

Vol. XXVII, No. 6

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# University of Arizona Record

UNIVERSITY EXTENSION DIVISION

## CORRESPONDENCE COURSES

ANNOUNCEMENT OF COURSES  
1934-1935

*"The University Extended into Your Community"*

PUBLISHED BY  
**University of Arizona**  
TUCSON, ARIZONA



**University of Arizona -- Extension Division**  
**APPLICATION FOR INSTRUCTION**  
 (Please fill out completely)

1. Name in full.....  
(Please print)  
 Maiden name.....  
(For married women)
2. Present address.....  
 Town..... State.....
3. Permanent address.....
4. Place of birth..... Date.....
5. Have you registered before at U. A.?.....
6. Have you ever attended U. A. Summer School?.....
7. Have you undertaken Correspondence or Extension  
 Class work here before?..... Date.....
8. Present occupation.....
9. To what library have you access?.....

**SCHOLASTIC RECORD**

	Name of Institution?	Years Attended?	Grad. or Degrees?
High School			
Normal			
College			
Other than above			

**CORRESPONDENCE COURSES DESIRED**

Title of Courses	Course Numbers	Units	Registration Fees At \$5.00 per unit

I am enclosing (money order) (check) made out to the University Extension Division, University of Arizona, Tucson, Arizona, for \$..... covering registration fees.

Date..... Signed.....

(Duplicates of this blank will be sent on request)



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# CORRESPONDENCE AND EXTENSION CLASS FACULTY

## ADMINISTRATION STAFF

Shantz, Homer LeRoy, Ph.D., Sc.D.....President of the University  
Vosskuhler, Max. P., M.S.....Director  
Gray, Dorothy .....Secretary  
McCarty, Esther, A.B.....Stenographer

## INSTRUCTION STAFF

Brown, Elmer J., Ph.D.....Professor of Business Administration  
and Economics  
Boldyreff, Alexander W., Ph.D....Assistant Professor of Mathematics  
Caldwell, Mary Estill, Ph.D.....Associate Professor of Bacteriology  
Carpenter, Edwin F., Ph.D.....Associate Professor of Astronomy  
Carrington, Herbert D., Ph.D.....Professor of German  
Caster, Jay E., Ph.D.....Assistant Professor of Psychology  
Clampitt, Audrey Camp, M.A.....Assistant Professor of Piano  
Clarson, James W., Jr., Ph.D.....Professor of Secondary Education  
Conrad, Frederick A., Ph.D.....Associate Professor of Sociology  
Davis, Richard N., M.S.....Associate Professor of Dairy Husbandry  
Dudley, Sarah E., M.A.....Associate Professor of English  
Fowler, Frank H., Ph.D.....Professor of Classical Literature  
Fraps, Clara Lee, M.A.....Instructor in Archaeology  
Frazier, Allegra, M.A.....Professor of English  
Graesser, Roy R., Ph.D.....Associate Professor of Mathematics  
Houghton, Neal D., Ph.D.....Professor of Political Science  
Howard, Russell M., Ph.D.....Professor of Business Administration  
Hubbard, Howard A., Ph.D.....Professor of History  
Klemmedson, Linne D., M.S.....Associate Professor of Agricultural  
Education  
Lantz, Edith M., M.A.....Assistant Nutrition Chemist  
Larson, Emil L., Ph.D.....Professor of Education  
Leonard, Raymond J., Ph.D.....Professor of Geology  
Lockwood, Francis C., Ph.D.....Professor of English  
McGinnies, William G., Ph.D....Associate Professor of Range Ecology  
Mewborn, A. Boyd, M.S.....Instructor in Mathematics  
Miller, Nelle, M.A.....Assistant Professor of Mathematics  
Nichols, George R., M.A.....Assistant Professor of Spanish  
Pattison, Sidney F., M.A.....Professor of English  
Picard, Olive G., M.A.....Assistant Professor of Home Economics  
Repp, Austin C., Ph.D.....Associate Professor of Education  
Schmidt, Andrew B., M.A.....Associate Professor of Economics  
Schneck, Maximilian R., Ph.D.....Professor of Philosophy and  
Psychology  
Schultz, Ernest J., B.S.....Professor of School Music  
Scott, Everett L., Ph.D....Associate Professor of Animal Husbandry  
Simley, Ole A., Ph.D.....Assistant Professor of Psychology  
Smith, Howard V., M.S.....Assistant Professor of Agricultural  
Chemistry  
Tremblay, Napoleon J., Ph.D.....Assistant Professor of French  
Tucker, William J., Ph.D.....Professor of English  
Walker, John F., Ph.D.....Professor of Educational Psychology

# UNIVERSITY EXTENSION DIVISION

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## PURPOSE AND AIMS

The purpose of the University Extension Division is to make available, as largely as possible, to every community and every individual in the State the advantages of general equipment, educational training, and specialized information represented on the University campus.

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## ORGANIZATION FOR SERVICE

### DEPARTMENT OF EXTENSION INSTRUCTION

#### BUREAU OF CORRESPONDENCE COURSES

For the convenience of those who are unable to attend the University a well rounded curriculum is offered at a nominal fee in selected subjects carrying regular college credit. Approximately one-half of the requirements for the bachelor's degree may be met through correspondence or extension class courses. Teacher recertification requirements may also be met through such courses.

#### BUREAU OF EXTENSION CLASSES

Local extension classes are organized under the direction of the University Extension Division in some of the larger communities of the State. A request from ten or more prospective students will usually be deemed sufficient for considering the organization of a class in a selected subject carrying regular college credit. A nominal registration fee is charged for all courses.

### DEPARTMENT OF PUBLIC SERVICE

#### BUREAU OF DRAMATICS AND SPEECH

Advice and help are offered in organizing dramatic clubs, and in the solution of specific problems of any nature encountered in choosing and staging plays. A loan library of current plays, drama literature, and readings, is available. All plays and books are lent for a period of two weeks. Borrowers pay the parcel post charges on all shipments of materials. The Arizona High School Speech Arts League has been organized to promote intelligent discussion of vital questions, and, together with intramural and inter-scholastic activities in extemporaneous speaking, oratory, dramatic and humorous reading, and one-act plays to stimulate the practice of good public speaking among the young people in the high schools. This service is conducted in cooperation with the division of Speech of the University.

