

Vol XXVI

No. 1

OHIO UNIVERSITY BULLETIN



SUMMER SESSION

NINE WEEKS

Begins June 17, 1929
Closes August 16, 1929
Regular Half Semester
One Session

ATHENS, OHIO, JANUARY, 1929
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OHIO UNIVERSITY

Summer Session
1929

Maintained by
THE COLLEGE OF LIBERAL ARTS
and
THE COLLEGE OF EDUCATION

Regular Collegiate Work

CALENDAR

June 17—Registration
June 18—Classes Begin
July 4—Independence Day
August 16—Session Closes

THE UNIVERSITY CALENDAR

1929-1930

SUMMER SESSION—NINE WEEKS—1929

June	17,	Mon.	Registration of students.
June	18,	Tues.	Recitations and lectures begin, 7:00 a. m.
July	4,	Thurs.	Independence Day.
Aug.	16,	Fri.	Close of Summer Session and August Commencement.
First Semester, 1929			
Sept.	23,	Mon.	Registration of freshmen and new students, 8:00 a. m. to 5:00 p. m.
Sept.	24,	Tues.	Registration of freshmen and new students continued; registration of former students beginning at 1:00 p. m. Convocation and group meetings of freshmen and new students, 11:00 a. m.; college ability tests, 2:00 p. m.
Sept.	25,	Wed.	Registration of former students, continued.
Sept.	26,	Thurs.	Classes begin at 8:00 a. m.
Nov.	22,	Fri.	Mid-semester reports on delinquent students.
Nov.	28,29,		Thanksgiving Recess.
Dec.	20,	Fri.	Holiday recess begins, 4:00 p. m.

1930

Jan.	6,	Mon.	Holiday recess ends. Classes begin 8:00 a. m.
Feb.	7,	Fri.	First semester ends and February Commencement.

Second Semester, 1930

Feb.	10,	Mon.	Registration and college ability tests.
Feb.	11,	Tues.	Classes begin at 8:00 a. m.
Feb.	18,	Tues.	Founders' Day.
Feb.	22,	Sat.	Washington's Birthday.
Apr.	11,	Fri.	Mid-semester reports on delinquent students.
Apr.	18,		
Apr.	to		
Apr.	22,		Easter recess from Friday, 4:00 p. m. to Tuesday, 8:00 a. m.
May	30,	Fri.	Memorial Day.
June	8,	Sun.	Baccalaureate Service.
June	10,	Tues.	June Commencement.

SUMMER SESSION—NINE WEEKS—1930

June	16,	Mon.	Registration of students.
June	17,	Tues.	Recitations and lectures begin, 7:00 a. m.
July	4,	Fri.	Independence Day.
Aug.	15,	Fri.	Close of Summer Session and August Commencement.

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LOCATION

Athens, the seat of Ohio University, is situated in the southeastern part of the State. It is easily accessible from the east and west by the Baltimore & Ohio and its branches; from the southern, central and northern portions of the State by the Hocking Valley and the Toledo and Ohio Central railways. By these routes it is one hundred and sixty miles from Cincinnati and seventy-five miles southeast from Columbus. The sanitary arrangements of the city are unsurpassed. Its principal streets are paved; it is provided with water works and sewerage; its Board of Health is vigorous and efficient. There are few cities in the country that are more desirable as a place of temporary or permanent residence than Athens.

The lover of natural scenery cannot fail to be charmed with its picturesque surroundings. The winding valley of the Hocking and the wooded hills beyond present a series of striking views from the University, while the wide prospects, as seen at certain seasons from some of the neighboring summits, afford a quiet and varied beauty.

ORIGIN

Educational effort at Ohio University is included in the work of the College of Liberal Arts and in that of the College of Education. Ohio University was organized by an act of the Ohio Legislature in 1804. The trustees are appointed by the Governor. The support is derived chiefly from a levy upon the taxable property of the state. The institution is the oldest of the three State Universities.

The College of Education was established by an act of the Ohio Legislature in March, 1902. It was opened for students in September, 1902, and at that time was known as the State Normal College.

ADMISSION

Students enrolling for the first time in the University and those whose admission to the University has not yet been formally arranged must present a certificate of graduation from an acceptable high school. This certificate must be a transcript of high school courses which cover at least fifteen units, not more

than twelve of which may be accepted from a second grade high school. A diploma is not enough.

Courses in the high school must include the following requirements as given by the State Department of Education:

Two units of English

Two units of social studies, one of which shall be advanced American history ($\frac{1}{2}$) and civics ($\frac{1}{2}$)

One unit of natural science

Two majors of three units each

Two minors of two units each

Examinations in high school subjects to remove deficiencies in units required for entrance to the University will be given at the University on Monday, June 17, at 8:30 A. M. in Room 208, Ellis Hall. Permission to take these examinations must be obtained from the Registrar not less than one week in advance.

All new students entering the University will be given a test in general ability. The test will be given at 3:30 P. M., June 17th.

Adult students 21 years of age or over may be admitted to the University upon passing the University test in general ability, provided the scores are sufficiently high to assure the University that the student has the ability to carry college work even though he may have had no high school training or only a partial high school course. Such special student shall not become a candidate for graduation, however, until the deficiency in his high school education shall first have been made up. This test will be given at 3:30 P. M., June 17th.

Students who come to the college after having done work in another college, normal school, or university will be granted advanced standing for all such work which is of college grade, provided the college or normal school in question is fully accredited. No college credit is given for high school units in excess of the fifteen units required for admission. The student who receives advanced standing is required to take in Ohio University all the prescribed subjects in the course he selects unless these prescribed subjects or other substantial equivalents have been taken already in the normal school or college from which he comes. A student wishing advanced standing should send to the

Registrar not less than two weeks in advance, an official transcript of his college record including a letter of honorable dismissal and his high school record. Students who wish to secure advanced standing in the University by examination must do so within one month after their first registration as students. Permission for such examination must be obtained from the Registrar. All candidates for examination must notify the Registrar at least four days before the examination is to take place.

A student coming temporarily from some other college for summer work should arrange before the regular school year ends, to have his Dean or Registrar send to the Registrar of Ohio University a statement of good character and satisfactory scholarship.

GRADUATION

The Bachelor's degree (A. B., B. S., Mus. B., B. S. in Education, or other bachelor's degree) is conferred upon those who complete the requirements as set forth in the annual catalog. For detailed information see the annual catalog.

The Master's degree will be conferred on the completion of an additional year's work of graduate quality in advance of the Bachelor's degree, provided that such work does not involve additional expenditure for laboratory or other equipment. Only students with excellent records as undergraduates will be admitted to graduate work.

All work for the Master's degree must be done under the direction of a committee composed of the President of the University, the Deans of the Colleges, the Registrar of the University and the Professor in charge of the major courses.

FACULTY

With few exceptions the regular faculty of the University will be on the campus for the work of the summer session. The type of instruction, therefore, during the summer session will easily be the equal of that during the regular college year.

TYPE OF WORK AND COURSES OF STUDY

The faculty offers the same high grade of work during the summer session that it does in the regular school year. The members of the student body are earnest and eager and appre-

ciate very fully their needs and opportunities. It is the purpose of the University to give practical courses that will meet these needs. Students are urged to bring their particular problems to the notice of the teachers and to make full use of the equipment of the University in solving them.

Superintendents, supervisors, and principals will find courses designed to help them with their problems. Opportunity will be given for research in the various fields of educational practice.

Those who are not preparing to be teachers will find ample provision for study in courses in the College of Liberal Arts.

RESIDENCE

No student will be awarded a degree or diploma who has not been in residence at Ohio University two semesters, one of which shall be the semester in which the degree or diploma is awarded. Two nine-week summer sessions are the equivalent of a semester.

CREDIT HOURS

Students will be allowed to carry as few hours as they wish but the regular fee will be charged. The usual load of the student during the summer term will be eight semester hours of credit or sixteen recitations a week. Nine semester hours of credit will be allowed on the approval of the Committee on Registration where the student's record warrants it.

Three hour courses will meet six times a week and other courses accordingly so that entire semester courses may be completed during the summer term. *This plan will avoid later complication because of credit for half-finished courses.*

Classes may be visited or audited by those to whom special visitor's cards are issued by the President of the University. Any person wishing to audit regularly will be required to pay a fee of two dollars a semester hour though no credit is expected or given.

Renewal of Teachers' Certificates. The ruling of the State Department of Education requires teachers to complete $4\frac{1}{2}$ or 9 semester hours in summer for the renewal of certificates. This plan fits in well with the half-semester nine-week summer

session since 9 semester hours can be secured by those who must renew their certificates.

Absences. Absence from class on the first day of the summer session may involve a reduction in the grade of the student. It is very important that every student be in class at the first meeting of the course. Students presenting acceptable excuses for the first day absences must do so at the Dean's office within ten days after registration day in order to prevent any deduction. Special fees for late registration will be as follows: \$2.00 for registration June 18; \$4.00 on June 19; with increase of \$2.00 a day for later registration, including Saturday; no registration to be allowed after Monday, June 24. In case a student finds it impossible to enter on registration days because his own school is still in session he should write to Registrar F. B. Dilley asking for permission to enter late without special fee for late registration. Late registration will also mean in most cases that the student must carry fewer than the usual number of hours.

Any student absent from class on the last day of the session will have his report turned in as "incomplete" unless he has a permit from the President to leave before the close of the session.

Changes in Registration. All changes in registration must be made in the office of the Dean of the college in which the student is registered. This applies to courses dropped, courses added, and changing from one course to another. No change in registration may be made after Thursday, June 27. A fee of two dollars (\$2.00) will be charged for any change after June 22.

SCHEDULE OF RECITATIONS

A complete detailed schedule of recitations will be in print available for use of students and their advisers on registration day, Monday, June 17. With few exceptions classes will begin at 7 o'clock and close at 12 o'clock noon. In general the afternoon will be free for study and recreation.

EXPENSES

Fees. A registration fee of \$20.00 will be required of all students who register in the University for the Summer Session. The usual laboratory fees will be charged.

Rooms and Board for Men. The University does not have adequate dormitory accommodation for men. This situation is met by the people of Athens, who open their homes to the students. Lists of available rooms may be secured at the office of the Alumni Secretary by students who need assistance in finding a place to live. The rates vary with the location and equipment of the room and also the number of persons who occupy the room. This variation extends from \$1.50 to \$3.00 a person a week for double rooms and from \$2.50 to \$5.00 a person a week for single rooms.

