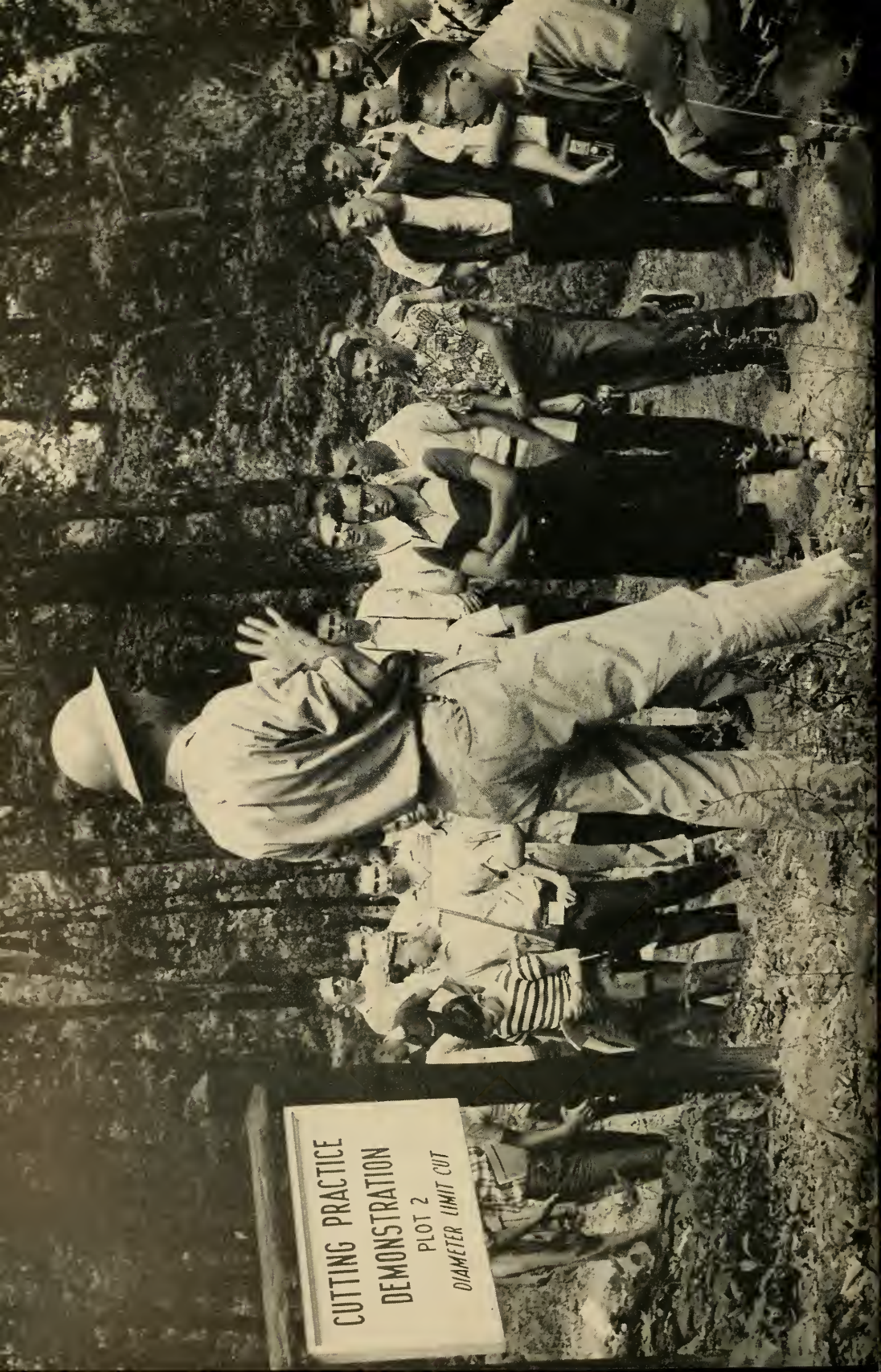
The Edwin Watts Chubb Library houses the University's main collection of more than 275,000 volumes, including periodical sets, documents, and pamphlets. The collection is shelved chiefly in the stacks to which all students have direct access. A reference collection of several thousand volumes is in the Reading Room and current issues of more than 1,200 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, 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 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 Carnegie Hall.



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. There is no registration charge made for this service while an applicant is enrolled as a student in the University or during his first year out of school. After the one year period, a charge of \$2 a year is made for each year in which assistance is requested.

The 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

Scott Quadrangle will be open for the accommodation of women students and Johnson Hall for men students during both five-week summer terms.

**APPLICATIONS:** Application for rooms in either Scott Quadrangle (women) or Johnson 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 \$60.00 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 \$45.00 for a single room and \$40.00 for a double room.

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. All undergraduate students, except those 25 years of age or over, are required to reside in approved housing.

## HOUSING FOR MARRIED STUDENTS

**APARTMENTS.** The University has 112 apartment units located on East State Street approximately two miles from The Green. Each of these apartments has a living room, bedroom, kitchen, and bathroom with an abundance of closet space. Each apartment is provided with a gas cooking range and a gas heating unit. Tenants must arrange to supply the additional needed articles. The rent for each apartment is \$39 a month, payable in advance. The rental charge includes all utilities and garbage disposal.

East of these apartments are seventeen prefabricated units which accommodate a like number of families. The rent for each unit is \$30 a month, payable in advance. Each family unit is complete within itself. Though small, it is compact, 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 \$10 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 eighth season of plays. Students enrolled in Summer Theatre Workshop form the nucleus of the acting company. Plays are produced by members of the staff of the School of Dramatic Art and Speech and guest directors. Summer Session students will be 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 21, 22, and 28.

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 10, 17, 24, and 31, and on August 7 and 14. Popular concert favorites will be programmed. Guest conductors and soloists attending the 1958 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 three nights each week 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.

Also, students attending for the Summer Session *only* are not required to provide the medical report and vaccination statement.

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 Educational 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, 29 South College Street, 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.

### 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 -----	\$40.00	\$80.00
Includes the general registration fee of \$25.00, 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 ___	8.00	20.00
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) -----	10.00	20.00
Auditors pay fees in full as above.		

**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, loans, 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 will 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 take the Proficiency Test.



**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 30 weeks with the completion of a minimum of 30 semester hours. If the minimum requirement is met, the 30 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.

**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.

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

If a student begins graduate study before he completes all requirements for a bachelor's degree, residence for the bachelor's degree will be reduced by as many weeks as credit hours of graduate work completed. The number of weeks subtracted will be credited toward the residence requirement for a master's degree if 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.

**SUMMER SESSION COMMENCEMENT.** Degrees and diplomas are granted at the end of each term. Formal graduation exercises, however, are held only 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 TERM

June 16 to July 18

### ACCOUNTING

(First Term)

- |  |        |       |         |
|--|--------|-------|---------|
| 75. ELEMENTARY ACCOUNTING  | 3      | 8:40  | Beckert |
| The fundamental principles of accounting theory and practice as they affect corporations, partnerships, and proprietorships.   |        |       |         |
| 125. INTERMEDIATE ACCOUNTING   | 3      | 10:20 | Beckert |
| 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.  | Staff   |
| Prereq., 306, 324 (formerly 224), and permission.  |        |       |         |
| 495. THESIS  | 1 to 6 | Arr.  | Staff   |
| Prereq., permission.   |        |       |         |

## ADVERTISING

(First Term)

155. **ADVERTISING PRINCIPLES** 3 1:40 Richmond  
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. Staff  
Prereq., 18 hrs. commerce including 5 hrs. advertising and permission.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission.

## AGRICULTURE

(First Term)

1. **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 1:00-5:00 MTWTh DeVeau, Stright  
Practical experience either on the University farm or in the University greenhouse.
202. **AGRICULTURAL PRACTICES** 3 8:00-12:00 MTWTh DeVeau, Stright  
or  
1:00-5:00 MTWTh  
A continuation of Agriculture 201. Prereq., 201.
322. **AGRICULTURAL PROBLEMS** 2 to 3 Arr. 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.

## ART

(First Term)

3. **ELEMENTARY DESIGN FOR TEACHERS** 2 8:40-10:10 Mihal  
Principles of design, color, lettering, and related problems. Planned for students who expect to major in elementary education.
28. **FIGURE DRAWING** 2 8:40-10:10 Leach  
Study of the human figure from the nude and draped model. Maximum credit in course, 6 hrs.
115. **CERAMICS** 3 1:40-4:50 Kelly  
Production processes. Introduction to the chemistry of glazes and simple geology of clays. Field trips to potteries and native clay deposits.
160. **PRACTICAL DESIGN WORKSHOP FOR ELEMENTARY TEACHERS** 3 7:00, 8:40 Leonard  
Problems in modeling, ceramics, murals, puppets, painting, and other activities related to the elementary school and philosophy of teaching. Prereq., 3.
301. **INDIVIDUAL PROBLEMS** 1 to 3 Arr. Staff  
Senior and graduate registration for individual instruction. Prereq., permission. Maximum credit in course, 12 hrs.