#### BUREAU OF LECTURE AND LYCEUM SERVICE

Lecturers can be secured for commencements or other special occasions. Speakers can also be provided for educational lectures or lecture courses. This service is free, but the organization receiving this service is asked to meet the lecturer's traveling and subsistence expenses. University talent is represented in lectures, readings, music, dramatics, and related arts, will be introduced to interested communities of the State as often as opportunity permits.

**BUREAU OF LIBRARY EXTENSION**

Library packages, made up of materials bearing upon vital current topics, are available. These packages consist of books, pamphlets, and newspaper and magazine clippings; they are lent for periods of two weeks. Reading guides are available covering a wide range of the world's best literature, biography, and history, as well as trades, industries, and sciences. These guides have been prepared by the United States Bureau of Education and the American Library Association. They are designed for the benefit of persons who, without thought of college credit, desire to pursue reading along definite lines. A nominal fee will be charged for the pamphlets. This service is conducted in cooperation with the University Library.

**BUREAU OF PUBLICATIONS**

Authentic information concerning the University is disseminated regularly. All University publications are edited and published by the Bureau.

**BUREAU OF VISUAL EDUCATION**

Moving pictures and stereopticon slides are available upon payment of a nominal rental or service charge, to anyone equipped with suitable projectors. Exhibitors pay the express or parcel post charges on all shipments of pictures.



## CORRESPONDENCE COURSES

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Although the direct or residence method of instruction is superior in some respects, the correspondence method presents a number of advantages which makes it particularly suited to the needs of the serious student who is actively interested in the mastery of his studies.

Some of the more apparent advantages of correspondence instruction are that a correspondence course may be begun at any time and completed without interruption as rapidly or as slowly as desired. The student may concentrate upon one course at a time; he is unhampered by limitations of time in studying or reciting, or by the rate of a class through the course. Every part of each assignment is covered thoroughly, individual attention being given to each student, which insures the mastery of the course. The recitations take written form, giving training in logical thinking and arrangement of data, and developing the student's ability of expression. Writing the recitations helps the student to remember the significant points of the course, and the written assignments give it permanent form, easily accessible for future reference. Moreover, correspondence study, seriously undertaken, develops in a marked degree the student's initiative, self reliance, accuracy, and above all, his perseverance.

### GENERAL INFORMATION

Correspondence courses do not offer a short cut; they are organized to coincide as closely as possible with the corresponding courses offered in residence at the University, and are usually given by instructors having charge of similar residence courses. The chief merit of such courses is that they offer the isolated student, the teacher, the housewife, and the business man, the opportunity and advantage of pursuing studies for college credit under University tutelage during spare hours at home.

A correspondence course is presented in a number of assignments, ordinarily fifteen assignments for a 2-unit course, and twenty for a 3-unit course. Approximately six hours of preparation are expected on each assignment, since an assignment represents approximately a week's work in residence.

Each assignment contains full directions for study, including references to the texts, necessary suggestions or assistance, and questions to be answered by the student.

Upon the satisfactory completion of a correspondence course, including a final examination, regular college units of credit will be granted. (A unit of credit represents one class period per week for a semester, and assumes three hours of application.)

Units of credit, earned through correspondence in any of the courses listed in this bulletin, may be presented in partial or complete fulfillment of the requirements for the granting or renewal of teaching certificates in Arizona. Correspondence credits in education courses 109, 121, 131 and 160 are accepted in partial fulfillment of the requirements for the Administrative Certificate. Credit in the correspondence course National and State Constitutions is accepted by the State Board of Education in fulfillment of the law requiring each teacher to pass an examination in this subject.

From time to time, as demand warrants, new correspondence courses will be added to the list offered. It is advisable for students to request the Extension Division to offer new courses especially desired, since a real demand must be evinced for a course before it will be regularly offered in the correspondence schedule.

## REGULATIONS

Correspondence courses may be begun at any time and may be completed as rapidly as the character of the work will permit. Students are allowed a maximum of twelve months from date of registration to complete the work for which they have registered. If work is not completed within the allotted time, a time extension may be gained through the payment of a nominal fee for each course.

No preliminary examinations or general prerequisites are required for registration in correspondence courses except in certain advanced courses. Credit will not be granted in those courses requiring prerequisites unless satisfactory evidence is presented that such prerequisites have been fully met. If the correspondence student should later matriculate at the University he must, of course, comply with the requirements for admission to residence courses.

Students may register for as many courses at a time as they feel they can pursue with profit; ordinarily, however, it is better to register for and complete one course at a time.

Correspondence courses may not be undertaken by a student while in regular attendance at an institution of learning without the knowledge and written consent of the authorities of such institution. Students taking residence work at the University of Arizona may not register for correspondence courses without the written permission of the Registrar. Such permission must accompany the application for correspondence instruction before registration will be accepted.

Students who are under suspension from the University of Arizona for any reason whatever may not register for correspondence courses until the period of suspension is over.

A final examination must be passed satisfactorily in each course before credit is awarded; this examination may be taken either at the University or in the student's home town under conditions approved by the University Extension Division.

A maximum of sixty units of credit, earned through correspondence courses, may be applied toward a bachelor's degree; but the Extension Division does not necessarily undertake to furnish that number of suitable units to each applicant.

The University Extension Division reserves the right to reject any registration if it feels that the best interests of the student or of the Extension Division will not be served through such registration.

## REGISTRATION PROCEDURE

The prospective student should detach the application for instruction blank on the third page of this bulletin and give fully the information requested. (Additional application blanks may be secured at any time by writing the University Extension Division.)

Desired correspondence courses should be clearly listed; the application should then be mailed to the University Extension Division with the required fee to cover registration.

If the registration is rejected, the fee will be returned, and the student notified. If it is accepted, a receipt and the first few assignments of the course will be sent to the student, remaining assignments being sent as needed.

In case of a change in the mailing address of a student, the Extension Division should be notified immediately, so assignments may be returned to the student promptly.

## FEES

Registration fees for correspondence courses are arranged on the basis of the number of units in a given course, at a rate of \$5 per unit. Thus a 2-unit course requires a registration fee of \$10 while a 3-unit course requires \$15.