The boarding situation is adequately cared for by the University Cafeteria which is under the direction of the University, and by the private boarding clubs and restaurants near the campus. Good, wholesome meals can be secured at the rate of \$4.50 to \$5.00 a week.

Rooms and Board for Women. Lindley and Boyd Halls, together with cottages, will be open for the summer of 1929 to women students. Furnishings of the rooms include everything necessary, except such personal things as towels, soap, dresser coverings, couch coverings, cushions, pictures, etc.

Room rent ranges from \$2.00 to \$3.00 a week a person. Board is uniformly \$4.50 a week in either dining hall. All cottage residents are expected to board in one of the university dining halls or at the cafeteria. Rent is due at the beginning of the summer for the entire session of nine weeks.

For assignments in Lindley Hall, write to Miss Louise Field; in Boyd Hall, to Miss Willanna Riggs; and in the cottages to Dean Irma E. Voigt. Accompany your request for an assignment with a \$5.00 retaining fee. Write early and in case assignment is obtained, remember that no room will be held for any applicant later than 9:00 o'clock P. M. of registration day. No room will be held unless secured by the \$5.00 retaining fee.

Information about rooms in private homes may be obtained, upon personal application, at the office of the Dean of Women.

Addresses are no longer sent out by mail. These rooms may be rented at from \$2.00 to \$3.00 a week a person when two occupy the room.

Books. The library will be open to all students on Monday, Tuesday, Wednesday, Thursday, and Friday from 7 A. M. to 9 P. M. and on Saturday from 7 A. M. to 5 P. M. Text-books can be purchased at a local bookstore at prevailing prices. Students should bring with them as many supplementary texts as convenient.

Incidentals. A student's incidental expenses are largely what he allows them to be. Such expenses need not be heavy during the Summer Session.

EQUIPMENT FOR THE SUMMER

Buildings. With few exceptions all of the University buildings will be at the disposal of the summer session.

FACILITIES FOR STUDENT TEACHING DURING THE SUMMER SESSION

The College of Education of Ohio University adheres closely to the policy of the State Department of Education in requiring that student teaching be done before any diploma is issued by the University.

From four to eight hours of student teaching and three hours of Observation and Participation must be completed by a student before the two-year diploma or the B. S. in Education degree can be conferred. Student teaching credit will be transferred to the record of this institution from accredited colleges, but such credit will not entirely satisfy the requirement of Ohio University. In no case shall the student be excused from doing student teaching in the training schools of the University. Qualified supervisors, superintendents, and principals, however, may satisfy this requirement by doing actual supervision in the training schools in conjunction with the regular critic teacher.

Particular attention will be given this summer to the training of "critic teachers" and supervisors. Special facilities will be provided for actual supervision of student teachers by members of this group. Much of the work will be carried on in the training schools.

All of the training schools of the College of Education will be in session during the entire Summer Session. The City and Rural Elementary Training Schools, including the Kindergarten and Special Education classes, and the Junior and Senior High Schools, will offer opportunity for student teaching in accordance with the plans given below. Reservations for student teaching will be made in advance as long as places are available.

THE TRAINING SCHOOLS

The Elementary Training Schools will provide opportunity for observation and student teaching in the kindergarten and the six grades of the elementary school. The work of each grade is in charge of an expert critic teacher who teaches demonstration lessons and supervises student teaching in her grade. The schools are typical elementary schools in so far as the enrollment is concerned. The equipment compares favorably with that found in the best type of city elementary school.

The work offered the children during the summer will include physical education, sewing, arts and crafts, and other interesting and pleasurable educative activities.

As a part of the regular work a kindergarten is conducted where students may observe and obtain practical experience in all branches connected with such work.

A class in special education will be in session for regular work for the training of teachers of exceptional children. Opportunity will be given for actual work in the classroom and for instruction in methods adapted to this kind of school work.

The High Schools. The Junior and Senior High Schools will be in session during the nine weeks of the summer session. So far as is possible the curricula of the regular school year will be offered. Classes will be arranged in the Junior and Senior High Schools so that one-half of a unit can be obtained in one subject. The normal load will be two subjects.

Tuition. No tuition will be charged any pupil in any training school during the summer session.

THE BUREAU OF APPOINTMENTS

The Bureau of Appointments of Ohio University endeavors to act as a clearing house for all students and graduates of Ohio

University, but its largest field is that of seeking well equipped teachers for schools in need of them and recommending teachers who are seeking positions. It assists graduates and former qualified students of the University who desire to teach and at the same time is of service to superintendents and boards in need of competent instructors.

In making recommendations great care is exercised. Special qualifications of the various teachers for the particular positions are in every case fully considered. Records are kept of every detail of the student's qualification for teaching. These include the estimate of the University professors, of the scholarship, personality, strength of character, and general adaptability of the candidate; critical estimates of the student's teaching ability indicated by his student-teaching in the training schools; and the estimate of superintendents and supervisors under whom the student may have taught. The Bureau urges superintendents and school administrators to come to Athens in person whenever possible so that personal conferences with the University instructors and the conditions for teaching may insure mutual satisfaction and be a guarantee for efficient service.

Summer session students enrolled for the first time in this institution should not expect large service from this Bureau because there will be little opportunity for the judging of the ability of such an individual.

Chorus and Orchestra Participation

The opportunity for ensemble experience in musical organizations is afforded thru the Chorus and the Orchestra. Each group meets twice a week throughout the summer session. Those interested in the Orchestra should bring their instruments with them.

Expert in Psychology

Arrangements have been practically completed whereby Dr. E. Mira, Barcelona, Spain, will give courses in the Department of Psychology this summer. He is recognized in Europe as an expert in personnel problems.

Unusual Advantages

Besides having an opportunity to pursue systematically almost any study desired, under the direction of those regularly employed in this work, the student of the Summer Session enjoys the advantages of the acquaintance, friendship, and counsel of superintendents, principals, and others who are interested in education.

Summer Pleasures

There is no more attractive, beautiful, and inspiring natural scenery anywhere in the state than in the country surrounding Athens. Various excursions, short trips, picnics, and hikes to many points of interest are organized under direction of members of the faculty. While no official organization of these trips is made by the University authorities, nevertheless they are an enjoyable and valuable feature of a summer spent in Athens.

Arrival in Athens

On arrival in Athens, unless definite arrangements have been made concerning a lodging place, students should at once report to the Bureau of Information on the second floor, northwest corner of East Wing, the Office of the Alumni Secretary.

DEPARTMENTS OF INSTRUCTION

COURSES OF STUDY

The following courses of study are offered to meet the needs of students of both colleges—the College of Liberal Arts and the College of Education. All courses in the 100's and 300's are regular courses in the College of Liberal Arts; all in the 200's and 400's are regular courses in the College of Education. Many courses in one college will be accepted toward graduation in the other college. They are always accepted when there is no corresponding department in the other college, provided the required studies in the course in which one is enrolled allow their selection. The University reserves the right to discontinue any course if the students in it are few in number.

AGRICULTURE

439. **Diseases of Farm Crops.** This course aims to acquaint the student with ways and means of identifying the various diseases of farm crops and also methods by which these enemies are controlled. Credit, three hours. Mr. Wallace.

415. **Evolution and Heredity.** This is a study of the prominent theories of evolution and inheritance. Credit, three hours. Dr. Copeland.

416. **Evolution and Heredity.** This course is a continuation of 415. Credit, three hours. Dr. Copeland.

203. **Horticulture.** The work in this course is conducted on the laboratory and recitation plan, and aims to give a general knowledge of the problems that usually arise in the growing of fruits. Credit, three hours. Mr. Dunlap.

201. **Methods in General Agriculture.** This course will be devoted to problems encountered in the teaching of agriculture in rural and village schools. Credit, three hours. Mr. Wallace.

237. **Orchard and Garden Survey.** This is a field and laboratory course and plans to make a study of orcharding and gardening in southern Ohio. Credit, two hours. Mr. Wallace.

427. **Plant Breeding.** The aim of this course is to study

methods of plant improvement. Experiments and observations will be made in the college greenhouse and school garden. Credit, two hours. Mr. Dunlap.

413. **Plant Husbandry.** In this course studies are made of field selection, crop rotation, seed selection, and artificial fertilizers. Credit, three hours. Mr. Dunlap.

ART

201. **Art Education.** Elementary designing, object drawing, and working drawings, given as a preparation for teaching. Credit, two hours. Miss Klemm. Miss Bedford.

202. **Art Education for Intermediate Grades.** A continuation of Art Education 201. Art principles carried out in problems for grade work with suggestions for variation in connection with school, home, and community interests. Credit, one hour. Miss Klemm.

204. **Art Education for Early Childhood.** A continuation of Art Education 201. Art principles carried out in problems for the kindergarten and primary grades with suggestions for variations in connection with school, home, and community interests. Credit, one hour. Miss Bedford.

209. **Hand Work.** A course in Practical Arts. Variations of type problems in cardboard construction, clay work, raffia and reed work, coping saw work, etc. The course aims to aid teachers in illustrating through materials many of the child's interests, with industrial inferences. For teachers of intermediate grades and teachers of exceptional children. Special adaptations made for the different groups. Credit, two hours. Miss Bedford.

215. **Art Structure.** Simple exercises in space arrangement in the study of composition. Development of creative ability in terms of line, tone, and color. Credit, two hours. Miss Way.

217. **Art Structure.** Arrangement of line, dark and light, and color to produce fine quality spacing, proportion, subordination, and rhythm. Lettering, color theory, book plates, etc. For teachers, designers, and commercial advertisers. Credit, three hours. Miss Way.

445. Student Teaching of Art. This course is open to students having credits in advanced design or art structure methods of teaching art and observation of art teaching.

Lesson plans-conferences and student teaching in the training school. Credit, two hours.

451. Art Structure. Advanced work in principles of composition. Dark and light designs, and landscape and figure compositions. Fine historic examples used for illustrations. Credit, three hours. Miss Klemm.

465. Seminar. Research work. Collections of photographs, prints, etc., of fine examples. Application to teaching and supervising. Credit, one hour. Miss Way.

The Department of Art in the College of Liberal Arts offers instruction in drawing, and painting in oils, water colours and pastels. The student may work from still-life, casts, the living model and landscape—depending on his advancement.