316. **ADVANCED CERAMICS** 1 to 5 Arr. Kelly  
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., 12 hrs., including 116, and permission.
341. **ADVANCED PAINTING (SPECIAL PAINTING CLASS)** 2 to 3 1:40-4:50 W. Barnet  
Advanced painting. Maximum credit in course, 12 hrs. Prereq., 20 hrs. and permission.
381. **RESEARCH** 1 to 5 Arr. Staff  
Individual problems of theory and practice involving research techniques. Prereq., permission.
471. **PAINTING** 1 to 5 Arr. Leach  
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.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission

## BOTANY

(First Term)

4. **GENERAL BOTANY** 3 12:00, 1:40 MTWTh Wallace  
The structure and function of plants, life cycles, classifications, genetics, a survey of the plant kingdom, and the fundamental interrelationships of plants and animals, including man. No credit if Biol. 1 and 2 have been completed.
105. **ELEMENTARY PLANT PHYSIOLOGY** 3 8:40, 10:20 MTWTh Wallace  
A basic study of the major plant processes and of the applications of physiological relations of plants to agriculture, industry, and forestry. Prereq., 4 and 1 year college chemistry.
343. **BOTANICAL STUDIES** 2 to 4 Arr. Wallace  
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. Wallace  
Independent research. Maximum credit in course, 6 hrs. Prereq., 18 hrs. and permission.
495. **THESIS** 1 to 6 Arr. Wallace  
Prereq., permission.

## BUSINESS LAW

(First Term)

255. **BUSINESS LAW** 3 7:00, 8:40 Howard  
(First 2½ weeks) The principles of law involved in contracts, agency, sales, negotiable instruments, partnerships, and corporations. Prereq., junior or senior rank.
256. **BUSINESS LAW** 3 7:00, 8:40 Howard  
(Second 2½ weeks) A continuation of Business Law 255. Prereq., 255.
381. **RESEARCH IN LAW** 1 to 3 Arr. 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.

## CHEMISTRY

(First Term)

113. **ORGANIC CHEMISTRY (ten-week course)** 4 8:40-9:40 Huntsman  
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)**  
 1:40-5:30 TTh Huntsman, Ingham  
 A laboratory course in organic preparations and reactions to accompany Chemistry 113. Prereq., 113 or with 113 or 202 or with 202.
435. **SPECIAL TOPICS IN INORGANIC CHEMISTRY** 3 8:40 Kline  
 Deals with a special phase of inorganic chemistry such as the less familiar elements, radiochemistry, or the chemistry of coordination compounds and completions. Prereq., 333.
481. **RESEARCH IN CHEMISTRY** 1 to 4 Arr. Staff  
 Prereq., 36 hrs.
495. **THESIS OR DISSERTATION** 1 to 4 Arr. Staff  
 Prereq., permission

**DRAMATIC ART**  
 (First Term)

347. **WORKSHOP IN SUMMER THEATRE** 6 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. Not open to graduate students. — Note: Students enrolled in this workshop are accepted as regular members of the production company of the Ohio Valley Summer Theatre and are expected to continue their work until the end of the seven week season on August 3.
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 hours. Prereq., permission.
494. **RESEARCH** 1 to 6 Arr. Staff  
 Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission.
495. **THESIS** 1 to 6 Arr. Staff  
 Prereq., permission.

**ECONOMICS**  
 (First Term)

101. **PRINCIPLES OF ECONOMICS** 3 7:00 Olsen  
 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 Olsen  
 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.
329. **COMPARATIVE ECONOMIC SYSTEMS** 3 8:40 Crewson  
 An analysis of the institutional framework of the following systems: modified capitalism, socialism, communism, and fascism. Special emphasis is given to the prevailing economic institutions in the United States, Great Britain, Russia, and Spain. 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.
381. **RESEARCH IN ECONOMICS** 1 to 3 Arr. Staff  
 Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. Staff  
 Prereq., permission.

## EDUCATION

(First Term)

### ELEMENTARY EDUCATION

101. **MATERIALS AND METHODS IN KINDERGARTEN-PRIMARY EDUCATION** 2 1:40-2:40 Starks, 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.
102. **LITERATURE FOR CHILDREN** 3 3:20 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.
163. **TEACHING OF READING AND LANGUAGE** 3 12:00 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 expressive phases of language are given major emphasis.
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.
169. **TEACHING OF SOCIAL STUDIES AND SCIENCE IN THE ELEMENTARY SCHOOL** 3 7:00  
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 1:40 Ward  
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.
403. **ADVANCED STUDIES OF CHILDREN** 3 10:20 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 Quick  
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.

### 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 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 10:20-12:00-1:00 TTh Shoemaker  
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 Shuster  
A critical appraisal of teaching in the light of available research on learning and teaching. Prereq., 228 (or equivalent) and Psych. 5.
470. **SEMINAR IN SECONDARY EDUCATION** 2 1:40-2:40 Quick  
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 Hill  
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.

## 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 schools. Prereq., 6 hrs. education and Psych. 5.
358. **WORKSHOP IN ECONOMIC EDUCATION** 3 Arr. Bean  
(June 15 — July 5) 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

484. **RESEARCH IN EDUCATION** 1 to 4 Arr. 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 10:20 Hill  
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 others by permission.
495. **THESIS** 1 to 4 Staff  
Prereq., permission.

## SCHOOL ADMINISTRATION AND SUPERVISION

410. **ADMINISTRATION OF THE ELEMENTARY SCHOOL** 2 12:00-1:00 Ploghoft  
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.
430. **HIGH SCHOOL ADMINISTRATION** 2 8:40-9:40 Lynn  
The program of studies, the program for health, vocational education, guidance, extra-curricular activities, provisions for individual differences, the selection and assignment of teachers, and the school schedule. Prereq., 6 hrs. education, including 440.
440. **LOCAL SCHOOL ADMINISTRATION** 3 8:40 Krantz  
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. Prereq., 6 hrs. education.
441. **STATE AND NATIONAL SCHOOL ADMINISTRATION** 3 1:40 Staff  
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.
444. **HUMAN PROBLEMS IN SCHOOL ADMINISTRATION** 3 12:00 Benz  
A course dealing with problems of human relations in school administration. Prereq., 9 hrs. education, including 440, and permission.
446. **SUPERVISION OF INSTRUCTION** 3 10:20 Shuster  
The principles underlying democratic supervision and techniques which promote the growth of teachers in service. Laboratory experiences in analysis of teaching situations. Prereq., 410, and 211, or 332 and 430, 410, and 211, or 332 and 430.

### OBSERVATION AND STUDENT TEACHING

- |   |   |      |  |       |
|---|---|------|--|-------|
| 274e. <b>ADVANCED STUDENT TEACHING, ELEMENTARY</b>              | 3 | 8:30 |  | Olson |
| Enrollment by permission from the Director of Student Teaching. |   |      |  |       |
| 274e. <b>ADVANCED STUDENT TEACHING, SECONDARY</b>               | 3 | 8:30 |  | Evans |
| Enrollment by permission from the Director of Student Teaching. |   |      |  |       |

### ENGINEERING

#### CIVIL ENGINEERING

(First Term)

- |   |   |      |  |        |
|---|---|------|--|--------|
| 120. — <b>Applied Mechanics (Statics)</b>   | 3 | 1:40 |  | Badger |
| Laws of equilibrium of forces; friction; centroids and moment of inertia. Prereq., Math 101 or with Math 101. |   |      |  |        |

#### ENGLISH

(First Term)

- |   |        |       |  |         |
|---|--------|-------|--|---------|
| 3. <b>ENGLISH COMPOSITION</b>   | 3      | 7:00  |  | Knecht  |
| 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.  |        |       |  |         |
| 101. <b>SOPHOMORE ENGLISH LITERATURE</b>  | 3      | 8:40  |  | Culbert |
| A survey of English literature from the Middle Ages through the 17th Century with particular emphasis upon Chaucer, Shakespeare and Milton. Prereq., 4.   |        |       |  |         |
| 111. <b>THE CHIEF AMERICAN WRITERS</b>  | 3      | 10:20 |  | Knecht  |
| 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.  |        |       |  |         |
| 262. <b>THE CONTEMPORARY ENGLISH AND AMERICAN NOVEL</b>   | 3      | 10:20 |  | Stone   |
| 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. |        |       |  |         |
| 312. <b>CHAUCER</b>   | 3      | 1:40  |  | Culbert |
| Chaucer, his life and his world; contemporary literature; his early works; <i>The Canterbury Tales</i> ; <i>Troilus and Criseyde</i> ; Chaucer scholarship. Prereq., 12 hrs.; 311 recommended.  |        |       |  |         |
| 323. <b>SHAKESPEARE</b>   | 3      | 10:20 |  | Foster  |
| Shakespeare's development as a writer of comedies and historical dramas; his life and social background; the Elizabethan stage and theatrical companies. A research paper. Prereq., 12 hrs.   |        |       |  |         |
| 368. <b>TWENTIETH CENTURY POETRY</b>  | 3      | 8:40  |  | Foster  |
| An extensive analysis of such poets as Eliot, Auden, Frost, Thomas and some younger poets. Prereq., 12 hrs.   |        |       |  |         |
| 390. <b>STUDIES IN ENGLISH</b>  | 1 to 3 | Arr.  |  | Stone   |
| Directed reading and research in English and American literature for individual students with special interest and competence. Conferences and papers. Maximum credit in course, 6 hrs. Prereq., 12 hrs. and permission of chairman.            |        |       |  |         |
| 495. <b>THESIS</b>  | 1 to 6 | Arr.  |  | Stone   |
| Prereq., permission.  |        |       |  |         |

### GENERAL STUDIES

(First Term)

#### BIOLOGY

- |  |   |             |  |              |
|--|---|-------------|--|--------------|
| 1. <b>Biology—THE LIVING WORLD</b>   | 3 | 12:00, 1:40 |  | MTWTh Tullis |
| 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. |   |             |  |              |

## GEOGRAPHY AND GEOLOGY

(First 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. 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.