In case work is not completed within twelve months of the time of registration, a time extension of twelve months from date of registration expiration may be secured through the payment of a "time extension" fee of \$2 for each course. This time extension privilege may be exercised only within six months from date of expiration of the original registration.

A fee of \$2 will be charged for changing an enrollment from one course to another. Changes in enrollment may be made only within six months from date of original registration and provided no work has been done by the student on the original course. Should a student receive a failing grade on the final examination and be granted the privilege of taking a second, a fee of \$2 will be charged for the accommodation. The second examination must be taken before the expiration of the original registration.

Fees will ordinarily not be refunded because of a student's inability or unwillingness to pursue a course which he has begun. If no work has been done on a course and the student wishes to withdraw his registration all fees will be refunded with the exception of a sum of \$2 to cover registration costs. Such refund of fees will be made only if the registration is withdrawn within six months from date of original registration.

## TEXTS AND SUPPLIES

Students are expected to purchase their own texts and supplies. These should be ordered directly from the Cooperative Book Store, University of Arizona, Tucson, and will be supplied through C.O.D. parcel post. Prices of texts and supplies quoted in this bulletin are f.o.b. Tucson; parcel post charges on all shipments of texts and supplies are to be paid by the students.

To secure uniformity in submitted assignments and to save postage, a light paper has been adopted, 8½ by 11 inches in size, especially adapted for correspondence manuscripts. A notebook accommodating this paper has also been adopted. Orders for this notebook and paper will be filled by the Cooperative Book Store through C.O.D. parcel post at the following prices: paper, ninety sheets, plain 50c; notebook, cardboard \$1; notebook, leatherette \$1.60.

Supplementary texts for parallel reading or reference in assignments may often be borrowed by writing directly to the University Library, University of Arizona, Tucson.

## ANNOUNCEMENT OF COURSES

## AGRICULTURE

## 2-C. Dairy Fundamentals. (2 units) R. N. Davis

Profitable dairying, and dairy sanitation; properties of milk; operation of cream separators; testing milk; and butter making. An additional unit of credit may be obtained if the student later attends the University and completes the laboratory work ordinarily given in connection with this course. (Fifteen assignments. Registration fee, \$10.)

Text: *Principles of Dairying*, by Judkins and Smith, John Wiley and Sons (\$3).

## 101-C. Soil Physics. (3 units) H. V. Smith

The formation, genesis and classification of soils; the suitability of various types for agricultural purposes; the physical properties of soils and their measurement; physical properties of soils related to the chemical and biological activity of the soil and their relation to crop production; soil colloids and organic matter as related to physical properties; soil moisture; soil air and temperature inter-relationships. An additional unit of credit may be obtained if the student later attends the University and completes the laboratory work ordinarily given in connection with this course. (Twenty assignments. Registration fee, \$15.)

Text: *The Nature and Properties of Soils* (Revised Edition), by Lyon and Buckman, Macmillan Co. (\$3.50).

References: Assigned bulletins from various agricultural experiment stations (supplied by University Extension Division).

## 114-C. Feeding Livestock. (3 units) E. L. Scott

Selection and use of feeds for special purposes; balanced rations; methods of feeding and experimental work in feeding livestock. (Twenty assignments. Registration fee, \$15.)

Text: *Feeds and Feeding* (Nineteenth Edition), by Henry and Morrison, Henry-Morrison Co. (\$4.50).

References: Experiment Station and U. S. Department of Agriculture bulletins (supplied by University Extension Division).

## ARCHAEOLOGY

## 1a-C. Anthropology I. (3 units) Clara L. Fraps

Development of primitive man on the Eastern Hemisphere. Origin and growth of man's social, religious, and political institutions. (Twenty assignments. Registration fee, \$15.)

Text: *Our Prehistoric Ancestors*, by Cleland, Coward-McCann, Inc. (\$5).

## 1b-C. Anthropology II. (3 units) Clara L. Fraps

Brief survey of the early history of man in America, his origin, widespread distribution over the two Americas and subsequent cultures. A study of the Mound Builders of the Mississippi valley, early man in the Southwest, and advanced cultures of Mexico and South America complete the story of man's advancement toward civilization in the New World before the conquest of the Spaniards. (Twenty assignments. Registration fee, \$15.)

Text: No one text is used in this course, and it is suggested that no one attempt the course without access to a library.

## ASTRONOMY

## 1a-C. Descriptive Astronomy I. (2 units) E. F. Carpenter

A non-mathematical cultural course. General perspective of modern views of the structure of the stellar universe and of the place of man and of the earth in it. The solar system: The earth and the other planets, meteors, and comets. (Fifteen assignments. Registration fee, \$10.)

Text: *Astronomy* (Second Edition), by Baker, D. Van Nostrand and Co. (\$3.75).

## 1b-C. Descriptive Astronomy II. (2 units) E. F. Carpenter

A non-mathematical cultural course. General perspective of modern views of the structure of the stellar universe and of the place of man and of the earth in it. The sidereal system: The sun and the stars, nebulae, the island universes. (Fifteen assignments. Registration fee, \$10.)

Text: *Astronomy* (Second Edition), by Baker, D. Van Nostrand and Co. (\$3.75).

## BOTANY

## 1-C. General Botany. (2 units) W. G. McGinnies

A general study of the structure of plants and the functions of the structures. A brief survey of the development of plants from the simplest to the complex forms. The nature of cell division and heredity is taken up. An additional two units of credit may be obtained if the student later attends the University and completes the laboratory work ordinarily given in connection with this course. (Fifteen assignments. Registration fee, \$10.)

Text: *Botany* (Second Edition), by Robbins and Rickett, D. Van Nostrand and Co. (\$3.75).

## 6-C. Plant Ecology. (2 units) W. G. McGinnies

A general study of plants in relation to their environment, with special reference to structure of vegetation, plant succession, and the physical factors governing the habitat. Prerequisite, General Botany I. An additional two units of credit may be obtained if the student later attends the University and completes the laboratory work ordinarily given in connection with this course. (Fifteen assignments. Registration fee, \$10.)

Text: *Plant Ecology*, by Weaver and Clements, McGraw-Hill Book Co., Inc. (\$5).