Individual criticism is given. Four hours of work a week are required for one hour's credit. Miss Stahl.

BIOLOGY

104. Zoology, Chordate. This is the second-semester work in zoology. It is accepted for pre-med, biological, and physical education credit. Students not having had the first semester's work may register. The first semester's work in this course is given in alternate summers. Two successive summers thus complete the course. A study will be made of the chordate animals. The amphioxus, dogfish, perch, frog, and turtle are studied in the laboratory. Credit, three hours. Mr. Frey.

130. Sanitation. A study of health in its relationship to the environment. A study is made of the various diseases with methods of eliminating them. Some time is spent on the theory of vaccines and serums. Credit, two hours. Mr. Frey.

313. Bacteriology. A course dealing with the morphology and physiology of bacteria and the role which they play in industry, arts, and in medicine. The relationship between bacteria and health is always kept in mind. In the laboratory the student prepares media, grows the organisms, and studies their activities. This course should prove of interest to teachers, pre-

medic students, and general students. Credit, five hours. Mr. Frey.

CHEMISTRY

103a. **General Chemistry.** An introductory course in this subject. Six lectures and recitations each week. Credit, three hours. Mr. Gullum.

103b. **General Chemistry.** A laboratory course to accompany 103a. Four two-hour periods each week. Credit, two hours. Mr. Gullum.

104a. **General Chemistry.** The second semester course in this subject. Six lectures and recitations each week. Credit, three hours. Mr. Clippinger.

104b. **General Chemistry.** A laboratory course to accompany 104a. Four two-hour laboratory periods each week. Credit, two hours. Mr. Clippinger.

305. **Qualitative Analysis.** A general course in qualitative analysis dealing with the separation and identification of the metals. Two lectures and recitations each week and twelve hours laboratory work. Credit, three hours. Mr. Gullum.

317. **Organic Preparations.** A laboratory course in practical organic chemistry. Ten hours laboratory work each week. Credit, two hours. Mr. Clippinger.

CIVIC BIOLOGY AND BOTANY

415. **Botanical Research.** Arranged to meet the demands of advanced students in this field. Credit, two hours. Dr. Matheny.

205. **Civic Biology.** The greater portion of this course will be devoted to insects in their relation to man. Two sections. Credit, three hours. Dr. Matheny, Mr. Vermillion.

206. **Civic Biology.** The study of bird life and related topics. Two sections. Credit, three hours. Mr. Boetticher, Mr. Vermillion.

203. **Freshman Botany.** A general introductory course open to all beginners. Credit, three hours. Dr. Matheny.

411. **General Science.** A course intended to meet the needs of teachers of the subject. Both subject-matter and

methods of presentation are considered. Credit, three hours. Mr. Boetticher.

405. **Plant Pathology.** Structural studies of the plant disease fungi. Open to advanced students. Credit, three hours. Mr. Boetticher.

207. **Zoology.** Emphasis will be placed on the economic as well as the structural phases of this subject. Credit, three hours. Mr. Vermillion.

CIVIL ENGINEERING

The following courses will be offered, and arrangement may be made to take any of the courses at any hour between 7:00 and 12:00.

105. **Mechanical Drawing.** No previous knowledge of Mechanical Drawing is presupposed. Much attention is paid to lettering. The first semester's work consists of exercises in the use of the drawing instruments, geometric constructions, and orthographic projection. Sectional and auxiliary views are also studied. Credit, two hours. Mr. Addicott.

106. **Mechanical Drawing.** A continuation of Course 105. Isometric and Oblique drawings are studied with a view to their applicability in pictorial presentation. Detail and assembly drawings of standard machines are made and dimensioned. Floor plans and elevations of houses are drawn to acquaint the student with the reading of blue prints. Tracings and blue prints of these plans are prepared by the student. Credit, two hours. Mr. Addicott.

307. **Mechanical Drawing.** A more advanced course in drawing for those who desire to take up machine designing. Machine details, shafting, jigs and fixtures are studied by making scale drawings. Credit, one hour. Mr. Addicott.

308. **Mechanical Drawing.** A continuation of course 307 where drawings are prepared of both bevel and mitre gears, worm and wheel, plate and cylinder cams, and piping. Credit, one hour. Mr. Addicott.

309. **Perspective Drawing.** A study of the representation of an object as it would appear on the plane when viewed from

a point. The drawing of shades and shadows on objects and planes is also studied. Descriptive Geometry is a prerequisite to this course. Credit, two hours. Mr. Addicott.

Three hours of Drafting Room work are required for each hour of credit.

COMMERCE

100. Introductory Accounting. This is a beginning course planned for those who have had less than two years of Book-keeping in high school. The theory is presented by lectures and text books and it is applied in the solution of problems and in the writing of sets of books suitable for the simpler types of business. Six recitations per week. Credit, two hours.

303. Accounting. This course is open to students who have a grade of C or higher in Accounting 302. This course is designed to give practice in solving accounting problems, involving more points of difficulty than is encountered in solving the problems presented in the Sophomore courses. It is a further preparation for the more difficult problems presented in the Senior course in C. P. A. Practice and Problems. Credit, three hours. Mr. Fenzel.

306. Corporation Accounting. Open to students who have had Accounting 302. This course deals with the accounting connected with the organization, financing, management, dissolution, and reorganization of corporations. Credit, two hours. Mr. Copeland.

331. Banking Principles. The economics of currency and credit are reviewed as a basis for the development of the principles which govern the operations of individual banks and of the banking system. Principles are illustrated by a detailed discussion of the practical operation of different types of banking institutions and of the organization of the leading banking systems. The course includes a critical analysis of the theory of bank credit and the essentials of a sound loan policy. Prerequisite, a course in economics. Credit, three hours. Mr. Kimball.

338. Investments. This course covers the economic basis of investment, emphasizes the methods of analyzing the various

types of investment securities, and includes a study of bond houses, security price movements, and investment policy. Prerequisite, a course in economics. Credit, two hours. Mr. Kimball.

339. **Special Studies in Finance.** Provision is made for individual research in selected problems in banking and finance. Each student is required to undertake an investigation under the supervision of the instructor and to prepare a report based upon his readings and research. Admission by consent of the instructor. Credit, two hours. Mr. Kimball.

346.—**Principles of Marketing.** This course will be devoted to the study of the principles and policies of marketing agricultural and manufactured products. A detailed study of marketing institutions and the different marketing functions will be undertaken. Credit, three hours. Mr. Paynter.

349. **Principles of Salesmanship.** This course is a study of sales tactics and methods, giving consideration to the psychology of selling, buying motives, preparation of salesmen, prospecting, equipment, sales canvass, securing the interview, approach, demonstration, objections, closing, types of customers, qualification of salesmen. Prerequisite, Principles of Marketing. Credit, two hours. Mr. Paynter.

354. **Agricultural Marketing.** This course will consist of a detailed study of the methods of marketing the chief farm products. Much attention is given to the study of co-operative marketing and its place in the marketing of farm products. This course should be of interest to students of Agriculture and also to students of Commerce. Credit, two hours. Mr. Paynter.

357. **Field Work in Marketing.** Students who are majoring in marketing and who have completed their junior year with at least nine hours of marketing, are eligible for this course. The student must secure a position which meets the approval of the instructor. The amount of credit granted will depend on the nature of the work and on the quality of the reports that are handed in from time to time. Credit, two to six hours. Mr. Paynter.

161. **Stenography I.** This is a beginning course in the Gregg System. Credit, three hours. Miss Johnston.

166. **Typewriting.** Beginning class. One hour recitation and one hour of practice each day. Credit, two hours. Miss Johnston.

386. **Business Law.** This course deals principally with the law of negotiable contracts. It also includes the law of sales. Credit, three hours. Mr. Copeland.

190. **Geography of Commerce and Industry.** In this course a study is made of commercial conditions as they are found in various parts of the world as the result of certain physical and political influences, of the products of man's industries and commerce, and of the conditions of interdependence existing among different parts of the civilized world. Credit, three hours. Mr. Fenzel.

392. **Business Letter Writing.** This course offers training in the composition of effective business letters. Specialized problems provide practice in planning and writing various types of letters and letter series. Credit, two hours. Miss Johnston.

395. **Full Time Office Work.** Students in the A. B. in Commerce course may work eight to ten weeks in some bank or other important business office during the summer preceding the fourth year of their course. Semi-monthly reports are made of their experiences and a final thesis is required. Grades are based upon the reports, variety and value of the experience, the thesis, and the employer's estimate. Credit, three-fourths hour per week where the employment continues less than ten weeks. Maximum credit, eight hours. Applications for assignment to work under this plan should be made to C. M. Copeland, Director of the School of Commerce, not later than June 1, preceding the time of employment.

ECONOMICS

301. **Principles of Economics.** This is the first course in general economics. It presupposes no previous training in the subject. The course will begin with a description of the organization of production. It will then undertake to answer the fol-

lowing questions: How are prices fixed? What are the determinants of rent, wages, interest and profits? The course will conclude with a description of the organization of labor and a general statement of the strategy of trade unionism. Credit, three hours. Mr. Cherrington.

302. Principles of Economics. Four fields of economic organization will be examined in this course. (1) **Money and Banking,** A statement of the principles relating to money and banking will be followed by an analysis of the banking systems of the United States, France, Germany, Canada and England; (2) **Public Finance,** The principal emphasis will here be upon the theories and methods of taxation with as much attention to public expenditures as time will permit; (3) **Combinations and Trusts,** A statement of some of the chief methods of effecting monopoly will be followed by a brief survey of Federal legislation relating to "combinations in restraint of trade" and its interpretation in the courts; (4) **Transportation,** Attention will be given to transportation by air, rail, water and public highways. Prerequisite 301. Credit, three hours. Mr. Cherrington.

303. Current Economic Problems. The aim of this course is to provide information upon many current problems to those who will not find it convenient to take a variety of specialized courses in economics. Casual but critical examinations of numerous topics will therefore be undertaken. Sample topics are McNary-Hauganism, the tariff, the St. Lawrence waterway proposal, the so-called "Power Trust," the public and its utilities, the Coal Problem. Credit, two hours. Mr. Cherrington.