### GOVERNMENT

(First Term)

1. **AMERICAN GOVERNMENT (National)** 3 10:20 Elsbree  
Includes the political and constitutional development, the organization and the functioning of the national government. Not open to juniors and seniors.
106. **CURRENT POLITICAL AND SOCIAL PROBLEMS** 2 8:40-9:40 Elsbree  
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. Elsbree  
Research or directed reading based upon the student's special interest. Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.
101. **RESEARCH IN GOVERNMENT** 1 to 3 Arr. Elsbree  
Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.
195. **THESIS** 1 to 6 Arr. Elsbree  
Prereq., permission.

### HISTORY

(First Term)

1. **WESTERN CIVILIZATION IN MODERN TIMES** 3 10:20 Cady  
The course covers the period from 1450 to 1815, and stresses the Renaissance, the Protestant Reformation, the agricultural and commercial revolution, European expansion, the French Revolution and Napoleonic era. Not open to juniors or seniors.
101. **HISTORY OF THE UNITED STATES** 3 7:00 Daniel  
A survey course covering the political, diplomatic, social and economic development of American history to 1865.
325. **WESTWARD MOVEMENT** 3 10:20 Daniel  
Expansions from the Atlantic to the Pacific. Explorations, Indian trade, land policies, pioneer life, territorial acquisitions and state making, trails and railroads to the Far West, rise of cowboy land, types of later frontier, and influence of the West upon American ideals and institutions. Prereq., 6 hrs.
385. **IMPERIALISM AND WORLD POLITICS** 3 8:40 Cady  
Types of imperialism: empire building during the 19th and 20th centuries by Russia and Japan, United States, Great Britain, France, Germany, and Italy. Prereq., 6 hrs.

392. **PROBLEMS IN HISTORY** 2 to 3 Arr. Staff  
Intensive individual work either in research or in systematic reading along the lines of the student's special interest under the supervision of a member of the staff. Prereq., 15 hrs, and permission. Maximum credit in course, 6 hrs.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission.

## HOME ECONOMICS

(First Term)

313. **TEXTILES AND CLOTHING FOR THE CONSUMER** 2 8:40-9:40 Cowan  
Problems presented to the buyer and the consumer in purchasing textile products such as lingerie, home-furnishing fabrics, ready-to-wear, and accessories. Prereq., 9 hrs. clothing and textiles, Ec. 11 or 101.
320. **CREATIVE COOKERY AND MEAL MANAGEMENT** 2 1:00-4:00 MWF Roberts  
An advanced course emphasizing the creative, scientific, and artistic phases of food preparation and meal management. Prereq., 9 hrs. foods and nutrition and permission.
353. **HOME MANAGEMENT LABORATORY** 3 Arr. Cowan  
Residence in the home management house for five weeks 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.
370. **FAMILY LIFE EDUCATION** 3 10:20 Nehls  
To examine attitudes, relationships, and practices within the family group to gain a deeper understanding of dynamics of family living in our changing society. To develop methods and techniques of presenting family living in the home economics curriculum. Prereq., Psych. 3 or 5, and 18 hrs. in Home Econ.
391. **SEMINAR IN HOME ECONOMICS** 1 1:40 TTh Roberts  
Prereq., 18 hrs., and permission.
495. **THESIS** 2 Arr. Roberts  
Prereq., Permission.

## HUMAN RELATIONS

(First Term)

303. **HUMAN RELATIONS** 3 8:40 B. Black  
A course taught by the case method, designed for students interested in studying the habits and skills of analysis, judgment, and action important to people in all walks of life. Prereq., junior, senior, or graduate rank.
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. Staff  
Prereq., permission.

## INDUSTRIAL ARTS

(First Term)

5. **DRIVER EDUCATION** 1 12:00 TTh; 3 periods arranged Perry  
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 \$15.00.
9. **CRAFT AND HOBBY WORK** 2 1:40-3:40 Perry  
A laboratory course in which any student of the University may learn to work with wood, metal, leather, reed, plastics, textiles or other available materials.

106. **ADVANCED WORK IN CRAFTS** 2 1:40-3:40 Perry  
 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.

115. **INDUSTRIAL ARTS FOR THE ELEMENTARY SCHOOL** 2 1:40-3:40 Perry  
 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.

133. **PRACTICAL ELECTRICITY** 3 7:00, 8:40, 10:20  
 (June 16-July 3) Armbruster  
 A study of sources, principles, and measurements of electricity. Planning and construction of devices to illustrate electrical effects.

199. **ADMINISTRATION OF DRIVER EDUCATION** 3 12:00; 2 periods arranged  
 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., Driver's License, Psych 5 or permission.

203. **INDUSTRIAL ELECTRONICS** 3 7:00, 8:40, 10:20  
 (June 16-July 3) Armbruster  
 Fundamental theory and practice in the use and care of electronic apparatus commonly employed for communication and production control in industry. Prereq., 133.

303. **CURRENT TRENDS AND DEVELOPMENTS** 2 8:40, 10:20 Baysinger  
 (July 7-July 18)  
 A study of new developments and undertakings in the field of industrial education. Attention will be directed toward the philosophies directing the movements, the methods of organization, the apparent results, and possible future implications for industrial educators. Prereq., 12 hours.

328. **SPECIAL PROBLEMS IN INDUSTRIAL ARTS** 1 to 3 Arr. Staff  
 A research course where individual problems are selected for investigation, solution, and reporting. Maximum credit in course, 3 hrs. Prereq., senior rank

450d. **ADVANCED WORK IN POWER** 2 8:40, 10:20 Armbruster  
 (June 16-July 3)  
 Advanced laboratory work in the power area along with a study of the industrial practices in this field. Prereq., Power 133, 134.

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

### JOURNALISM (First Term)

1. **ORIENTATION IN JOURNALISM** 2 1:40-2:40 Baird  
 Analysis of the forms and purposes of journalistic communications—reporting, editing, management, advertising, radio and television news, public relations, free lance and feature writing, photo-journalism; opportunities for careers in the various sequences; guidance and counseling; survey of facilities.

107. **NEWSPAPER REPORTING** 3 10:20 Hortin  
 Instruction in methods of gathering material and writing news reports, interviews, reports of speeches, follow-ups 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.
307. **REPORTING OF PUBLIC AFFAIRS** 2 8:40-9:40 Baird  
Includes a study of governmental, civic, and business organizations: courts, legal procedure, city and county government, state and national organizations, banks, political parties, and community activities. Prereq., 111, or permission, and senior rank in journalism.
323. **ADVANCED FEATURE AND MAGAZINE WRITING** 2 10:20-11:20 Baird  
Students are permitted wide range in selecting feature subjects. High grade writing is stressed with definite idea of publication. Prereq., 322.
381. **RESEARCH IN JOURNALISM** 1 to 3 Arr. Staff  
Special studies in one or more phases of journalism. Prereq., 18 hrs. in journalism and advertising, and permission.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission.

#### LIBRARY SCIENCE

(First Term)

202. **BOOKS FOR HIGH SCHOOL READERS** 3 7:00 Linnenbruegge  
A study of library service for young people serves as an introduction to books and book services for the high school age group.

#### MANAGEMENT

(First Term)

211. **INDUSTRIAL MANAGEMENT** 3 7:00 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 8:40 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. 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. Staff  
Prereq., permission.

#### MARKETING

(First Term)

155. **MARKETING PRINCIPLES** 3 10:20 Richmond  
The principles, methods, and policies of marketing consumers' goods and industrial goods. Prereq., Ec. 12 or 102.
381. **RESEARCH IN MARKETING** 1 to 3 Arr. 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. Staff  
Prereq., permission.