## BUSINESS ADMINISTRATION

## 31a-C. Principles of Accounting I. (3 units) R. M. Howard

Fundamental principles of accounting developing the theory of debits and credits as applied to the ledger accounts, books of original entry, adjusting and closing the books and related problems. Special consideration is given to the preparation of financial statements, the use of work sheets, the interpretation of statements by means of important ratios, the handling of cash commercial paper, discounts, receivables, purchases, sales, controlling accounts, inventories, cost of goods sold, and depreciation in a sole proprietorship business. Adapted to the needs of adult beginners having no previous bookkeeping experience, who desire in a short time to secure the necessary training to operate successfully a modern set of books. Also adapted to the needs of students who have had some bookkeeping experience. (Twenty-five assignments. Registration fee, \$15.)

Text: *Hadley's Pathfinder Course in Executive Accounting, Part One*, by LeDeuc, Morton and Gordon, Hadley School of Executive Accounting (\$10.50).

## 31b-C. Principles of Accounting II. (3 units) R. M. Howard

A continuation of Principles of Accounting 31a, which is a prerequisite to this course. Full consideration is given to the accounts and records of a mercantile business having five departments operating as a partnership which is later incorporated. Abundant practice is given in the adjusting of partnership accounts, distribution of earnings to partners, dissolution of a partnership, full procedure of incorporating stock companies with par value and no par value stock, system building with a modern chart of ledger accounts, routing business vouchers in such a manner that a perfect internal check is provided, safeguarding cash receipts, control of cash disbursements, imprest funds, departmental merchandising accounts, stock control, costing sales by lines, the use of modern unit records; that is, cash received, check record, invoice record, sales record, and journal. Charts and diagrams assist the student in mastering the recording of business transactions as found in present day business enterprises. The student is prepared to understand the many accounting system manuals now available illustrating and describing accounting procedure used in specialized lines of business. (Twenty-six assignments. Registration fee, \$15.)

Text: *Hadley's Pathfinder Course in Executive Accounting, Part Two*, by LeDeuc, Morton and Gordon, Hadley School of Executive Accounting (\$13).

## CLASSICAL LITERATURE

## 1a-1C. Beginners' Course in Latin I. (2 units) Frank H. Fowler

An elementary course designed to cover the ground commonly covered in the first half of the first semester's college work. (Fifteen assignments. Registration fee, \$10.)

Text: *First Latin Lessons* (Revised), by Scott and Horn, Scott, Foresman and Co. (\$1.20).

## 1a-2C. Beginners' Course in Latin II. (2 units) Frank H. Fowler

This course is a continuation of Beginners' Course in Latin I. Beginners' Course in Latin I and II cover the first semester's work in college. (Fifteen assignments. Registration fee, \$10.)

Text: *A Second Year Latin Reader* (Revised), by Sanford and Scott, Scott, Foresman and Co. (\$1.60).

## 1b-1C. Beginners' Course in Latin III. (2 units) Frank H. Fowler

Designed to cover the ground commonly covered in the first half of the second semester's college work. (Fifteen assignments. Registration fee, \$10.)

Text: *A Second Year Latin Reader* (Revised), by Sanford and Scott, Scott, Foresman and Co. (\$1.60).

- 1b-2C. Beginners' Course in Latin IV. (2 units) Frank H. Fowler  
This course is a continuation of Beginners' Course in Latin III. Beginners' Course in Latin III and IV cover the second semester's work in college. (Fifteen assignments. Registration fee, \$10.)  
Text: *A Second Year Latin Reader* (Revised), by Sanford and Scott, Scott, Foresman and Co. (\$1.60).
- 2a-1C. Roman Literature, Elementary Course I. (2 units) Frank H. Fowler  
The reading of selections from the writings of Cicero. Prerequisite, Beginners' Course in Latin 1b or its equivalent. (Fifteen assignments. Registration fee, \$10.)  
Text: *Orations of Cicero*, by Moore and Barss, Ginn and Co. (\$2).
- 2a-2C. Roman Literature, Elementary Course II. (2 units) Frank H. Fowler  
This course is a continuation of Roman Literature, Elementary Course I. Roman Literature, Elementary Course I and II cover the first semester's work of the second year in college. (Fifteen assignments. Registration fee, \$10.)  
Text: *Orations of Cicero*, by Moore and Barss, Ginn and Co. (\$2).
- 2b-1C. Roman Literature, Elementary Course III. (2 units) Frank H. Fowler  
The reading of selections from the writings of Virgil. (Fifteen assignments. Registration fee, \$10.)  
Texts: *Virgil's Aeneid, Books I-VI*, by Fairclough and Brown, Benj. H. Sanborn and Co. (70c); *Latin Grammar* (paper text edition), by Elmer, Macmillan Co. (\$1.50).
- 2b-2C. Roman Literature, Elementary Course IV. (2 units) Frank H. Fowler  
This course is a continuation of Roman Literature, Elementary Course III. Roman Literature, Elementary Course III and IV cover the second semester's work of the second year in college. (Fifteen assignments. Registration fee, \$10.)  
Texts: *Virgil's Aeneid, Books I-VI*, by Fairclough and Brown, Benj. H. Sanborn and Co. (70c); *Latin Grammar*, (paper text edition), by Elmer, Macmillan Co. (\$1.50).

## ECONOMICS

- 1a-C. Introduction to Economics I. (3 units) E. J. Brown  
The fundamental structure and principles which underlie economic and business life. Some of the topics considered are: Value and price, monopolies, business organization, money and banking, international trade, and foreign exchange. (Twenty assignments. Registration fee, \$15.)  
Texts: *Elementary Economics, Vol. I* (Revised Edition), by Fairchild, Furness and Buck, Macmillan Co. (\$2.50); *Questions and Problems in Economics* (Revised Edition), by Haskell and Taylor, Macmillan Co. (75c).
- 1b-C. Introduction to Economics II. (3 units) E. J. Brown  
This is a continuation of Introduction to Economics 1a. Questions considered include distribution, interest, rent, wages, profits, taxation, and plans of social reform such as profit sharing, single tax, cooperation, and socialism. (Twenty assignments. Registration fee, \$15.)  
Texts: *Elementary Economics, Vol. II* (Revised Edition), by Fairchild, Furness and Buck, Macmillan Co. (\$2.75); *Questions and Problems in Economics* (Revised Edition), by Haskell and Taylor, Macmillan Co. (75c).
- 6-C. Introduction to Business. (3 units) A. B. Schmidt  
An introductory survey of the fundamental characteristics and functions of modern business. Main divisions of this course are business organization, finance, production, marketing, labor relationships, business men's associations, and business and government. A representative list of cases to illustrate modern methods and problems of American business is studied. (Twenty assignments. Registration fee, \$15.)  
Texts: *Introduction to Business Management*, by Maynard, Weidler and Reyer, The Ronald Press Co. (\$3.75); *Introduction to Business, A Case Book*, by Gilbert and Gragg, McGraw-Hill Book Co. (\$3); A Syllabus or Workbook.