EDUCATION**KINDERGARTEN-PRIMARY**

202. **Permanent Play Materials.** Principles, methods of selection and use of play materials in the kindergarten and primary, individual and group activities. Toys, gymnasium and playground apparatus, building blocks and construction materials, pictures, housekeeping utensils, garden tools, printing press, planning equipment, budget making, etc. Laboratory fee, \$1.00. Credit, two hours. Miss MacLeod.

203. **Beginnings of Industrial Arts.** A study of the early manifestation of the art impulse and activities requiring the use of the industrial arts. Practical work with clay, paper, textiles, wood and sand. Laboratory fee, \$1.50. Credit, one hour. Miss Acomb.

207. **Fundamentals of Kindergarten-Primary Education.** A study of children's activities as a basis for the work of the school, also the influence of the biological and psychological principles of child development upon the organization and method of teaching in kindergarten, first and second grades; the activities which organize health, social, language and reading experiences, including the needs, objectives, materials and methods of teaching these subjects; the place of writing, spelling and number in the first and second grades. A brief survey of the daily program and the organization of the year's work will be made. Some observations in each of the above groups will be required. Credit, three hours. Miss MacLeod.

SPECIAL EDUCATION

216. **Curriculum and Methods for Special Classes.** A study is made of materials and subject matter which may be used to develop the very young special child, the older special child, the higher and the lower types; classroom procedure, equipment, rating and case studies, etc. Credit, three hours. Miss Bennett.

*Note—The Kindergarten is in session from 9:00 to 11:00. Observation is open to all. Student Teaching in Kindergarten is open to those who have had previous kindergarten training.

221. Research and Experimentation in Special Education. This course affords opportunity for the student to do individual research work in connection with the observation classes under the supervision and guidance of the director of Special Education. Credit, one hour. Miss Bennett.

237 and 238. Special Education Student Teaching. This course affords an opportunity for students to do student teaching in special classes under supervision and criticism. Credit, three hours. Five days a week as assigned from 8:00-11:00. Miss Bennett.

417. Research and Experimentation in Special Education. For advanced students. This course affords opportunity for the student to do individual research work in connection with the observation classes under the supervision and guidance of the director of Special Education. Credit, one hour. Miss Bennett.

437 and 438. Clinical Teaching. In this course the student uses the classes of Exceptional Children as a laboratory in which a study is made of the abilities and disabilities of the children and the hows and whys of learning in order to determine the best ways and methods of teaching. Open to Seniors in Special Education. Credit, three hours. Miss Bennett.

HISTORY, PRINCIPLES AND ADMINISTRATION OF EDUCATION

261. History of Elementary Education. A general course emphasizing the growth of the curriculum and the technique of the elementary schools. Open to those teaching in the elementary schools. Six recitations a week. Credit, three hours. Dr. Gard.

468. History of Education in the United States. The rise and development of public education in the United States will be treated. Open to juniors, seniors, and teachers of experience. Six recitations a week. Credit, three hours. Dr. Gard.

461. Principles of Secondary Education. An introduction to secondary teaching. A study of the purpose of high school instruction, economy in classroom management, types of learning and teaching, the influence of age on learning, the relation

of interest and differences in capacity to learning. Supervision of study, the art of questioning and measuring the results of teaching. Open to Juniors and Seniors. Credit, three hours. Dr. Job.

485. **School Administration.** A general course dealing with the principles of public school administration from the point of view of the superintendent and the board of education. Open to juniors and seniors who expect to teach or engage in administrative or supervisory work. Credit, three hours. Dr. Job.

487 **High School Administration.** A general course designed to meet the needs of students without teaching experience who expect to teach in the high school. The course should also serve as a general introductory course for those who expect to become high school principals. The course deals with the principles and problems in the organization and administration of the high school. The duties and responsibilities of the principal and the teacher relationships are given special emphasis. Open to juniors and seniors. Credit, three hours. Dr. Job.

265. **Teaching Reading in the Primary Grades.** A course planned to acquaint the primary grade teachers with the principles of methods of training pupils to read. It deals with the period of preparation for reading, the initial period of reading instruction, the period of rapid growth in fundamental attitudes, habits and skills. Scientific investigations are examined for their results as applied to the work of teaching. Four recitations a week. Credit, two hours. Dr. Hansen.

266. **Teaching Reading in the Intermediate Grades.**—As in course 265 the work deals with the principles of methods of teaching pupils to read effectively in grades four, five, and six. It begins with a general summary of the work in the primary grades, and considers the extension of the aims of these early periods. Remedial work is an important point considered. Four recitations a week. Credit, two hours. Dr. Hansen.

262. **Principles of Elementary Education.** An elementary course, intended for those without much acquaintance with elementary school work, and designed primarily to meet the State

Board of Education requirement for the Elementary Certificate. The course is a study of the principles underlying the selection of subject matter and the principles of the learning process applied to teaching elementary school subjects. Not open to Freshmen. Six recitations a week. Credit, three hours. Dr. Hansen.

289. The Elementary Curriculum. A study of the principles underlying the selection and organization of subject matter in the elementary school. There will be consideration of modern curriculum making intensively in one subject through examination of scientific studies, experimental classroom procedures, and type curriculums. Open to advanced under-graduates and other students who have had teaching experience. For such students it should be substituted where possible for Education 285. It is accepted as a substitute by the State Department of Education. Six recitations a week. Credit, three hours.

267. Educational Tests and Measurements: Elementary and Junior High School.—An introductory course dealing with the use of educational tests and scales in the elementary and junior high school grades. A study will be made of the problems involved in the administering and scoring of tests and in the interpretation of results. Sufficient attention will be given statistical methods to enable the student to analyze data and to understand some of the more important processes of test construction. Open to sophomores, juniors, and seniors. Four recitations a week. Credit, two hours. Dr. Sias.

465. Educational Tests and Measurements: High School. A course for students who have had more experience or are farther advanced in their college work than is required for 267. As a foundation for a better understanding of scientific testing in the high school grades, a rapid survey will be made of the use of educational tests and scales in the elementary grades, and the more essential principles of statistical method will be reviewed, assuming some previous knowledge of the subject. The major portion of the time, however, will be given to the detailed study of tests and scales used in the junior and senior

high school grades. Open to sophomores, juniors and seniors. Four recitations a week. Credit, two hours. Dr. Sias.

463. **The Junior High School.** A study of the development, organization, and administration of the junior high school, including careful consideration of objectives, the curricula, guidance program, methods of instruction, and student activities. Open to juniors and seniors. Four recitations a week. Credit, two hours. Dr. Sias.

285. **Classroom Management.** In this subject the mechanics of classroom procedure, such as organization, control, attendance, classification, promotion, the making of programs and reports, the keeping of records, teaching pupils how to study, the motivation of classroom work, types of the recitation, measuring the results of teaching, looking after the health of the pupils, and other routine factors are given careful consideration. In addition, throughout the course, special emphasis is placed upon classroom management as a social problem of large potential importance. That the class discussion may have a thoroughly practical aspect, the course is presented in connection with Education 232, Observation and Participation. It is suggested that students pursue both courses at the same time. Six recitations a week. Credit, three hours. Mr. Crow.

495. **Training School Problems.** This course is intended for critic teachers, demonstration teachers, and directors of student-teaching in Teacher-Training institutions, and for those desiring to prepare for such positions. It will be the purpose of this course to give consideration to the problems connected with the procurement, organization, and administration of demonstration and practice facilities. The following topics are representative of those which will be considered; the amount and kinds of laboratory facilities needed; the problems of securing laboratory facilities; the proper function of practice, demonstration, and experimental schools; the organization and training of the staff for such schools. Open to graduate students and to Seniors who have had successful teaching experience. Credit, two hours. Dr. Salisbury.

491. **The Supervision of Instruction.** Class and laboratory

6 hours. Students who are making special preparation for the work of a principal, general supervisor, supervisor of special subjects, supervisor of student teachers, and superintendents of schools should take this course. The topics considered are: (a) the field and conduct of supervision, principles of supervision, (b) techniques of supervision, (c) selection of subject matter, (d) objective measures of progress, (e) research for teachers, and (f) observation and evaluation of teaching. Open to Seniors, elementary principals and superintendents. Credit, three hours.

TEACHING AND OBSERVATION

232. Observation and Participation in the Elementary School. This course is a prerequisite to student-teaching Courses 233 and 234. The work in the course will be confined to the teaching field selected. The student will spend two hours daily throughout the Summer Session in the Training School. The work will include observation of the work of the demonstration teachers, participation in various class activities, weighing children, testing vision, participation in various management problems, playground supervision, lesson planning for each of the various types of teaching, and conference work. Credit, three hours. Dr. Salisbury and Miss MacLeod.

432. Observation and Participation in the Secondary School. This course is a prerequisite to the courses in Junior and Senior High School Student Teaching, 235 and 433. The student will spend two hours daily throughout the Summer Session in the Athens Junior and Senior High School. The course is devoted to observation of the work of demonstration teachers with participation in the various class activities and lesson planning for the various types of teaching. Featured in the courses are: The study of the plan in use at Ohio University, rules for observation, physical features of the teacher's work, getting acquainted with the pupils and the school, problems of managing the various phases of secondary school work, planning for the various types of teaching, directing the pupils in study, and the working out of a semester's course in a particular subject. Credit, three hours. Dr. Salisbury and Mr. Harshman.

233. **Student-teaching in Kindergarten and Primary Grades.** The student will teach one hour daily in Kindergarten, or First or Second grades, as assigned. In addition to the teaching there will be at least two hours each week of conferences with the supervisor. Credit, three hours. Open to Sophomores only. Dr. Salisbury and Miss MacLeod.

234. **Student-Teaching in Intermediate Grades.** The student will teach forty minutes daily in Third, Fourth, Fifth, or Sixth grade, as assigned. In addition to the teaching requirement, there will be at least two hours each week of conferences with the supervisor. Credit, two hours. Open to Sophomores only. Dr. Salisbury.

235. **Student-Teaching in Junior High School.** The student will teach one hour daily in the Junior High School, as assigned. The student must have adequate preparation in the methods and subject matter of the subject which he expects to teach. In addition to the teaching requirements, there will be at least two hours each week of conferences with the supervisor. Credit two hours. Open to Sophomores, Juniors, and Seniors. Dr. Salisbury and Mr. Harshman.