## MATHEMATICS

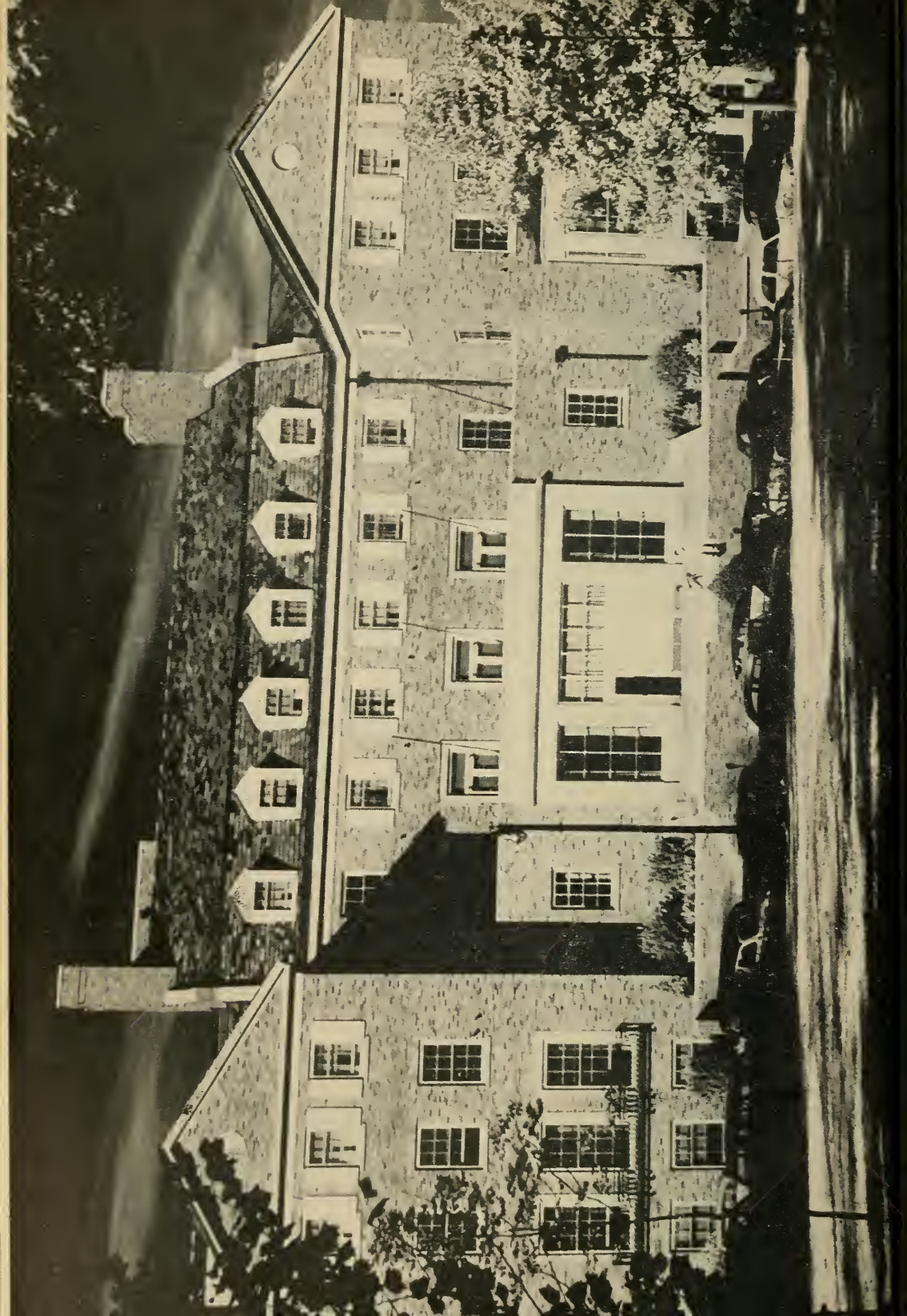
(First Term)

- |   |        |                       |          |
|---|--------|-----------------------|----------|
| 1. <b>ELEMENTARY ALGEBRA</b>  | 3      | 1:40                  | Goedicke |
| A beginning course for students with no high school algebra. (Summer Session only.)   |        |                       |          |
| 3. <b>INTERMEDIATE ALGEBRA</b>  | 3      | 1:40                  | Sexauer  |
| Review of high school algebra and some simple topics from College Algebra. Any student who takes 3 must earn a "C" or better in order to go to Math. 5. Prereq., 2, or 1 yr. each in algebra and plane geometry in high school. |        |                       |          |
| 5. <b>FRESHMAN MATHEMATICS (Ten-week Course)</b>  | 5      | 12:00                 | Butner   |
| College algebra and plane trigonometry. Prereq., 2, or 1 yr. each in algebra and plane geometry in high school.   |        |                       |          |
| 6. <b>ANALYTIC GEOMETRY AND CALCULUS I (Ten-week Course)</b>  | 5      | 12:00                 | Sexauer  |
| Topics in analytic geometry, function and limits, differentiation and integration of algebraic forms, application of derivatives, integration as a summation process, Prereq., 5.   |        |                       |          |
| 101. <b>ANALYTIC GEOMETRY AND CALCULUS II</b>   | 4      | 8:40 MTWThF, 1:40 TTh | Butner   |
| Conics, differentiation and integration of transcendental functions, polar coordinates, parametric equations, curvature, integration, indeterminate forms. Prereq., 6.  |        |                       |          |
| 315. <b>ADVANCED APPLIED MATHEMATICS I</b>  | 3      | 10:20                 | Goedicke |
| An introductory treatment of elementary and series solution of differential equations, partial differential equations and boundary value problems, and fourier series. Prereq., 102.  |        |                       |          |
| 340. <b>STUDIES IN MATHEMATICS</b>  | 1 to 3 | Arr.                  | Staff    |
| Selected topics in mathematics are studied under the guidance of an instructor particularly interested in the field. Maximum credit in course, 6 hrs. Prereq., 18 hrs.  |        |                       |          |
| 495. <b>THESIS</b>  | 1 to 6 | Arr.                  | Staff    |
| Prereq., permission.  |        |                       |          |

## MUSIC

(First Term)

- |  |        |               |           |
|--|--------|---------------|-----------|
| 72. <b>MUSIC FUNDAMENTALS</b>  | 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.                                     |        |               |           |
| 273. <b>CONDUCTING</b>   | 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.                  |        |               |           |
| 313. <b>ORCHESTRATION</b>  | 2      | Arr.          | Ahrendt   |
| Scoring for small, medium, and full orchestra. Prereq., 104 and 106.   |        |               |           |
| 319. <b>COMPOSITION</b>  | 2      | Arr.          | Ahrendt   |
| Original writing in the smaller forms. Prereq., 104 and 106.   |        |               |           |
| 338. <b>THE LITERATURE OF ORCHESTRAL MUSIC</b>   | 2      | 7:00-8:00     | Ingerham  |
| Orchestral literature from the classic through the contemporary. Prereq., F. A. 124.   |        |               |           |
| 376a. <b>MUSIC CLINIC—WORKSHOP</b>   | 2      | Arr.          | Staff     |
| (June 15-28) Prereq., Sr. or Grad. Majors.   |        |               |           |
| 384. <b>RESEARCH IN MUSIC</b>  | 1 to 2 | Arr.          | Sears     |
| Prereq., 30 hrs. or the equivalent. Permission.  |        |               |           |
| 401. <b>MUSIC LITERATURE</b>   | 3      | 1:40          | Bergsagel |
| Prereq., F. A. 124, and permission.  |        |               |           |
| 403. <b>SEMINAR IN MUSIC</b>   | 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. observ. and 4 hrs. stud. teach.
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. 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.

- PIANO** ½ to 1 Arr. Jennings
- STRINGED INSTRUMENTS: Violin, Viola, Violoncello, Bass**  
½ to 1 Arr. Ingerham
- WOODWIND INSTRUMENTS: Flute, Oboe, Clarinet, Bassoon**  
½ to 1 Arr. Minelli
- BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba**  
½ to 1 Arr. Minelli
- PERCUSSION INSTRUMENTS** ½ to 1 Arr. Minelli
- UNIVERSITY BANDS** ½ 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., 104, 106, 273, and permission.
433. **PIANO** 1 Arr. Jennings
437. **STRINGED INSTRUMENTS** 1 Arr. Ingerham

#### PHILOSOPHY

(First 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.
104. **NEW TESTAMENT THOUGHT** 3 10:20 Grean  
A study of the background and development of New Testament thought. Examination of the philosophical, moral, and religious significance of the beliefs of Jesus, Paul, and the early Church.