## EDUCATION

- 101-C. Modern Education. (3 units) J. W. Clarson, Jr.  
 Representative features of public education in America; its organization, its administration, its policies, and its techniques. Planned to meet the needs of prospective teachers, of teachers in service seeking professional advancement and a renewed acquaintance with modern education, and of non-teachers who want a general overview of the educational system. (Twenty assignments. Registration fee, \$15.)  
 Text: *An Introduction to Education and the Teaching Process*, by Adams and Taylor, Macmillan Co. (\$2.50).
- 108-C. Rural Education. (3 units) J. W. Clarson, Jr.  
 This course offers help in understanding and solving the problems of rural education. Intended primarily for rural teachers, it should prove valuable also to rural principals and supervisors, county superintendents, and all others interested in the promotion of effective rural education. The early part of the course deals with those factors that have made rural life and education what they are today. On this as a basis the latter part points out how the teacher and the school can best meet the needs of present rural communities. The course throughout is concrete and practical. (Twenty assignments. Registration fee, \$15.)  
 Texts: *Rural Life and Education* (Revised Edition), by Cubberley, Houghton Mifflin Co. (\$1.90); *Every Day Problems of the Country Teacher*, by Lowth, Macmillan Co. (\$2); *Arizona School Law* (supplied by State Superintendent of Public Instruction, Phoenix, Arizona).
- 109-C. Vocational Education. (2 units) L. D. Klemmedson  
 This course offers assistance in the understanding of the theory and practices of vocational education. Problems of vocations are considered from the standpoint of the individual, of the group of individuals organized for a particular purpose, and of economic society as a whole. Consideration is given to purpose, content, methods of teaching, and school organization, with a view to proposing a unified program of vocational education. This course may be applied toward the requirements for the Administrative Certificate. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Education and Vocations*, by Eaton, John Wiley and Sons, Inc. (\$2.50); *Vocational Education in a Democracy*, by Prosser and Allen, Century Co. (\$2.75).
- 111-C. History of Education. (3 units) E. L. Larson  
 Educational movements and leaders of special significance in the development of present educational systems and theories. Greek and Roman education, early and medieval Christian institutions, the rise and development of universities, the Renaissance, the Reformation, humanism, and realism will be considered from the standpoint of their educational effects. The stages in the development of national systems of education in Germany, France, England, and America will receive definite treatment. Especial attention will be directed toward the growth of the public school system in the United States. The work of Comenius, Rousseau, Pestalozzi, Herbart, and Froebel with their permanent educational contributions will be studied. Present tendencies and expansions will also be considered. (Twenty assignments. Registration fee, \$15.)  
 Text: *The History of Education*, by Cubberley, Houghton Mifflin Co. (\$3.50).
- 121-C. The Elementary School. (3 units) E. L. Larson  
 The purpose and curriculum of the elementary school. Accepted and proposed aims, analysis and evaluation of objective studies, and proposals concerning the elementary-school course of study. Rating scales for elementary-school courses and the scoring of several courses by means of these scales. A defensible curriculum for the elementary school will be proposed and considered. This course may be applied toward the requirements for the Administrative Certificate. (Twenty assignments. Registration fee, \$15.)  
 Texts: *Modern Methods and the Elementary Curriculum* (Revised Edition), by Phillips, Century Co. (\$2.50); *Course of Study for Elementary Schools of Arizona* (supplied by the State Department of Education, Phoenix, Arizona).
- 131-C. The High School (Secondary Education). (3 units) J. W. Clarson, Jr.  
 For all preparing for teaching or for administrative work in secondary schools. The purpose of the high school; the high-school student body; the relationship between the high school and the elementary school; and between the high school and the college; the junior high school; the curriculum

of the high school and a comparative study of foreign school systems. This course may be applied toward the requirements for the Administrative Certificate. (Twenty assignments. Registration fee, \$15.)

Text: *Secondary Education*, by Douglas, Houghton Mifflin Co. (\$2.75).

151-C. Educational Psychology. (3 units) J. F. Walker

How to bring about most certainly and economically the changes in the behavior of the individual which are desirable in the educational process. The native equipment of the child. Processes involved in building upon or changing this equipment; selection of general principles of learning, a summary of methods for the measurement of progress in school subjects. Prerequisite, Elementary Psychology 1a, or its equivalent. (Twenty assignments. Registration fee, \$15.)

Texts: *Educational Psychology*, by Sandiford, Longmans, Green and Co. (\$3); *Educational Psychology*, by Pintner, Henry Holt and Co. (\$2.50).

154-C. Statistical Methods in Education. (3 units) J. F. Walker

Elementary methods of dealing quantitatively with school data and data resulting from experimental investigations. (Twenty assignments. Registration fee, \$15.)

Text: *Statistics in Psychology and Education*, by Garrett, Longmans, Green and Co. (\$3.50).

157-C. Educational Measurements in High School (3 units)

A. C. Repp

The principles underlying the construction and use of good examinations. Some of the better types of standardized tests will be studied. Particular stress will be placed upon the use of examinations as teaching instruments, from the teacher's viewpoint as well as from a supervisory angle. (Twenty assignments. Registration fee, \$15.)

Texts: *Educational Measurement in High School* (1930 Edition), by Odell, Century Co. (\$3.25); *The Objective or New Type of Examination*, by G. M. Ruch, Scott, Foresman and Co. (\$1.50).

160-C. School Administration. (3 units) J. W. Clarson, Jr.

Principles of school administration applied to the problems arising in villages, towns, and small cities. Intended primarily for principals, supervisors, and superintendents. Topics include organization, general and specific administrative duties, supervision, and community relationships. This course may be applied toward the requirements for the Administrative Certificate. (Twenty assignments. Registration fee, \$15.)