431. **Advanced Student-Teaching in Elementary and Junior High Schools.** Open to Seniors only. This course is for Seniors who are taking a four-year course in Elementary Education. The student will teach one hour daily during the Summer Session. This course will not be a duplication of the work done in Student-Teaching 233 and 234. The student in Advanced Student-Teaching will be expected to demonstrate her ability to do research work in curriculum problems, skillful teaching, and some demonstration work. Credit, two hours. Dr. Salisbury and Miss MacLeod.

433. **Student-Teaching in the High School.** Open to Seniors only. The student will teach one hour daily in the Senior High School. The teaching assignment will be in the field of his major interest, and is made only with the recommendation of the head of that department. In addition to the teaching requirement, there will be two hours a week of conferences with the supervisor. Credit, two hours. Dr. Salisbury and Mr. Harshman.

436. Supervisory Practice. This course is intended for advanced students who have had successful teaching experience and who desire to prepare for positions as critic teachers or supervisors. It will be the purpose of this course to give the student practice under expert supervision in performing the duties of a critic teacher. This practice work will include the following: supervising student-teachers in the Training School; conducting supervisory conferences with individual student-teachers and with groups; teaching demonstration lessons. This course should, if possible, be taken after the student has completed Course 495, and during the same semester that he is taking Course 496. Open to graduate students and to Seniors who have had sufficient successful teaching or supervisory experience. Credit, three or six hours. Dr. Salisbury, Miss MacLeod, and Mr. Harshman.

ENGLISH LANGUAGE AND LITERATURE

101. English Composition. (Required in College of Liberal Arts.) Theme writing and the principles of composition, oral and written. The emphasis is on exposition. Credit, three hours. Mr. Peckham.

102. English Composition. (Required in College of Liberal Arts.) A continuation of 101. Work will be mainly in description and narration. Themes twice a week. Texts, *Creative Prose Writing*, Jefferson and Peckham; and *Contemporary Short Stories*, Robinson. Credit, three hours. Mr. Peckham.

304. Survey of English Literature. A general study of the historical developments and types of English literature from 1744 to the present day. Prerequisite, 101 and 102. Credit, three hours. Mr. Peckham.

312. Modern Drama. Reading and discussion of the best modern and contemporary drama including both European and American plays. The principle dramatists considered will be Wilde, Pinero, Hauptmann, Sudermann, Rostand, Jones, Galsworthy, Shaw, Yeats, Synge, and O'Neill. Credit, two hours. Dean Chubb.

314. Contemporary Literature. An extensive reading

course in the best books of the present season. The aim of the course is to acquaint the class so far as possible with the best writers and books of today. A fee of four dollars will be charged to cover the cost of books. No text. Credit, two hours. Mr. Mackinnon.

315. English Prose Fiction. A lecture course in the development of the novel. Each student will read and review twelve novels. No text. Credit, three hours. Mr. Mackinnon.

315b. English Prose Fiction. A continuation of 315. Lectures and class discussions. The class will read and review a group of the best novels of the last twenty years. Credit, three hours. Mr. Mackinnon.

201. English Composition. (Required in College of Education.) Emphasis is placed upon practice in composition and upon methods of teaching the subject. Credit, three hours. Dr. Wilson, Mr. McQuiston, Mr. Foster, Dr. Heidler.

202. English Composition. (Required in College of Education.) A continuation of Course 201. Credit, three hours. Mr. McQuiston, Dr. Wray, Dr. Heidler.

203. American Poetry. Selected material from the representative. American Poets. Credit, three hours. Dr. Wilson.

206. English Essay, Victorian Period. Selections from Carlyle, Ruskin, Arnold, Pater, and others. Credit, three hours. Dr. Heidler.

208. Juvenile Literature. A study of myths, fables, fairy tales, suitable poems, and one epic. Method work. Credit, two hours. Miss Kahler.

409. Literary Appreciation. A study of literary forms and fundamental principles of literary criticism. The course is open to special students of English, and is largely planned to assist teachers of English in the high school. Credit, two hours. Dr. Wilson.

408. Methods of Teaching English in the Junior and Senior High School. A continuation of Course 407. The entire emphasis of the course is placed upon the teaching of composition in the high-school grades. Credit, two hours. Dr. Wray.

227. Teaching of Language in the Elementary School. The aims of this course are as follows: To discuss ends to be achieved in teaching language; principles underlying selection of subjects for writing; an outline of what knowledge of the mechanics of writing, what habits of correctness in their use, what knowledge of grammar, and what power in composition, oral and written, can be expected of children at different points in the grades; the relation of oral and written composition; methods of correcting errors. Credit, three hours. Mr. Foster.

200. Sub-Freshman Composition. A course planned for those whose preparation has been insufficient to meet the demands of Courses 201, 202. No credit.

GEOGRAPHY AND GEOLOGY

203. Geography and Environment. A practical and cultural course which develops the relationships and adjustments of man to his geographic environment. When followed by any other course in geography it fulfills the science requirement in the four-year courses of both the College of Education and the College of Liberal Arts. Juniors and Seniors or previous work in college geography. Six recitations. Credit, three hours. Dr. Cooper.

205. Geography of Europe. A course which will develop a method for teaching the geography of a continent as well as the content material for Europe. Six recitations. Credit, three hours. Miss Atwood.

207. Geography and Methods for Upper Grades. A general course in methods and professionalized subject matter as used from the sixth grade through the senior high school. Six recitations and several field trips. Credit, three hours. Dr. Cooper.

214. Geography and Methods for Lower Grades. A general course in methods and professionalized subject matter as used from grades one to five inclusive. Six recitations and several field trips. Credit, three hours. Miss Atwood.

401. Geography of Ohio. A course in the organization and presentation of state geography and the sources of materi-

als for such study. Four recitations. Credit, two hours. Dr. Cooper.

407. **Geographic Influences in American History.** A course intended to show the close correlation between the geography of our nation and the growth of its history. Especially adapted for majors in history. Six recitations. Credit, three hours. Miss Atwood.

GERMAN

101. **Beginning German.** This course covers the work of the first semester of German in Ohio University. It affords instruction in the fundamental principles of grammar, drill in pronunciation, some conversation, and the reading of easy German prose. Credit, three hours. Mrs. Matthews.

102. **Continuation of Course 101.** This course is designed for those who have had one semester's work in German at the University, or one year in the high school. It comprises a thorough review of German grammar and pronunciation, a considerable amount of reading, and some conversation. Credit, three hours. Mrs. Matthews.

303b. **Second Year German.** This course is planned for students who have had one year or more of college German (or two or more in the high school). It will be of such a nature as to fit the needs of those desiring either semester of second year German in Ohio University, or work in addition to the regular second year in college, and will not duplicate other courses given previously. Systematic training will be furnished in pronunciation, reading, translation, and formal composition. Credit, three hours. Mrs. Matthews.

HEALTH

201. **Principles of Health.** This course deals with personal, school, and community health; is designed especially for teachers, to assist them in carrying out health educational programs in their schools. Credit, three hours. Miss Druggan.

HISTORY AND GOVERNMENT

101. **Medieval European History.** Open to all students.

An introductory course based on a text, Thatcher and McNeal's *Europe in the Middle Ages*. Informal talks by the instructor. Class discussion. Credit, three hours. Dr. Harris.

102. **Modern European History.** Continuation of Course 101. Text, Schevill, *A History of Europe from the Reformation to the Present Day*. Credit, three hours. Mr. Jones.

311. **English History During the Tudor Period.** Open to Sophomores, Juniors, and Seniors. This course deals with the narrative and constitutional history of England during the 16th and 17th centuries. No true conception of the English people of today can be gained without a knowledge of these formative periods. Credit, two hours. Mr. Jones.

313. **French Revolution and Napoleonic Era, 1789-1815.** Open to Sophomores, Juniors, and Seniors. The story of the French Revolution. The rise and fall of Napoleon the Great. Credit, three hours. Mr. Jones.

315. **The Great War, 1914-1918.** Open to Juniors and Seniors. Credit, two hours. Dr. Harris.

323. **History of Civilization.** Open to Sophomores, Juniors, and Seniors. A survey of the whole story of man from the earliest times to the present day. The emphasis is on the development of culture or civilization rather than upon wars, governments, and dynasties. Credit, three hours. Dr. Harris.

201. **American History.** The political, social, and economic development of the United States from the colonial period through the Civil War. Open to all students. Credit, three hours. Mr. Hoover, Miss Field.

202. **American History.** Continuation of Course 201, with special emphasis on the recent history of the United States. Credit, three hours. Mr. Morrison.

204. **American Government.** The organization and administration of state and local government, with the government of Ohio used for purposes of illustration. Credit, three hours. Dr. Smith.

211. **Teaching History in Elementary Schools.** The development of history instruction in the schools; the objectives and

outcomes; courses of study; methods and materials for the several grades; testing results; and school problems related to history teaching. Credit, two hours. Dr. Smith.

213. **History of the South.** The purpose of the course is to give an understanding of the social, political, and economic conditions of the ante-bellum South. Topics: geography of the South; origins of the people; the South in the American Revolution; rise of political institutions and philosophy of the South; struggle between the tidewater region and the up-country; rise of the cotton states; expansion into the Southwest; ascendancy of the lower South; religion and education; plantation life; slavery system; transportation; role of the South in national affairs; sectional alliances; the drifts toward nationalism. Credit, three hours. Mr. Morrison.

406. **Constitutional Law.** The text and case method is used. All the leading cases on the subject are abstracted. Credit, two hours. Mr. Hoover.

412. **Teaching History in Junior and Senior High Schools.** The development of history instruction; objectives; selection and organization of materials; types of work; history tests; relation of history to other social subjects; other problems of teaching history. Credit, two hours. Dr. Smith.

408. **Spanish American History.** A course designed to show the growing relations between the United States and the Latin American Republics. Attention will be given to the work of Spain in establishing the Empire, the Struggle for independence, the social, political, and economic growth, and the new Pan-Americanism. Credit, two hours. Dean Johnston.

HOME ECONOMICS

465. **Child Development.** Physical care and training of the child from infancy through adolescence. Credit, two hours. Miss Patterson.

254. **Clothing Design.** Principles of design worked out in materials. Garments draped and modelled on dress form. Credit, two hours. Miss Morse.

251. **Clothing and Textiles.** Textile study, textile chemis-

try, construction of garments, hand and machine sewing. Credit, three hours. Miss Morse.