#### PHYSICAL EDUCATION AND ATHLETICS

(First Term)

##### SERVICE COURSES FOR MEN AND WOMEN

3. **BEGINNING SWIMMING** 1 8:40 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 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.  | <b>ADVANCED SWIMMING</b>  | 1 | 10:20       | 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. | <b>BEGINNING TENNIS</b>   | 1 | 10:20       | Staff |
|     | For students who wish to learn or improve skills, fundamentals of play, court strategy and rules.   |   |             |       |
| 18. | <b>INTERMEDIATE TENNIS</b>  | 1 | 10:20       | Staff |
|     | A continuation of 17 with emphasis on fundamentals of play and court strategy. Prereq., 17 or playing experience.   |   |             |       |
| 41. | <b>BEGINNING GOLF (2 sections)</b>  | 1 | 12:00, 1:40 | Staff |
|     | Instruction and practice in grips, strokes, stance and other techniques necessary to start playing golf.  |   |             |       |
| 42. | <b>INTERMEDIATE GOLF</b>  | 1 | 1:40        | Staff |
|     | Instruction and practice in playing golf. Prereq., 41 or playing experience.  |   |             |       |
| 45. | <b>BEGINNING BOWLING</b>  | 1 | 1:40        | Staff |
|     | Instruction and practice in skills, etiquette, rules and scoring. \$10.50 pin fee.  |   |             |       |
| 47. | <b>RIDING</b>   | 1 | 3:20        | Staff |
|     | Instruction and practice at the McAfee Farm. \$20.00 fee.   |   |             |       |
|     | <b>RECREATIONAL DIP HOUR</b>  | 0 | 1:40        | 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. | <b>PERSONAL AND COMMUNITY HEALTH</b>   | 3 | 8:40      | Trepp           |
|      | 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.   |   |           |                 |
| 123. | <b>PHYSICAL THERAPY CLINIC</b>   | 1 | 1:40-5:00 | Schleicher      |
|      | Theory and practice of physical therapy and the treatment of athletic injuries. Prereq., Zool, 133-134. (July 14-July 18.)   |   |           |                 |
| 267. | <b>BASKETBALL CLINIC</b><br>(June 23 thru 27)  | 1 | 1:40-5:00 | Snyder, Staff   |
| 267. | <b>BASEBALL CLINIC</b><br>(June 30 thru July 3)  | 1 | 1:40-5:30 | Wren, Staff     |
| 268. | <b>FOOTBALL CLINIC</b><br>(June 16 thru 20)  | 1 | 1:40-5:00 | Staff           |
| 268. | <b>TRACK CLINIC</b><br>(July 7 thru 11)  | 1 | 1:40-5:00 | Huntsman, Staff |
| 269. | <b>TEACHING OF HEALTH</b>  | 3 | 10:20     | Trepp           |
|      | Instruction, principles and curricula used in presenting health information to pupils in the elementary and secondary schools. Prereq., 102.   |   |           |                 |
| 270. | <b>TEACHING OF PHYSICAL EDUCATION</b>  | 1 | 12:00 MW  | O'Neal          |
|      | Objectives, organization and program suggestions for physical education in the elementary and secondary schools.   |   |           |                 |
| 349. | <b>COMMUNITY RECREATION</b>  | 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. |   |           |                 |

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

### PHYSICS

(First Term)

5. **INTRODUCTION TO PHYSICS** 4 8:40, Lab. 1:40-3:40 MWF Shipman  
A beginning course in physics designed for nontechnical and premedical students. Topics include mechanics and heat.
114. **GENERAL PHYSICS** 4 10:20, Lab. 1:40-3:40 MWF Edwards, Shipman  
Fundamental principles of physics. Topics include electricity, magnetism, and light. Designed for students in engineering, mathematics, physics, and chemistry. Prereq., 113, Math, 6.
314. **MODERN SPECTROSCOPY** 3 8:40 MTWThF Edwards  
The structure of atoms, molecules, and nuclei as revealed by emission and absorption spectra, hyperfine structure, energy levels, electron configurations, and elementary quantum mechanics. Prereq., 114.
361. **SPECIAL PROBLEMS IN PHYSICS** 1 to 3 Arr. Staff  
Supervised minor research problems in experimental or theoretical physics. Prereq., 15 hrs. and permission.
481. **RESEARCH IN PHYSICS** 1 to 3 Arr. Staff  
Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. 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 Games  
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.
303. **MENTAL MEASUREMENTS** 3 1:40 Games  
The theory, methods, practice and results of intelligence tests. Prereq., 9 hrs. and a course in statistics.
309. **MOTIVATION AND EMOTIONS** 3 8:40 Nygaard  
The dynamics of animal and human behavior; a study of drives, desires, incentives; a study of emotion in relation to motives. Prereq., 9 hrs.
310. **MENTAL HYGIENE** 3 8:40 Patrick  
The dynamics of behavior pathology: The integration and application of motivational, emotional, perceptual, and learning principles to maladjustments including psychoneurosis. Prereq., 9 hrs.
325. **MINOR PROBLEMS IN PSYCHOLOGY** 1 to 3 Arr. Staff  
Training in the scientific study of some problem of special interest to the student. Relatively independent work emphasized. Maximum credit in course, 6 hrs. Prereq., 9 hrs. and permission.
337. **COUNSELING AND PSYCHOTHERAPY** 3 1:40 Patrick  
Analysis of theory and practice in counseling and psychotherapy. Prereq., 9 hrs.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission.

## RADIO-TELEVISION

(First Term)

- 47a. **WORKSHOP—RADIO ENGINEERING** 1 8:40 TTh Tompkins  
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.
- 47c. **WORKSHOP—TELEVISION ENGINEERING** 1 1:40 TTh Tompkins  
Technical aspects of the operation, maintenance and repair of television equipment. Prereq., permission.
247. **ADVANCED RADIO WORKSHOP** 2 7:00 MWF, Arr. Greer  
Rehearsal, performance, and technical work connected with radio broadcasting. Maximum credit in course, 4 hrs. Prereq., 8 hrs. in radio, including 147.
375. **PROGRAM PLANNING AND BUILDING** 3 10:20 Greer  
A thorough study of all aspects of radio station operation with particular reference to programming, costs, staff, program building and series planning. Case study of a specific situation. Prereq., senior standing, 225-226, 309 or equivalent.
380. **ADVANCED PROBLEMS IN RADIO** 3 1:40 Jukes  
Individual and group study projects in the fields of production, direction, writing, research, surveys, evaluation of existing materials, agencies, regulating bodies, legislation and communicative law. Senior standing and approval of proposed project prior to registration.
494. **RESEARCH** 1 to 6 Arr. Staff  
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission.

## ROMANCE LANGUAGES

(First Term)

### FRENCH

1. **BEGINNING FRENCH** 4 8:40, 1:40 TTh Ondis  
Pronunciation, essentials of grammar, oral practice, and reading.

### SPANISH

303. **READINGS FROM SPANISH LITERATURE** 1 to 3 Arr. Ondis  
Selections vary with the needs of the class and the student. Prereq., 102.
381. **RESEARCH IN SPANISH LANGUAGE AND LITERATURE** 1 to 3 Arr. Ondis  
Prereq., 12 hrs. beyond 102 and permission. Maximum credit in course, 6 hrs.

## 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.
437. **ADMINISTRATION IN BUSINESS EDUCATION** 3 1:40 Sponseller  
Problems involved in planning, administering, and supervising a business education program in the high school. Does not give credit toward B.S.C. degree. Prereq., 20 hrs. commerce and permission.

## SOCIOLOGY

(First Term)

101. **PRINCIPLES OF SOCIOLOGY** 3 10:20 Park  
A one-semester 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.

211. **RACE AND CULTURE CONTACTS** 3 8:40 Park  
The conflict, accommodation, and assimilation of racial and ethnic groups; individual and collective status and experience arising in the contacts of peoples of diverse cultures. Prereq., 3 hours sociology or 9 hours social sciences.
381. **RESEARCH PROBLEMS IN SOCIOLOGY** 1 to 3 Arr. Staff  
Individual research; may be coordinated with other student or staff research. Maximum credit, 6 hrs. Prereq., 12 hrs. and permission.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission.

## SPEECH AND SPEECH AND HEARING THERAPY

(First Term)

### SPEECH

1. **FUNDAMENTALS OF SPEECH** 1 7:00 TTh Wiseman  
Study and practice of basic techniques for effective participation in everyday speaking situations.
3. **PUBLIC SPEAKING** 2 10:20-11:20 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.
305. **PROBLEM SOLVING THROUGH GROUP DISCUSSION** 3 1:40 Wiseman  
Social responsibility, ethical problems and standards; application of the principles of general semantics and group dynamics; purposes; types, and methods of discussion; frequent class practice. Prereq., junior standing.
319. **RHETORICAL CRITICISM** 3 12:00 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.
491. **RESEARCH** 1 to 6 Arr. Staff  
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission.