Text: *Fundamentals of Public School Administration*, by Reeder, Macmillan Co. (\$2.25).

## ENGLISH

1a-C. English Composition. (3 units) Allegra Frazier

Textbook study, exercises and frequent practice in theme writing. The student should have free access to a good dictionary—either Webster's Collegiate Dictionary or the Collegiate Standard Dictionary is recommended. (Twenty assignments. Registration fee, \$15.)

Texts: *Practical English Composition* (Special Edition, 1931), by Jones, Century Co. (\$2); *Practical English Exercises*, by Jones, Century Co. (50c).

6-C. Modern Grammar and Modern Usage. (3 units)

Allegra Frazier

Presupposes a good elementary knowledge of the parts of speech and sentence analysis. Varied functions of words, phrases, and clauses in sentences. Stress is placed upon points of grammar likely to give trouble. The student will need a textbook and a syllabus of the diagramming system to be employed. In addition, easy access to the use of some standard unabridged dictionary is imperative. (Twenty assignments. Registration fee, \$15.)

Text: *English Grammar*, by Blount and Northup, Henry Holt and Co. (\$1.25).

29b-C. American Literature. (3 units) F. C. Lockwood

Wide reading of drama and poetry. The course aims to interpret the spirit of America through its literature, and, on the other hand, to show how American ideals have been influenced by our men of letters. (Twenty assignments. Registration fee, \$15.)

Texts: *Representative American Dramas National and Local*, by Moses, Little, Brown and Co. (\$3.50); *Modern American Poetry* (Fourth Revised Edition), by Untermeyer, Harcourt, Brace and Co. (\$2.50).



- 104a-C. Story Writing. (3 units) Sarah Dudley  
Elementary study of theory, with analysis of typical stories and practice in writing stories. (Twenty assignments. Registration fee, \$15.)  
Texts: *Twenty-five Finest Short Stories* (College Edition), by O'Brien, Long and Smith, Inc. (\$2); *Weaving the Short Story* (College Edition), by Bement, Long and Smith, Inc. (\$2.25).
- 126a-C. Survey of English Literature I. (3 units) S. F. Pattison  
An outline course, tracing the main tendencies in English literature from the beginnings to the close of the Eighteenth Century. (Twenty assignments. Registration fee, \$15.)  
Texts: *A Book of English Literature* (Revised Edition), by Snyder and Martin, Macmillan Co. (\$3.50); *History of English Literature*, by Neilson and Thorndike, Macmillan Co. (\$1.60).
- 126b-C. Survey of English Literature II. (3 units) S. F. Pattison  
A continuation of Survey of English Literature I, carrying the study down to the present day. (Twenty assignments. Registration fee, \$15.)  
Texts: *A Book of English Literature* (Revised Edition), by Snyder and Martin, Macmillan Co. (\$3.50); *History of English Literature*, by Neilson and Thorndike, Macmillan Co. (\$1.60).
- 131a-C. Shakespeare. (3 units) S. F. Pattison  
A study of eight Shakespearean plays—two comedies, two histories, and four tragedies—and of the facts of Shakespeare's life, the age in which he lived, and the theatrical and literary history of his time. Prerequisite, Survey of English Literature 126a and 126b. (Twenty assignments. Registration fee, \$15.)  
Texts: *The Facts About Shakespeare*, by Neilson and Thorndike, Macmillan Co. (\$1.50); the Shakespearean plays (Arden Edition): *Much Ado About Nothing*; *Henry IV, Part I*; *Henry V*; *Romeo and Juliet*; *Macbeth*; *Othello*; *Antony and Cleopatra*; and *The Tempest*, D. C. Heath and Co. (60c each).
- 134-C. Modern Drama. (3 units) S. F. Pattison  
The study of twenty representative dramas from Ibsen to Barrie, with more intensive study of three dramas that are typical of the three periods prevailing during the last seventy-five years. (Twenty assignments. Registration fee, \$15.)  
Texts: *Twenty-five Modern Plays* (Text Edition), by Tucker, Harper and Brothers (\$3.75); *A Doll's House*, by Ibsen, Samuel French (35c); *Candida*, by Shaw, Brentano (75c).

## FRENCH

- 1a-1C. Elementary French I. (2 units) N. J. Tremblay  
A course for beginners in which grammar, composition, and reading are emphasized. Elementary French may be undertaken only when satisfactory arrangements for acquiring pronunciation can be made by the student, such as private instruction, or residence with French-speaking people. An oral examination may be required upon completion of the course before credit is allowed. (Fifteen assignments. Registration fee, \$10.)  
Texts: *Brief French Grammar*, by Fraser, Squair and Carnahan, D. C. Heath and Co. (\$1.60); *Petits Contes de France* (1929 Enlarged Edition), by Méras and Roth, American Book Co. (85c).
- 1a-2C. Elementary French II. (2 units) N. J. Tremblay  
This course is a continuation of Elementary French I. Elementary French I and II cover the first semester's work in college. (Fifteen assignments. Registration fee, \$10.)  
Texts: *Brief French Grammar*, by Fraser, Squair and Carnahan, D. C. Heath and Co. (\$1.60); *Petits Contes de France* (1929 Enlarged Edition), by Méras and Roth, American Book Co. (85c).
- 1b-1C. Elementary French III. (2 units) N. J. Tremblay  
This course covers the ground ordinarily covered in the first half of the second semester's college work. (Fifteen assignments. Registration fee, \$10.)  
Texts: *Brief French Grammar*, by Fraser, Squair and Carnahan, D. C. Heath and Co. (\$1.60); *Monte Cristo* (Spiers Edition), by Dumas, D. C. Heath and Co. (80c).