201. **Food and Its Preparation.** A study of principles involved in the selection and preparation of foods. Credit, four hours. Miss Patterson.

411. **Methods of Teaching Home Economics.** Discussion of various problems in Home Economics teaching; organization of courses of study; aids in teaching; surveys of text books. Credit, two hours. Miss Patterson.

418. **Interior Decoration.** Theory of color and application in home decoration. Furnishings from an economic and sanitary standpoint. Credit, three hours. Miss Morse.

INDUSTRIAL EDUCATION

209. **Cabinet Making.** Laboratory course. For advanced students or those who have had some experience in hand tool work. Two hours daily. Six days a week. Credit, three hours. Mr. Grones.

230. **Home Mechanics.** Class and Laboratory, 8 hours. The following hand activities will receive attention, carving, inlaying, caning, glazing, plumbing, brush making and electricity. Credit, two hours. Mr. Kinison.

225. **Mechanical Drawing.** Working Drawings and making of blue prints. Knowledge of mechanical drawing a prerequisite. Credit, one or two hours. Six to twelve hours a week. Mr. McLaughlin.

420. **Methods of Teaching the Manual Arts.** Class work. A study of shop room methods, lesson plans, problems and equipment. Six recitations a week. Credit, three hours. Mr. McLaughlin.

440. **Printing.** Class and Laboratory, 10 hours. Practice in the setting of type, imposition, proof-reading, correction of proofs, and the operation of presses. Class work includes a study of the history of printing, the manufacture of paper, the kinds of paper stock, printers' inks, type faces, and typographic design. Credit, three hours. Mr. Kinison.

227. **Sheet Metal Work.** Class and laboratory, 8 hours.

Problems in cutting, forming, soldering and brazing materials used in sheet metal construction, also method of developing various patterns. Credit, two hours. Mr. McLaughlin.

412. **Shop Methods and Equipment.** Class work. A detail study of arrangement, care, treatment and buying of industrial education equipment and supplies. Credit, two hours. Mr. McLaughlin.

206. **Wood Turning, Laboratory Course.** Practice in the various types of turning. Six double periods a week. Credit, three hours. Mr. Grones.

201. **Wood Working.** Class and laboratory work. A study of tool problems, and methods of presenting elementary wood work. Six days a week. Credit, two hours. Mr. Kinison.

JOURNALISM

334. **Reporting Practice I.** Problems in gathering and writing news under actual newspaper conditions will be met by students who will be assigned to general reportorial work on the *Athens Messenger*. Hours will be arranged for each individual after permission to enter the course is secured. Credit, two or three hours. Mr. Moore.

339. **Reporting Practice II.** This may be elected only by students whose work in Reporting Practice I has been satisfactory. A student will be permitted as far as possible to specialize in the particular field of reporting he desires. Credit, two or three hours. Mr. Moore.

341. **Editing Practice I.** Students will be assigned for copyreading on the *Athens Messenger*. Hours will be arranged for each individual after permission to enter the course is secured. Credit, two or three hours. Mr. Smiley. ?

342. **High School Journalism.** For those who wish to use the journalistic motive in conducting English composition classes and those who may want to direct the high-school newspapers. The fundamental principles of news writing and editing will be stressed. Credit, three hours. Mr. Lasher.

344. **Newspaper Reading.** This course will deal with the organization of the newspaper from the reader's point of view, bringing out the relationship of the newspaper to social, economic, industrial, religious, and educational problems. Credit, one hour. Mr. Lasher.

345. **Editing Practice II.** Students will be assigned for advanced copyreading on the Athens *Messenger*. Hours will be arranged for each individual after permission to enter the course is secured. Credit, two or three hours. Mr. Smiley.

346. **Reporting Practice III.** Credit, two hours. Mr. Moore.

349. **Book Reviewing.** Following a study of present day literary criticism, students will write reviews dealing with various types of contemporary literature, both fiction and non-fiction. Credit, two hours. Mr. Lasher.

LATIN

321. **Sallust's Catiline and Jugurtha.** The *Catiline* and selections from the *Jugurtha* will be read. Suitable for those who have had two years of Latin but open to more advanced students. Excellent material for parallel readings with Cicero's orations against Catiline. Also an opportunity for those who feel the need of an accredited review course. The work will be graduated to meet the needs of each individual. Credit, three hours. Mr. Hill.

318. **The Teaching of Latin.** Lectures and discussions on methods of teaching Latin in the high school, on the relation of Latin to English, on determining the comparative merit and choice of text books, and on important reference material for teachers of high school Latin. Some study of important principles of the language with the reading of portions of Caesar in illustration. Credit, two hours. Mr. Hill.

322. **Ovid, Selections from the Metamorphoses and the Fasti.** The selections from the *Metamorphoses* are intended to provide first hand acquaintance with one of our richest sources of classical mythology. In the latter part of the course the first book of the *Fasti* will be read for content and the light it

throws on our knowledge of the beginnings of Roman religion. Credit, three hours. Mr. Hill.

330. Special Work in Latin. This is intended to take care of the special needs of senior college or graduate students. Individual work will be done under careful guidance. Those interested should consult the instructor. Credit, one to three hours. Mr. Hill.

MATHEMATICS

121. College Geometry. This course is an extension of the geometry ordinarily given in the high school, and a development of modern geometry. It is an excellent preparation for those intending to teach mathematics in the high school, and offers a training in geometry that is of great value to every student of mathematics. The course may be taken by those entering with the usual high school credit. The subject matter comprises problems of construction, geometric loci, similar and homothetic figures, orthogonal circles, poles and polars, the problems of Appollonius, coaxial circles, and the problems of inversion. Credit, three hours. Dr. Reed.

101. College Algebra. A short review of factoring, fractions, simple equations, theory of exponents, followed by the theory of quadratic equations, the progressions, limits, infinite series, and theory of equations. Credit, three hours. Dr. Reed.

101a. Plane Trigonometry. The definitions of the trigonometric functions and the relations among them; the addition theorems, functions of the double and half angles; computations with logarithms and the solutions of the oblique triangles. Courses 101 and 101a are to be taken together except in classes where credit has already been secured in one of them. Credit, two hours. Dr. Reed.

207. Teaching Arithmetic in the Primary Grades. In this course consideration is given to methods of teaching the subject matter of the arithmetic curriculum in grades one, two, and three. The results of experimental studies and of recent developments in educational psychology are incorporated. Credit, three hours. Dr. Benz.

209. Teaching Arithmetic in the Intermediate Grades.

This course deals with methods of presenting the subject matter of the arithmetic curriculum in grades four, five, and six. It includes the results of experimental investigations. Standardized tests and mechanical drill devices are briefly treated. Credit, three hours. Dr. Benz.

403. Teaching Mathematics in the Senior High School.

This course is planned to acquaint teachers of secondary mathematics with the best methods of presenting this subject to pupils. The course applies to the teaching of algebra and geometry, the psychology of individual differences, habit formation and drill, and thinking and problem solving; the social uses of the subject matter of the secondary curriculum; the results of experimental studies in these fields. Credit, two hours. Mr. Pickett.

404. Teaching Mathematics in the Junior High School.

This course will develop a course of study that shall provide for the completion of arithmetic and an introduction to elementary algebra, plane geometry, and a few fundamental principles of trigonometry. The main emphasis of the course, however, is upon methods of teaching mathematics in the junior high school. Credit, three hours. Mr. Pickett.

413. The Supervision of Arithmetic.

A study of the application of the fundamental principles of supervision to the improvement of instruction in arithmetic. Special attention will be paid to the improvement of the course of study and classroom technique. Such topics as the following will be considered: theories of arithmetic supervision, supervisory tools and techniques in arithmetic, the aims of education as related to the arithmetic curriculum, textbook analysis and rating as a basis for selection, the social utility of various topics in arithmetic, the preparation of instructional material, the evaluation of courses of study, psychological analysis of arithmetical skills from the standpoint of the learning process, specifications for drill, the nature of arithmetical learning, the evaluation of teaching techniques in arithmetic, etc. This course intended for seniors and graduate students. Others must secure permis-

sion from the instructor before enrolling. Credit, three hours. Dr. Benz.

Students enrolling for the methods courses will be given a test in arithmetic early in the session. Those who show a lack of preparation will be required to take, without credit, an arithmetic review course, meeting daily at 1:00. They will remain in the methods class, but will not be granted credit for the methods course until the subject matter tests have been passed.

MUSIC

103. **Harmony.** Formation of major and minor scales; intervals, triads and their relations in close and open positions; harmonizing of melodies; inversions, cadences, sequences, passing and auxiliary notes; original work. Credit, two hours. Mr. Kresge.

104. **Harmony.** Continuation of 103. Credit, two hours. Mr. Kresge.

114. **Music History.** The subject matter of this course is that which is presented during the second semester of the academic year. It is not necessary to have had Music History 113 as a prerequisite to this course. Course 113 may be taken either by correspondence or at a subsequent summer session. Credit, two hours. Miss Cutler.

201. **School Music.** A fundamental course in school music involving elementary theory, ear training, tone production, and sight singing. Six recitations. Credit, two hours. Miss Hughes.

203. **Ear Training and Sight Singing I.** For students majoring in school music. Class, 6 hours. Credit, two hours. Miss Hughes.

208. **Folk Dances and Singing Games.** Class, two hours. Credit, one hour. Miss Hughes.

211. **Music Methods for Grade Teachers.** Class, four hours. The work in each of the first six grades is considered in detail. Credit, one hour.

213. **Music Appreciation for the Grades.** Class, two hours. Methods of presenting appreciation lessons in each of the first

six grades. Appreciative study of good music. Credit, one hour. Miss Hughes.

406. Chorus Conducting II. Class four hours. Choral material suitable for Junior and Senior High Schools is made familiar, and conducting experience is given. The art and science of conducting. Credit, one hour. Miss Danielson.

408. Music Methods for Junior and Senior High Schools. Class, six hours. Material used in high school and methods of presenting such material to high school students. Changing voice, testing and classifying voices, organization of ensemble groups. Administration of school music work in high school. High school music courses. Credit for applied music. Programs and how to present them. Credit, three hours. Miss Danielson.

412. Music Student Teaching Daily. Open to seniors in the School Music Department who have completed Music Observation 411 and who require credit in music teaching for graduation at close of summer session. Lesson plans, conferences, student teaching in the training school. Credit, one or two hours. Miss Hughes.