### SPEECH AND HEARING THERAPY

194. **SPEECH CORRECTION FOR THE CLASSROOM TEACHER** 3 8:40 Watkins  
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. Staff  
Observation in the summer speech and hearing clinic. Prereq., permission.
- 247b. **CLINICAL PRACTICE—Therapy** 1 or 2 Arr. Staff  
Supervised clinical practice with children in the summer speech and hearing clinic. Prereq., 307, 310, 320, permission.
312. **PHONETICS** 3 8:40 Kantner  
The study of speech sounds from a sociological, physiological, and acoustical point of view. Mastery of the international phonetic alphabet. Training in phonetic transcription. Prereq., 6 hrs. or permission.
320. **ADVANCED CLINICAL METHODS** 3 10:20 Penson  
Methods in speech correction for adults; survey of current literature; clinical experience with adults in such problems as articulatory disorders, stuttering, aphasia, cerebral palsy, cleft palate and loss of hearing. Prereq., 10 hrs. including 310.

405. **CLINICAL PROGRAMS IN SPEECH AND HEARING THERAPY** 3 1:40 Penson  
 Organization and administration of clinical programs in speech and hearing therapy. Administrative structures, services, professional standards and underlying philosophies in speech and hearing clinics, both public and private. Prereq., 310, 319, 320.
494. **RESEARCH** 1 to 6 Arr. Staff  
 Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs. permission.
495. **THESIS OR DISSERTATION** 1 to 6 Arr. Staff  
 Prereq., permission.

**STATISTICS**  
 (First Term)

235. **BUSINESS STATISTICS** 3 7:00-8:00 Soltow  
 (Schedule one lab.) Lab. 8:05 MTWThF  
 Lab. 9:10 MTWThF  
 Elementary statistical methods used in business.
381. **RESEARCH IN BUSINESS STATISTICS** 1 to 3 Arr. Staff  
 Prereq., 18 hrs. commerce including 155 or 256, and permission.

**ZOOLOGY**  
 (First Term)

3. **PRINCIPLES OF ZOOLOGY** 3 7:00, 8:40 MTWTh Tullis  
 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. Tullis, Stehr  
 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. Tullis, Stehr  
 Semi-independent studies under the guidance of the instructor. Maximum credit in any one area, 8 hrs. Prereq., 10 hrs. and permission.  
 d. Genetics—breeding experiments, pedigree analysis and library work in the field of heredity.  
 h. Readings in Biology—readings dealing with biological history, theory and advances.

**COURSES FOR THE SECOND TERM**

July 21 to August 22

**ACCOUNTING**  
 (Second Term)

76. **ELEMENTARY ACCOUNTING** 3 8:40 McLaren  
 A continuation of Accounting 75. See description under 75, first term. Prereq., 75.
126. **INTERMEDIATE ACCOUNTING** 3 10:20 McLaren  
 A continuation of Accounting 125. See description under 125, first term. Prereq., 125.
381. **RESEARCH IN ACCOUNTING** 1 to 3 Arr. Staff  
 Prereq., 306, 324 (formerly 224), and permission.
495. **THESIS** 1 to 6 Arr. Staff  
 Prereq., permission.

**AGRICULTURE**  
 (Second Term)

201. **AGRICULTURAL PRACTICES** 3 8:00-12:00 MTWTh DeVeau, Stright  
 or 1:00-5:00 MTWTh  
 Practical experience either on the University farm or in the University greenhouse.

202. **AGRICULTURAL PRACTICES** 3 8:00-12:00 MTWTh DeVeau, Stright  
or 1:00-5:00 MTWTh  
A continuation of Agriculture 201. See description under 201, first term. Prereq., 201.
322. **AGRICULTURAL PROBLEMS** 2 to 3 Arr. Staff  
See description under 322, first term. Maximum credit in course 9 hrs. Prereq., 15 hrs. and permission.
381. **RESEARCH IN AGRICULTURE** 2 to 3 Arr. Staff  
Independent research. Maximum credit in course 6 hrs. Prereq., 18 hrs. and permission.

## ART

(Second Term)

### ART HISTORY

381. **IMPRESSIONISM AND POST-IMPRESSIONISM** 3 8:40-10:10 Olpp  
Emphasis on developments in French Art between the 1848 Revolution and 1900. The problems of the Academy, Romanticism, Classicism, Realism, Impressionism, Post-Impressionism, Cezanne, and Symbolists. Prereq., F. A. 17 and 18 or permission.

## ART

21. **ELEMENTARY SCULPTURE** 2 8:40-10:10 Ybarra  
Theory and aesthetic application of principles of art with emphasis on volumetric organization. Required of all freshmen.
205. **PAINTING** 2 10:20-11:50 Freimark  
Basic techniques and practices in oil painting. Maximum credit in course, 12 hrs. Prereq., Art 2 or permission.
231. **SCULPTURE** 3 1:40-4:50 Ybarra  
Modeling from life in clay and plaster. Work with terra-cotta, stone, wood, and metal. Maximum credit in course, 12 hrs. 6 lab. Prereq., 28.
301. **INDIVIDUAL PROBLEMS** 1 to 3 Arr. Staff  
Senior and graduate registration for individual instruction. Prereq., permission. Maximum credit in course 12 hrs.
309. **PRINTS** 3 1:40-4:50 Freimark  
Silk screen, linoleum and wood blocks, etching, aquatint, dry point, lithography, and other related media. Prereq., 12 hrs., and permission.
381. **RESEARCH** 1 to 5 Arr. Staff  
Individual problems of theory and practice involving research techniques. Prereq., permission.
431. **PRINTMAKING** 1 to 5 1:40-4:50 Freimark  
Experimental work in various print media and their combinations. Maximum credit in course, 12 hrs. Prereq., Art 309 and 310 and permission.
471. **PAINTING** 1 to 5 Arr. Leach  
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.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission.

## CHEMISTRY

(Second Term)

471. **SPECIAL TOPICS IN ORGANIC CHEMISTRY** 3 8:40 Ingham  
Deals with a special phase of organic chemistry such as physical organic chemistry, heterocyclic compounds, steroids or terpenes. Prereq., 202.
481. **RESEARCH IN CHEMISTRY** 1 to 4 Arr. Staff  
Prereq., 36 hrs.
495. **THESIS OR DISSERTATION** 1 to 4 Arr. Staff  
Prereq., permission.

## DRAMATIC ART

(Second Term)

481. SEMINAR IN DIRECTING OR THEATRE MANAGEMENT 3 8:40 Trisolini  
Conferences, independent research or experimentation, and summary reports. Independent research projects must be approved prior to registration. Prereq., 18 hrs. including 351 or equivalent.
494. RESEARCH 1 to 6 Arr. Staff  
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission.
495. THESIS 1 to 6 Arr. Staff  
Prereq., permission.

## ECONOMICS

(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.
315. PUBLIC FINANCE 3 10:20 Picard  
Analysis of spending and taxing functions of federal, state, and local governments. The growing importance of fiscal policy in determining level of employment. The economic effects of the various taxes of federal, state, and local governments. Prereq., 12 or 102.
381. RESEARCH IN ECONOMICS 1 to 3 Arr. Staff  
Prereq., 15 hrs. and permission.
495. THESIS 1 to 6 Arr. Staff  
Prereq., permission.

## EDUCATION

(Second Term)

### ELEMENTARY EDUCATION

103. STUDIES OF CHILDREN 3 10:20 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.
169. TEACHING OF SOCIAL STUDIES AND SCIENCE IN THE ELEMENTARY SCHOOL 3 7:00 Shrigley  
See description under 169, first term.
211. THE CHILD AND THE CURRICULUM 3 10:20 Felsingner  
See description under 211, first term. Prereq., senior rank, Ed. 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.
411. PROBLEMS IN ELEMENTARY CURRICULUM 3 12:00 Quick  
A critical study of the basic issues and theories underlying curriculum development. Prereq., permission.

### SECONDARY EDUCATION

428. ADVANCED PRINCIPLES OF TEACHING 3 10:20 Roberts  
See description under 428, first term. Prereq., 228 (or equivalent) and Psych. 5.



## RESEARCH AND SCIENTIFIC TECHNIQUES

311. **WORKSHOP IN AUDIO-VISUAL EDUCATION 2** July 20-Aug. 2 Jukes, Shrigley  
A concentrated course in audio-visual aids for teaching, for advanced undergraduate and graduate students. Emphasis on better implementation of teaching procedures through audio-visual materials. Two weeks of lectures, laboratory, demonstrations, and directed reading.
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.
188. **INTRODUCTION TO GRADUATE STUDY** 3 8:40 Sligo  
See description under 488, first term. Prereq., open to all graduate majors and minors in education and to others by permission.