- 1b-2C. Elementary French IV. (2 units) N. J. Tremblay  
 This course is a continuation of Elementary French III. Elementary French III and IV cover the second semester's work in college. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Brief French Grammar*, by Fraser, Squair and Carnahan, D. C. Heath and Co. (\$1.60); *Monte Cristo* (Spiers Edition), by Dumas, D. C. Heath and Co. (80c).
- 3a-1C. Advanced French I. (2 units) N. J. Tremblay  
 This course undertakes the study of grammar, composition, and reading of Mérimée and Victor Hugo. Opportunity for practice in pronunciation and conversation must be available to the student. Prerequisites, Elementary French 1a and 1b, or their equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Alternate French Review Grammar and Composition Book*, by Carnahan, D. C. Heath and Co. (\$1.30); *Carmen et Autres Nouvelles* (Blondheim Edition), by Mérimée, D. C. Heath and Co. (\$1).
- 3a-2C. Advanced French II. (2 units) N. J. Tremblay  
 This course is a continuation of Advanced French I. Advanced French I and II cover the first semester's work of the second year in college. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Alternate French Review Grammar and Composition Book*, by Carnahan, D. C. Heath and Co. (\$1.30); *Les Misérables* (Edited by Campbell), by Hugo, D. C. Heath and Co. (90c).
- 3b-1C. Advanced French III. (2 units) N. J. Tremblay  
 This course covers the ground ordinarily covered in the first half of the second semester of second year's college work. It undertakes a study of grammar, composition, and reading of Balzac and Loti. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Favorite French Stories*, by Parker, Allyn and Bacon Co. (\$1); *Eugénie Grandet* (Spiers Edition), by Balzac, D. C. Heath and Co. (\$1.10).
- 3b-2C. Advanced French IV. (2 units) N. J. Tremblay  
 This course is a continuation of Advanced French III. Advanced French III and IV cover the second semester's work of the second year in college. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Favorite French Stories*, by Parker, Allyn and Bacon Co. (\$1); *Pêcheur d'Islande* (Super Edition), by Loti, D. C. Heath and Co. (90c).

## GEOLOGY

- 101-C. Physical Geology. (2 units) R. J. Leonard  
 The origin and structural arrangements of the materials of the earth and the agencies and processes producing changes in them. Prerequisite, General Chemistry 1a and 1b or their equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Outlines of Physical Geology*, by Pirsson and Longwell, John Wiley and Sons, Inc. (\$3.75) [or *Foundations of Geology*, by Pirsson, Schuchert and Longwell, John Wiley and Sons, Inc. (\$5), which is a combination of *Outlines of Physical Geology* and *Outlines of Historical Geology* in one volume].
- 102-C. Historical Geology. (2 units) R. J. Leonard  
 A consideration of the history of the earth and its animals and plants, as recorded in the rocks and their structures. Prerequisite, Physical Geology 101, or its equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Outlines of Historical Geology* (Second Edition), by Schuchert, John Wiley and Sons, Inc. (\$3) [or *Foundations of Geology*, by Pirsson, Schuchert and Longwell, John Wiley and Sons, Inc. (\$5), which is a combination of *Outlines of Physical Geology* and *Outlines of Historical Geology* in one volume].

## GERMAN

- 1a-1C. Elementary German I. (2 units) H. D. Carrington  
 Enables the student to read simple German intelligently. Word study, grammar, and composition are emphasized. Elementary German may be undertaken only when satisfactory arrangements for acquiring pronunciation can be made by the student such as private instruction, or residence with German-speaking people. An oral examination may be required upon completion of the course before credit is allowed. (Fifteen assignments. Registration fee, \$10.)  
 Text: *First Book in German*, by Bagster-Collins, Macmillan Co. (\$1.40).

- 1a-2C. Elementary German II. (2 units) H. D. Carrington  
 This course is a continuation of Elementary German I. Elementary German I and II cover the first semester's work in college. (Fifteen assignments. Registration fee, \$10.)  
 Text: *First Book in German*, by Bagster-Collins, Macmillan Co. (\$1.40).
- 1b-1C. Elementary German III. (2 units) H. D. Carrington  
 This course covers the ground ordinarily covered during the first half of the second semester's college work. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Essentials of German* (Fifth Edition), by Vos, Henry Holt and Co. (\$1.60); *An Elementary German Reader* (Revised Edition), by Zeydel, Alfred Knopf (\$1.35).
- 1b-2C. Elementary German IV. (2 units) H. D. Carrington  
 This course is a continuation of Elementary German III. Elementary German III and IV cover the second semester's work in college. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Essentials of German* (Fifth Edition), by Vos, Henry Holt and Co. (\$1.60); *An Elementary German Reader* (Revised Edition), by Zeydel, Alfred Knopf (\$1.35); *Nachlese*, by Diamond and Reinsch, Henry Holt and Co. (\$1.55).
- 108a-C. Scientific German I. (2 units) H. D. Carrington  
 A translation course for the student of science who has mastered the elements of German grammar and has read texts of moderate difficulty. It aims to assist the student in acquiring a good vocabulary and in mastering constructions which are peculiar to this type of prose. (Fifteen assignments. Registration fee, \$10.)  
 Text: *German Science Reader*, by Scholz, Macmillan Co. (\$1.20).

## HISTORY

- 2a-C. American History I. (3 units) H. A. Hubbard  
 The development of the American people, treating briefly of the colonial experiences, of the Revolution, of the formation of the constitution; of national expansion and growth of sectionalism to the compromise of 1850. (Twenty assignments. Registration fee, \$15.)  
 Texts: *Short History of the United States, 1492-1929* (Revised Edition), by Bassett, Macmillan Co. (\$4); *Documentary Source Book of American History, 1606-1926* (Third Edition), by MacDonald, Macmillan Co. (\$2.75).
- 2b-C. American History II. (3 units) H. A. Hubbard  
 A continuation of American History I, treating of the reopening of the slavery question and secession, of the Civil War and reconstruction, of industrial expansion of the United States as a world power, of the World War, and problems of peace. (Twenty assignments. Registration fee, \$15.)  
 Texts: *Short History of the United States, 1492-1929* (Revised Edition), by Bassett, Macmillan Co. (\$4); *Documentary Source Book of American History, 1606-1926* (Third Edition), by MacDonald, Macmillan Co. (\$2.75); *The Rise of American Civilization* (One Volume Edition), by Beard, Macmillan Co. (\$3).
- 11-C. Development of the English Nation. (3 units) H. A. Hubbard  
 From the earliest times to the end of the Tudor period. The influence of Church and Continental relations; development of English social and political institutions. Intended to give students a clear idea of the constitution as developed to the close of the period. (Twenty assignments. Registration fee, \$15.)  
 Texts: *Select Documents of English Constitutional History*, by Adams and Stephens, Macmillan Co. (\$2.90); *History of England and Greater Britain*, by Cross, Macmillan Co. (\$4).
- 12-C. Development of English Party Government. (3 units) H. A. Hubbard  
 Beginning with the close of the Tudor period, the events and legislation causing and directing the growth of English political parties. The prerogatives of the Crown, the development of the cabinet system, elections, methods of legislation, and the reform bills of the Nineteenth Century. (Twenty assignments. Registration fee, \$15.)