415. Music Systems. Class two hours. Comparative study of various systems in general use. Credit, one hour. Miss Danielson.

Chorus. Semi-weekly rehearsals for the preparation of a public performance of one of the standard oratorios or cantatas, subject to the securing of a proper balance of mixed voices. Credit, one hour. Mr. Robinson.

Orchestra. Semi-weekly rehearsals for the preparation of a public performance of selections from standard orchestral repertoire, subject to the securing of a proper balance of instrumentation. Credit, one hour. Mr. Ingerham.

Organ. Private instruction in organ for those having the required proficiency in piano. Credit, one hour. Mr. Robinson, Mr. Kresge.

Piano. Private instruction in pianoforte according to the individual ability of the student. Credit, one hour. Mr. Lekberg, Mr. Kresge.

Violin. Private instruction in violin according to the individual ability of the student. Credit, one hour. Mr. Ingerham.

Voice. Private instruction in all phases of voice culture, repertoire, etc. Credit, one hour. Mr. Robinson, Miss Cutler.

Practice hours in organ, piano, violin, and voice may be secured from the respective teachers of these subjects at registration time.

Application for membership in the University chorus should be made to Professor Robinson on registration day. The first meeting of the chorus will be Tuesday, June 18, at 6:30 P. M. in Memorial Auditorium.

Application for membership in the orchestra should be made to Professor Ingerham on registration day. The first meeting of the orchestra will be Wednesday, June 19, at 6:30 P. M. in Memorial Auditorium.

Fees (in addition to the regular registration fees):

1 lesson a week (organ, piano, violin, voice) -----	\$7.50
2 lessons a week (organ, piano, violin, voice) -----	12.00
2 lessons a week (harmony) -----	8.00
Practice hours on School of Music pianos (for one hour a day during the term) -----	2.00

Fees for students taking work in organ, piano, violin, or voice only (no academic work):

Fee for one lesson per week—

Registration -----	\$4.00
Music -----	7.50

Fee for two lessons per week—

Registration -----	\$7.00
Music -----	12.00

PHILOSOPHY

309. **American Philosophy.** A study of the philosophical background of American life and institutions, particularly as philosophy is related to our form of government, educational theory and practice, literature, religious beliefs, morals and national character. Credit, two hours. Dr. Gamertsfelder.

303. Introduction to Philosophy. An elementary treatment of the chief problems of philosophy. Such questions as the following will be discussed: The meaning of philosophy and its relation to the sciences, religion and life; the nature of experience, knowledge and reality; God, the soul, freedom, good and evil, and immortality; the philosophical meaning of evolution, realism, idealism, materialism, and pragmatism. Credit, three hours. Dr. Gamertsfelder.

307. Logic. An introductory study of the principles and methods of both deductive and inductive reasoning as employed in the special sciences, and in oral or written exposition and argumentation generally. Credit, three hours. Dr. Gamertsfelder.

PHYSICAL EDUCATION

201. Freshman Physical Education. (Men). Two sections each day. Includes calisthenics, apparatus, boxing, wrestling, games, etc. Credit, one hour. Mr. Trautwein, Mr. Grover.

(Women). Games, floor work, swimming, dancing. Six hours a week. Credit, one hour. Miss Rogers.

202. Freshman Physical Education. (Men). One section each day. A continuation of Course 201. Credit, one hour. Mr. Olson.

(Women). Continuation of Course 201. Meeting the second semester requirements. Credit, one hour. Miss Hatcher.

203. Sophomore Physical Education. (Men.) One section each day. An advanced course in floor work and games. Credit, one hour. Mr. Olson.

(Women.) Games, advanced tactics, floor work, swimming, dancing. A more advanced class than 201. Six hours a week. Credit, one hour. Miss Rogers.

204. Sophomore Physical Education. (Women.) Continuation of 203. Credit, one hour. Miss Rogers.

207. Methods in Physical Education. (Men and Women.) One section two days a week. A course designed for grade and high school teachers. This course will include a program of

Physical Education suitable for the public school. Both theory and practice. Credit, one hour. Mr. Bird.

208. **Kinesiology. (Men and Women.)** A course in applied anatomy dealing with the principal types of muscular exercises, with inquiry as to how they are performed, how they react on the body, and their relation to the problems of bodily development, bodily efficiency, and the prevention and cure of certain defects and deformities. Credit, three hours. Mr. Giauque.

212. **Scouting. (Women.)** Credit, two hours. Miss Rogers.

223. **Hygiene. (Women.)** A course aiming to give a student knowledge of personal and social health problems and pelvic anatomy. Credit, two hours. Miss Hatcher.

405. **Formal Gymnastics. (Men.)** One section each day. This course includes light and heavy apparatus, mass athletics, and recreational games. Credit, one hour. Mr. Olson.

412. **Theory of Play. (Men and Women.)** One section four days a week. This is a comparative study of the most important theories and the significance of play in a social racial development. Selection of games for the various ages, etc. Credit, two hours. Mr. Bird.

413. **Athletic Training. (Men.)** First Aid. One section meets four days a week. Consists of theories of massage, athletic training, and first aid. Credit, two hours. Mr. Olson.

415. **Theory of Orthopedic Gymnastics. (Men and Women.)** A study of the cause of postural defects and their treatment by exercise and other means, together with the methods of administering the work of correction. Credit, three hours. Mr. Giauque.

416. **Coaching of Basketball. (Men.)** Two sections four days a week. Credit, two hours. Mr. Trautwein.

417. **Coaching of Football. (Men.)** Two sections four days a week. Credit, two hours. Mr. Trautwein.

418. **Coaching of Baseball. (Men.)** One section two days a week. Credit, one hour. Mr. Trautwein.

420. Coaching of Track. One section two days a week. Credit, one hour. Mr. Giaouque.

422. Organization and Administration. (Men and Women.) One section four days a week. Physical education in elementary and secondary schools, colleges, and normal schools. Athletic management, sportsmanship, etc. Credit, two hours. Mr. Bird.

433. Athletic Officiating. (Men.) Theory and practice of officiating football and basketball. Credit, one hour. Mr. Grover, Mr. Trautwein.

435. Scouting. (Men.) One section four days a week. This course includes both the theory and practice of Boy Scout work. Credit, two hours. Mr. Giaouque.

PHYSICS AND ELECTRICAL ENGINEERING

The Department of Physics offers in the Summer Session courses to meet varying needs, as follows: (a) the regular second semester freshman course, giving three units,—or four units, when taken with the laboratory work—to apply on medical school requirements, or on the six hours required in Physical Science for graduation, or to afford the opportunity to teachers of the subject to acquire a better knowledge of Physics than they already possess; (b) a course in the methods of teaching Physics, for teachers and prospective teachers of Physics in the high school; (c) an elementary descriptive treatment of the modern automobile,—how the parts are made, what they are for, and how they work; (d) a popular elementary study of the apparatus, methods, and principles of radio reception, for anyone owning a radio set, or interested in the subject in any way—no prerequisites; (e) a junior course in electrical engineering, designed to be completed in the summer session in order to lighten the load in the next regular semester, and also to afford an elective for those majoring in Physics; (f) an advanced course in radio, for junior engineers, and others who may be qualified, a second semester course especially offered in the summer to lighten the second semester load for engineers.

104. Freshman and Premedic Physics II. Class discus-

sions, demonstrations and problems on the topics of magnetism, electricity and light. Arranged for all who have had a preparatory course, as well as those who have not, and to apply on premedic requirements, or the general college requirement of six hours Physical Science; also for high school teachers and others desiring a more intensive, though elementary, knowledge of Physics. Credit, three hours, or if taken with 103a below, four hours. Mr. Atkinson.

103a, 104a. Freshman and Premedic Laboratory Courses, corresponding to the class course 104 Electricity, Magnetism, Light, given this summer (Freshman II), and to 103 of last summer. Fifteen well-chosen experiments in each course. Time in the laboratory to be arranged. Credit for each course, one hour.

120. Methods in Physics. A course in the teaching of Physics. Recitations and discussions on the value of Physics as a study, and on its place in the curriculum; objectives in teaching Physics in the high schools; selection of subject matter and order of treatment; method of approach in teaching beginners; the place of class demonstrations and the selection of proper apparatus; the relative importance of laboratory work and the type of experiments to be used; the organization of the laboratory, the planning of the course, and the selection and purchase of equipment. Credit, two hours. Mr. Atkinson.

313. Elementary Radio. At the present time there is a widespread interest in radio telephone communication, and among those who own radio sets or who expect to own them, and among those, as well, who merely "listen in" occasionally, there are many who wish to know more of the "why" and the "how" of those mysterious waves which so completely occupy the ether through the night and day hours. To all such this popular course is offered.

The course considers in an elementary way the apparatus for reception, the methods in practice and the fundamental principles involved in radio reception of speech and music. Also a brief consideration is given to methods and principles of transmission.

Some of the particular subjects covered are: the simple re-

ceiving circuit; action of crystal detectors; a study of the construction and operation of the vacuum tube; amplifying speech or music; regenerative and heterodyne reception; neutralization; operation of radio sets directly from the house lighting circuit. Credit, two hours. Mr. Green.

313a. Laboratory Course. Designed to show the practical application of the principles discussed in course 313. The work includes the construction and operation of at least one set. Measurement of wave length, calibration of a wave meter, determining the working characteristics of both crystals and vacuum tubes, etc. It is advisable to take this course at the same time as the theory course. Credit, one hour. Mr. Green.

329. The Modern Automobile. A simple descriptive explanation of all parts of the gasoline automobile—what they are for and how they work. A splendid course for everybody, man or woman, who owns, drives, repairs, or even merely rides occasionally in an automobile. Credit, two hours. Mr. Atkinson.

321. Electrical Engineering II. A first semester course for electrical engineers, scheduled in the junior year. It is a study of electrical and magnetic circuits, including magnetization curves, electromagnetic induction, electrostatics; direct current machinery with emphasis on generator and motor characteristics, armature reaction and commutation; rating, guarantees and efficiencies.

Offered in the summer that students in Ohio University, or other institutions, may lighten their work in the regular semesters, thus insuring the completion in four years of the engineering work scheduled, and also making it possible to secure better grades and more points in that work. Credit, three hours. Mr. Green.