## SCHOOL ADMINISTRATION AND SUPERVISION

332. **THE HIGH SCHOOL CURRICULUM** 3 7:00 Roberts  
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.
443. **SCHOOL LAW** 2 12:00-1:00 Bean  
The constitutional basis for education, schools and their legal setting, school legislation and court decisions, with special reference to Ohio school law. Prereq., 440.
445. **SCHOOL BUILDING PLANNING** 2 10:20-11:20 Chase  
The planning of new school buildings and sites, plant evaluation, rehabilitation, maintenance problems, and school equipment. Prereq., 440.
446. **SUPERVISION OF INSTRUCTION** 3 7:00 Felsing  
See description under 446, first term. Prereq., 410 and 211, or 332 and 430.

## ENGINEERING

(Second Term)

### ENGINEERING DRAWING

- 1-2. **ENGINEERING DRAWING** 2-2 1 at 8:40; 2 at 10:20 Nellis  
Lab. 1:40-3:10  
Freehand lettering, use of instruments, geometric constructions, freehand drafting, orthographic projection, auxiliary and sectional views, dimensioning. Isometric, oblique, detail, and assembly drawing. Intersections, developments, tracings and blue prints. Working drawings made from actual machine parts are dimensioned in the accepted American Standard method.

## ENGLISH

(Second Term)

1. **ENGLISH COMPOSITION** 3 7:00 Wells  
The grammatical elements of English composition, the sentence, and the paragraph. After completing English 1 with a grade of not less than C, students are required to pass English 3-4. Credit for English 1 is not counted toward a degree.
4. **ENGLISH COMPOSITION** 3 12:00 Swardson  
A progressive course in written composition. Beginning with a brief review of the fundamentals of grammar and paragraph building, the course offers more scope for reading, discussion, and analytical writing. Prereq., 3.
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** 3 10:20 Wells  
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.

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

**FINANCE**  
(Second Term)

75. **PERSONAL FINANCE** 2 8:40-9:40 Dawson  
Considered are such subjects as installment purchases, savings accounts, savings bonds, borrowing, life insurance, annuities, buying a home, investments in securities, investment companies, and taxes. Prereq., not open to juniors and seniors nor to students working toward the Bachelor of Science in Commerce degree.
101. **FINANCIAL INSTITUTIONS** 3 10:20 Dawson  
Commercial banking, consumer credit, long-term funds for business, security exchanges, savings institutions, insurance, investment companies, urban real estate financing, farm credit, and the Federal Reserve System. Prereq., Ec. 12 or 102.
381. **RESEARCH IN FINANCE** 1 to 3 Arr. Staff  
Special studies in money, banking, or corporation finance. Prereq., 9 hrs., Ec. 12 or 102 and permission.
495. **THESIS** 1 to 6 Arr. Staff  
Prereq., permission.

**FINE ARTS**  
(Second Term)

121. **HISTORY OF PAINTING AND SCULPTURE** 3 1:40-3:10 Olpp  
Periods, styles, and great personalities from early times to the present. Analysis of aesthetic qualities in masterpieces of art.

**GENERAL STUDIES**  
(Second Term)

**BIOLOGY**

2. **Biology—THE LIVING WORLD** 3 12:00, 1:40 MTWTh Stehr  
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 MTWThF Pierce  
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**  
(Second 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. 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.

**GOVERNMENT**  
 (Second Term)

2. **AMERICAN GOVERNMENT (State)** 3 10:20 Everett  
 Concerned with the organization and functioning of state and local governments. Not open to juniors and seniors.
216. **INTERNATIONAL RELATIONS** 3 8:40 Everett  
 Basic factors involved in world politics, including the modern state system, nationalism, militarism; the evolution of international relations, forces and conditions affecting international relations, and the formulation of national foreign policies. Prereq., Govt. 1 and Hist. 2; or Hist. 1 and 2.
401. **RESEARCH IN GOVERNMENT** 1 to 3 Arr. Everett  
 Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.
495. **THESIS** 1 to 6 Arr. Everett  
 Prereq., permission.

**HISTORY**  
 (Second Term)

2. **WESTERN CIVILIZATION IN MODERN TIMES** 3 10:20 Lobdell  
 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 7:00 Thompson  
 A survey course covering the political, diplomatic, social, and economic development of American history since 1865.
145. **LATIN AMERICAN HISTORY** 3 10:20 Thompson  
 Emphasis on the national rather than the colonial period.
321. **THE UNITED STATES IN RECENT TIMES, 1898-1928** 3 8:40 Lobdell  
 American imperialism, the Progressive era, World War I, retreat from world responsibility, and the post-war prosperity period. Prereq., 6 hrs.
392. **PROBLEMS IN HISTORY** 2 to 3 Arr. Staff  
 See description under 392, first term. Prereq., 15 hrs. and permission. Maximum credit in course, 6 hrs.
495. **THESIS** 1 to 4 Arr. Staff  
 Prereq., permission.

**HOME ECONOMICS**  
 (Second Term)

318. **ADVANCED TEXTILES** 3 8:40 MTWThF, 10:20 MWF Cowan  
 Physical and chemical examination of fibers and fabrics. Problems in the comparison and evaluation of fabrics. Prereq., 4, 110, Chem. 2.
353. **HOME MANAGEMENT LABORATORY** 3 Arr. Cowan  
 See description under 353, first term. Prereq., 351 or with 351, and permission.

360i **WORKSHOP IN HOME ECONOMICS—SCHOOL LUNCH MANAGEMENT** 1 to 2 1:00-4:00 Macauley  
 Prereq., 268 or equivalent, teaching experience. (Aug. 4 — Aug. 22)

390b. **FIELD WORK — HOME SERVICE WORK WITH PUBLIC UTILITIES** 4 Arr. 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 adviser serves as coordinator of the work established with these outside agencies. Prereq., 18 hrs., permission, and senior rank.

390d **FIELD WORK—RETAIL MERCHANDISING** 4 Arr. Roberts  
 See description under 390b.

## INDUSTRIAL ARTS

(Second Term)

1. **GENERAL WOODWORKING I** 3 12:00, 1:40 Paige  
 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.
2. **GENERAL WOODWORKING II** 3 12:00, 1:40 Paige  
 A study of the operation of common woodworking machinery, cabinet construction, decorative processes, veneering and house framing. Prereq., 1.
13. **GENERAL COLD METALS** 3 7:00, 8:40 Paige  
 A study of the materials and the fundamental operations involving hand and machine work in sheet metal, bench metal and machine shop.
104. **FURNITURE UPHOLSTERY** 2 12:00, 1:40 MWF Paige  
 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.
124. **MACHINE SHOP** 2 7:00, 8:40 MWF Paige  
 The shaping of metal by the use of the engine lathe, the shaper, the milling machine, and including the care and upkeep of these machines. Prereq., 13 or permission.
328. **SPECIAL PROBLEMS IN INDUSTRIAL ARTS** 1 to 3 Arr. Paige  
 A research course where individual problems are selected for investigation, solution, and reporting. Maximum credit in course, 3 hrs. Prereq., senior rank.
- 450a. **ADVANCED WORK IN WOOD** 2 12:00, 1:40 MWF Paige  
 Advanced laboratory work in the wood area along with a study of the industrial practice in this field. Prereq., 1, 2.
- 450b. **ADVANCED WORK IN METAL** 2 7:00, 8:40 MWF Paige  
 Advanced laboratory work in the metal area along with a study of the industrial practices in this field. Prereq., 13, 14.

## JOURNALISM

(Second Term)

111. **REPORTING PRACTICE** 1 to 6 Arr. Reamer  
 See description under 111, first term. Prereq., 107 and permission.
221. **EDITING PRACTICE** 1 to 6 Arr. Gilbert  
 See description under 221, first term. Prereq., 217 or permission.
277. **NEWSPAPER ADVERTISING PRACTICE** 1 to 6 Arr. Nichols  
 See description under 277, first term. Prereq., 247.
381. **RESEARCH IN JOURNALISM** 1 to 3 Arr. Staff  
 Prereq., 18 hrs. in journalism and advertising, and permission.
495. **THESIS** 1 to 6 Arr. Staff  
 Prereq., permission.

## LIBRARY SCIENCE

(Second Term)

### 191. HISTORY OF LIBRARIES AND THE USE OF LIBRARY RESOURCES

3 7:00 Devlin

A survey of the development of book collections serves as an introduction to practical training in the effective use of modern library resources. Open to all students in any year. Required for a minor in library science.

## MATHEMATICS

(Second Term)

### 2. PLANE GEOMETRY (two sections) 3 8:40; 12:00 Hood, Baxter

A course for students with no high school geometry. Prereq., 1, or 1 yr. high school algebra. (Summer Session only.)

### 34. MATHEMATICS OF FINANCE 3 1:40 Fishback

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.

### 102. ANALYTIC GEOMETRY AND CALCULUS III

4 8:40 MTWThF, 1:40 TTh Baxter

Solid analytic geometry, series, expansion of functions, partial derivatives, multiple integrals, elementary differential equations. Prereq., 101.

### 340. STUDIES IN MATHEMATICS 1 to 3 Arr. Staff

See description under 340, first term. Prereq., 18 hrs.