321a. Electrical Laboratory II. This course parallels 321. Measurements will be made of the earth's magnetic field and other magnetic fields; induced electromotive forces, B-H curves and permeabilities; temperature coefficients of resistance, electric meters, resistance measurements by bridge, potentiometer, etc.; e. m. f. and capacity measurements by different methods;

ballistic methods for transients; insulation measurements; self and mutual induction. Credit, two hours.

314. **Radio Engineering Principles.** This course constitutes an advanced second semester radio course. Non-engineering students may elect this radio course if properly qualified, thereby advancing their knowledge of the principles of radio and the physical and electrical properties and characteristics of radio circuits, tubes and apparatus.

This is really a course in advanced radio engineering and is required of electrical engineers in the third year. It is offered in the summer on the same basis as 321 described just above. Others may take the course by arrangement.

The treatment will include consideration of fundamental electrical and magnetic theory; the properties of oscillatory circuits, the principles of radiation, the properties and application of damped and undamped waves; characteristics of the three-electrode tube, and its operation as a detector, amplifier and oscillator; methods of modulation and control; directional antennae. Prerequisites, high school physics and mathematics and one year of college work, except by special permission. Credit, three hours. Mr. Green.

314a.—**Radio Laboratory.** An experimental course accompanying 314, including the measurement, under varying conditions, of the characteristics of three electrode tubes as detectors, and as amplifiers; measurement of amplifying factors, plate resistances, etc. Credit, one hour. Mr. Green.

PSYCHOLOGY

201. **General Psychology.** This course is designed to give the student a knowledge of the most important facts, laws and methods of investigation of human mental life. Practical applications to problems of everyday life will be emphasized. The text used, perhaps more than any other recent one, is written simply and concretely, laying stress on the learning process in actual situations in the outside world as well as in school work. Credit, three hours. Mr. Anderson, Mr. Gentry.

205. **Child Psychology.** This course will consider the mental processes of the child particularly from five to adolescence.

Topics considered are the hereditary and environmental factors, the sensory and perceptual life of the child, play, curiosity, imagination, memory, imitation, language, art and musical expression, moral nature, discipline, punishment, etc. Experimental studies in child psychology will be emphasized as part of the course. Credit, three hours. Dr. Porter.

207. Educational Psychology. The primary purpose of this course is to help the student to master the elementary but significant problems and principles commonly accepted by experts as fundamental to good teaching. Discussion and lecture follow actual testing of, and experimentation with, the concrete problems of learning and teaching as found in school subjects, individual differences, and in many ways in which individuals influence each other. Credit, three hours. Dr. Lehman, Dr. Stoke, Mr. Gentry.

211. Psychology and Hygiene of Adolescence. The present literature bearing upon adolescence will be surveyed with emphasis on the more recent scientific investigations. The interests, abilities and native tendencies of youth are to be given special attention. The more important phases of mental hygiene in its bearing on adolescence will also form a major division of the course. The course aims to give the junior and senior high school teacher a better understanding of the mental life, and problems of the individual at this most interesting age. Credit, three hours. Mr. Gentry.

212. Exceptional Child and Hygiene of Childhood. This course will be concerned with the study of children who vary considerably from the normal in some regard. On the one hand those children likely to be socially maladjusted, such as the blind, deaf, feeble-minded, psychopathic, delinquent, etc., will be studied. On the other hand the course will consider those children who are exceptionally endowed or "gifted." In addition to lectures and reading, the class will attend special clinics and visit various institutions in the state caring for some of the socially handicapped children. Credit, three hours. Dr. Stoke.

419. Mental Measurements. The methods of testing intel-

ligence as worked out by Binet, Terman, and others by individual tests will be demonstrated first by the instructor and later by members of the class. Group intelligence tests will be treated in the same manner. Lectures and discussion will follow rather than precede actual experience in testing. Application of the results of recent investigations in the measurement of intelligence and other mental traits to school and other social problems such as promotion, methods of instruction, and individual diagnosis and treatment will be emphasized. Credit, three hours. Dr. Stoke, Mr. Anderson.

428. Seminar: Psychology of Personality and Minor Problems. A special study will be made of the most significant recent attempts to analyze the factors of personality in children, teachers and parents. Objective tests, graphic and other scales as well as other experimental procedures in the study of personality will be emphasized. Credit, two hours. Dr. Porter.

412. Abnormal Psychology and Mental Hygiene. The nature of mental adjustments made by man to adapt himself in a normal way to the requirements of modern life; the deviations from the normal leading to the maladjustments which must be considered as abnormal; the relation between the mental processes of primitive man, the child, dream-life and mental disease; the theory, application, and limitations of psychoanalysis, the experimental methods giving useful results for the study of abnormal mental development to individual and social life. Credit, three hours. Dr. Porter.

432. Personnel and Vocational Psychology. Topics dealt with in this course will be chosen with reference to their bearing on personnel problems and vocational problems to be met in industrial, commercial and educational work. Each student will be expected to work out a minor problem bearing on occupational interests, aptitudes or selection and training. Credit, three hours. Dr. Lehman.

PUBLIC SPEAKING

103. Public Speaking I. A beginning course. Speaking as an aid to success in public life, in business, and in the pro-

fessions. Control of audiences; elements of interest; training in leadership. Elements of public speaking. Credit, two hours. Mr. Cooper.

105. The Short Speech. A beginning course. Designed to aid the student, the teacher, and the business man in the preparation, and the delivery of the following short speech types: Introducing a speaker; Speech of Welcome and Response; Nomination speech; after dinner speech; Extempore speech; Sales talk. Three hours. Mr. Cooper.

204. Oral Expression. Required in Kindergarten-Primary course. A study in the oral presentation of subject matter. One hour. Mr. Cooper.

104. Public Speaking II. An advanced course. A study of the qualities of a speech and speaker that interest an audience; of the motives that impel men to action; of the elements that make a speaker convincing; of the psychology of the audience, the crowd, and the mob. Effectiveness in speech. Three hours. Mr. Cooper.

ROMANCE LANGUAGES

French 101-102. This is a course for beginners, and covers the work of the first year of French in Ohio University. Students are expected to take both courses simultaneously, but those who have credit for the first semester may register for 102 only, if they wish, selecting either the first or the second hour of recitation. It is advisable for such students to be present the full two-hour period each day, however, as a systematic review is generally necessary where some time has elapsed since the first semester was taken. Two hours daily. Credit, six hours. Dr. Wilkinson.

French 303s. This course is designed for students who have had one year or more of college French. It will be of such nature as to fit the needs of those desiring either semester of second-year French in Ohio University, or work in addition to the regular second year in college, and will not overlap or conflict with other courses given previously. Stress will be laid upon pronunciation; and a general grammar review will be included in the form of regular and systematic exercises in com-

position. The course is recommended especially to teachers or prospective teachers who would like a thorough review. One hour daily. Credit, three hours. Dr. Wilkinson.

Spanish 101-102. This course is intended for students who have no knowledge of the language. During the course, the essentials of grammar will be covered, with emphasis on pronunciation, drill in verbs, and considerable translation into Spanish. As soon as the progress of the class permits, a reader will be introduced and simple conversation in Spanish employed. Students are expected to take both courses simultaneously, but those who have credit for the first semester may register for 102 only, if they wish, selecting either hours of recitation at their convenience. It is advisable for such students to be present the full two-hour period each day, however, as a systematic review is generally necessary where time has elapsed since the first semester was taken. Two hours daily. Credit, six hours. Mr. Blanco.

Spanish 303s. This course is designed for such students as have had one or two years of college Spanish. It will be of such nature as to fit the needs of those desiring either semester of second-year Spanish in Ohio University, or work in addition to the regular second year in college, and will not overlap or conflict with other courses given previously. Special attention will be given to students desiring work of an advanced nature. The course will include grammar review, practice in composition, an introduction to Spanish literature, and as much conversation in Spanish as is feasible. The course is recommended especially to teachers or prospective teachers who would like a thorough review. One hour daily. Credit, three hours. Mr. Blanco.

SOCIOLOGY

The courses offered in this department are designed to develop in the minds of students an intelligent appreciative interest in the general problems of moral and social well being. Sociology may be defined as the science of interdependent and integrated living and the art of making harmonious and helpful adjustments in the various relationships of life.

201. **Educational Sociology: Introduction.** A discussion of education as a social process conditioned by social groups and institutions, social attitudes and values; the pupil as a person and a member of various groups; the sociological basis of teaching and classroom organization; the sociological aspects of the curriculum; the school in its relation to the community. Credit, two hours. Mr. Jeddloh.

211. **Introductory Rural Sociology.** A course designed primarily for those preparing to teach in rural schools. It will deal in a general way with conditions and influences which shape rural life and effect the welfare of rural people. Credit, two hours. Mr. Bing.

212. **The Rural Life Movement.** In this course a brief study is made of the forces which may be and which are being employed to improve, enrich and enoble American rural life. Special emphasis is placed upon the reorganized and redirected rural school. Credit, two hours. Mr. Bing.

203. **Principles of Sociology.** The purpose of this course is to direct the student in a comprehensive survey of the most important problems and principles in the general field of sociology and to give him a working use of the chief concepts employed as instruments of sociological analysis and interpretation. Ross's *Principles of Sociology*, will be the principal text but numerous and extensive references to other standard texts will be made. Not open to Freshmen. Credit, three hours. Dr. Ash.

204. **Principles of Sociology.** A continuation of Course 203. Not open to Freshmen. Credit, three hours. Dr. Ash.

402. **Community Organization and Problems.** A fairly intensive study of the technological factors in various types of neighborhoods and communities, such as location, economic factors, areas of service, influence of communication and transportation, and the nature and distribution of the population; a survey of social relationships involving a sociological analysis and critical evaluation of various interest groups, religious and educational institutions, co-operative undertakings, provision for health and recreation, etc.; constructive suggestions for

improved community organization in specific communities; a study of methods and techniques of community analysis, scoring, comprehensive surveys, methods of publicity for the enlistment of co-operative effort, theories and concrete examples of developing morale and leadership. Credit, three hours. Mr. Jeddeloh.

409. **History of Social Thought.** A general survey of the theories and ideals about society that have been held by thinkers at various periods in the world's history. Students electing this course will be expected to have taken courses in both history of education and history of philosophy and at least one year in sociology. Credit, three hours. Dr. Ash.