### 495. THESIS 1 to 6 Arr. Staff

Prereq., permission.

## MUSIC

(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.

### 266. TEACHING OF MUSIC IN ELEMENTARY GRADES 2 10:20-11:20 Blayney

Music materials and methods. For elementary teachers only. Prereq., 72.

### 267. SUPERVISION OF MUSIC IN THE ELEMENTARY SCHOOL 3 8:40 Blayney

(For music majors only.) Prereq., with Ed. 272.

### 307. ARRANGING AND SCORING FOR BANDS 2 8:40-9:40 Brophy

Scoring and arranging for the modern marching and symphonic band. Prereq., 104, 106, 233.

### 376c. ELEMENTARY MUSIC WORKSHOP 1 Arr. Blayney

(July 29 — August 2)

### 384. RESEARCH IN MUSIC 1 to 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. 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	½ to 1	Arr.	Peterson
WOODWIND INSTRUMENTS: Flute, Oboe, Clarinet, Bassoon,	½ to 1	Arr.	Brophy
BRASS INSTRUMENTS: Trumpet, Baritone, Horn, Trombone, Tuba	½ to 1	Arr.	Brophy
PERCUSSION INSTRUMENTS	½ to 1	Arr.	Brophy
UNIVERSITY BANDS	½	7:00 pm TTh	Brophy
431. VOICE	1	Arr.	Peterson
441. BRASS INSTRUMENTS	1	Arr.	Brophy

## PHILOSOPHY (Second Term)

2. MORAL PHILOSOPHIES	3	8:40	Hagensick
A study of important moral philosophies in the history of western thought. Discussion of such themes as the good life and the nature of moral obligation. Not open to juniors and seniors.			
110. INTRODUCTION TO PHILOSOPHY	3	10:20	Hagensick
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 (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	Staff
4. INTERMEDIATE SWIMMING	1	10:20	Staff
5. ADVANCED SWIMMING	1	10:20	Staff
17. BEGINNING TENNIS	1	10:20	Staff
18. INTERMEDIATE TENNIS	1	10:20	Staff
41. BEGINNING GOLF (2 sections)	1	12:00, 1:40	Staff
42. INTERMEDIATE GOLF	1	1:40	Staff
45. BEGINNING BOWLING	1	1:40	Staff
RECREATIONAL DIP HOUR	0	1:40	Staff

## MAJOR — MINOR

### TEACHER EDUCATION COURSES FOR MEN AND WOMEN

102. PERSONAL AND COMMUNITY HEALTH	3	8:40	Staff
See description under 102, first term.			
270. TEACHING OF PHYSICAL EDUCATION	1	12:00 MW	Rhoads
See description under 270, first term.			
309. TESTS AND MEASUREMENTS	3	10:20	Miller
Available tests and measurements for health education, physical education and athletics, their place, use and possibilities in the program; practice in handling testing data by elementary statistical methods. Prereq., 10 hrs. and senior or graduate rank.			

491. **SEMINAR IN PHYSICAL EDUCATION AND ATHLETICS** 3 8:40 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.

195. **THESIS** 1 to 6 Arr. Miller

### PHYSICS

(Second Term)

268. **TEACHING OF PHYSICAL SCIENCES** 2 10:20-11:20 Pierce  
 Objectives, materials, methods, evaluation. Prereq., 8 hrs. in physics or chemistry.

326. **HEAT LABORATORY** 1 8:40 MW Pierce  
 Mechanical equivalent, heat of combustion, determination of gamma, conductivity, specific heat of carbon, absolute expansion of mercury, flame temperature. Prereq., 114 and Math. 102.

361. **SPECIAL PROBLEMS IN PHYSICS** 1 to 3 Arr. Staff  
 Supervised minor research problems in experimental or theoretical physics. Prereq., 15 hrs. and permission.

481. **RESEARCH IN PHYSICS** 1 to 3 Arr. Staff  
 Maximum credit in course, 6 hrs. Prereq., 15 hrs. and permission.

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

### PSYCHOLOGY

(Second Term)

1. **GENERAL PSYCHOLOGY** 3 10:20 Johns  
 See description under 1, first term.

5. **EDUCATIONAL PSYCHOLOGY** 3 10:20 Storm  
 See description under 5, first term.

103. **CHILD PSYCHOLOGY** 3 8:40 Johns  
 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.

315. **SOCIAL PSYCHOLOGY** 3 8:40 Storm  
 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.

325. **MINOR PROBLEMS IN PSYCHOLOGY** 1 to 3 Arr. Staff  
 Training in the scientific study of some problem of special interest to the student. Relatively independent work emphasized. Maximum credit in course, 6 hrs. Prereq., 9 hrs. and permission.

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

### RADIO-TELEVISION

(Second Term)

47a. **WORKSHOP — RADIO ENGINEERING** 1 1:40 TTh Tompkins  
 See description under 47a, first term.

316. **CONTINUITY WRITING** 3 10:20 Greer  
 Writing of scripts including continuity, straight and dramatized commercials, original and short sketches and stories. Prereq., 12 hrs. radio and journalism, or 12 hrs English, and junior standing.

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

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

## ROMANCE LANGUAGES

(Second Term)

### FRENCH

2. **BEGINNING FRENCH** 4 8:40, 1:40 TTh Ondis  
 Pronunciation, essentials of grammar, oral practice, and reading.

### SPANISH

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

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

## SECRETARIAL STUDIES

(Second Term)

180. **OFFICE MACHINES** 2 10:20 Weaver  
 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.

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

391. **SEMINAR IN BUSINESS TEACHING PROBLEMS** 3 8:40 Weaver  
 Does not give credit toward B.S.C. degree. Maximum credit in course, 10 hrs. Prereq., 20 hrs. commerce and permission.

## SPEECH AND SPEECH AND HEARING THERAPY

(Second Term)

### SPEECH

1. **FUNDAMENTALS OF SPEECH** 1 1:40 TTh Ludlum  
 Study and practice of basic techniques for effective participation in everyday speaking situations.

325. **DIRECTION OF FORENSIC PROGRAMS** 3 7:00 Ludlum  
 Organization of forensic programs in high schools and colleges, management of inter-school contests and tournaments, coaching of debate, discussion and individual events, and principles of judging. Practical application in the university forensic program. Prereq., 25, 305 or equivalent.

333. **ORAL INTERPRETATION OF DRAMATIC LITERATURE** 3 1:40 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. A. 339.

412. **ADVANCED SPEECH COMPOSITION AND DELIVERY** 3 10:20 Ludlum  
 Advanced study of content, organization, composition and delivery of lecture-length speeches. Prereq., 112, or 309 or equivalent.

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



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

#### SPEECH AND HEARING THERAPY

- 247a. **CLINICAL PRACTICE — OBSERVATION** 1 Arr. Staff  
Observation in the summer speech and hearing clinic. Prereq., permission.
- 247b. **CLINICAL PRACTICE — THERAPY** 1 or 2 Arr. 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 8:40 Ham  
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, 320 or with 320.
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 or with 392.
494. **RESEARCH** 1 to 6 Arr. Staff  
Individual, guided research on special problems. Projects must be approved prior to registration. Prereq., 8 hrs., permission.
495. **THESIS OR DISSERTATION** 1 to 6 Arr. Staff  
Prereq., permission.

#### STATISTICS (Second Term)

256. **BUSINESS STATISTICS** 3 7:00-8:00 Soltow  
(Schedule one lab) Lab, 8:05 MTWThF  
Lab, 9:10 MTWThF  
A continuation of Statistics 255. Elementary statistical methods used in business. Prereq., 255.
381. **RESEARCH IN BUSINESS STATISTICS** 1 to 3 Arr. Staff  
Prereq., 18 hrs. commerce including 155 or 256, and permission.

#### ZOOLOGY (Second Term)

4. **PRINCIPLES OF ZOOLOGY** 3 7:00, 8:40 MTWTh Stehr  
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
103. **READINGS IN BIOLOGY** 1 Arr. Tullis, Stehr  
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. Tullis, Stehr  
Semi-independent studies under the guidance of the instructor. Maximum credit in any one area, 8 hrs. Prereq., 10 hrs. and permission.
- b. Ecology—field and laboratory studies of the relation between animals and their surroundings.
  - c. Entomology—classification, structure, life histories, and economic aspects of insects.
  - e. Invertebrate Zoology—classification, structure, embryology, and life history of invertebrates.
  - h. Readings in Biology—readings dealing with biological history, theory and advances.



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 1958 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 1958 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 \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

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Date \_\_\_\_\_

**DIRECTOR OF STUDENT HOUSING**

Please provide information about university housing for the 1958 Summer Session:

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

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Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

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 \_\_\_\_\_, an application for assistantship \_\_\_\_\_.

Name \_\_\_\_\_

Street \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

Graduate College, Ohio University, Athens, Ohio

O USS-58

----- 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

O USS-58