Texts: *Select Documents of English Constitutional History*, by Adams and Stephens, Macmillan Co. (\$2.90); *History of England and Greater Britain*, by Cross, Macmillan Co. (\$4).

105b-C. Nineteenth Century Europe II (Europe Since 1815).

(3 units)

H. A. Hubbard

The liberal and reform movements of Europe during the last century; the evolution of constitutional government; various movements toward national unity; the rise of modern Italy; the Franco-Prussian war, the rise of modern Germany. (Twenty assignments. Registration fee, \$15.)

Texts: *Europe Since 1815* (Revised Edition), by Hazen, Henry Holt and Co. (\$5); *Readings in European History Since 1814*, by Scott and Baltzy, F. S. Crofts and Co. (\$3.50).

109-C. Greek History. (3 units)

H. A. Hubbard

Greece to the death of Alexander. The development of the political, social and economic life of the Greek people. (Twenty assignments. Registration fee, \$15.)

Texts: *Hellenic History*, by Botsford, Macmillan Co. (\$4.25); *A Source Book of Ancient History*, by Botsford, Macmillan Co. (\$2).

### HOME ECONOMICS

2-C. Introduction to Nutrition. (2 units)

Edith Lantz

Selection of a diet adequate for health. The requirements of the body for energy, protein, minerals, and vitamins are discussed and the methods by which these requirements are determined are explained. Practice in planning adequate dietaries for individual cases is included. (Fifteen assignments. Registration fee, \$10.)

Text: *Nutrition and Physical Fitness* (Revised Edition, 1932), by Bogart, W. B. Saunders Co. (\$3).

23-C. Clothing Selection. (2 units)

Olive Picard

The principles of color, harmony, balance, proportion, and line as applied to dress. Individual requirements in color and line are particularly stressed. Also the major textile fibers, fabrics made from them, and tests for quality and identification. (Fifteen assignments. Registration fee, \$10.)

Texts: *Art in Every Day Life* (Revised Edition), by Goldstein, Macmillan Co. (\$3.50); *Textile Fibers and Their Use*, by Hess, J. B. Lippincott Co. (\$2.40).

115-C. Home Furnishings. (3 units)

Olive Picard

The fundamental principles of design and their application to the treatment of interiors and the selection and arrangement of furnishings for the home. (Twenty assignments. Registration fee, \$15.)

Texts: *Art in Every Day Life* (Revised Edition) by Goldstein, Macmillan Co. (\$3.50); *The Study of Interior Decoration*, by Jackson, Doubleday Doran and Co., Inc. (\$2.50).

### MATHEMATICS

20-C. College Algebra. (3 units)

R. F. Graesser

This course is the equivalent of the first semester's work in algebra prescribed for all engineering courses. Prerequisite, one and one-half entrance credits in algebra. (Twenty assignments. Registration fee, \$15.)

Text: *College Algebra* (1931 Alternate Edition), by Hart, D. C. Heath and Co. (\$2.15).

24-C. Plane Trigonometry. (2 units)

Nelle Miller

This course is the equivalent of the first semester's work in trigonometry prescribed for all engineering courses. It may precede College Algebra when so desired. Prerequisites, one and one-half entrance credits in algebra and one entrance credit in geometry. (Fifteen assignments. Registration fee, \$10.)

Text: *Plane and Spherical Trigonometry with Tables* (1932 Revised Edition), by Passano, Macmillan Co. (\$2.10).

25-1C. Analytic Geometry I. (2 units)

A. Boyd Mewborn

This course is the equivalent of the first half of the second semester's work in analytic geometry prescribed for all engineering courses. Prerequisites, College Algebra 20 and Plane Trigonometry 24. (Fifteen assignments. Registration fee, \$10.)

Text: *Brief Course in Analytic Geometry*, by Ford, Henry Holt and Co. (\$2.40).

- 25-2C. Analytic Geometry II. (2 units) A. Boyd Mewborn  
This course is a continuation of Analytic Geometry I. (Fifteen assignments. Registration fee, \$10.)  
Text: *Brief Course in Analytic Geometry*, by Ford, Henry Holt and Co. (\$2.40).
- 100a-1C. Differential Calculus I. (2 units) A. W. Boldyreff  
Fundamental principles and formulae of differential calculus with their applications. Prerequisite, Analytic Geometry 25. (Fifteen assignments. Registration fee, \$10.)  
Text: *First Course in Differential and Integral Calculus*, by Ford, Henry Holt and Co. (\$3).
- 100a-2C. Differential Calculus II. (2 units) A. W. Boldyreff  
This course is a continuation of Differential Calculus I. (Fifteen assignments. Registration fee, \$10.)  
Text: *First Course in Differential and Integral Calculus*, by Ford, Henry Holt and Co. (\$3).
- 100b-1C. Integral Calculus I. (2 units) A. W. Boldyreff  
Fundamental principles and formulae of integral calculus with their applications including the use of tables of integrals. Prerequisite, Differential Calculus 100a. (Fifteen assignments. Registration fee, \$10.)  
Text: *First Course in Differential and Integral Calculus*, by Ford, Henry Holt and Co. (\$3).
- 100b-2C. Integral Calculus II. (2 units) A. W. Boldyreff  
This course is a continuation of Integral Calculus I. (Fifteen assignments. Registration fee, \$10.)  
Text: *First Course in Differential and Integral Calculus*, by Ford, Henry Holt and Co. (\$3).

## MUSIC

- 1a-C. History of Music I. (2 units) Audrey Clampitt  
This course includes a survey of primitive and semi-civilized music, the rise of Christian music, polyphony, secular music, the early musical drama and its subsequent expansion, instruments, forms of composition, and the important composers both preceding and during the classical period in music. (Fifteen assignments. Registration fee, \$10.)  
Text: *The History of Music* (Revised Edition, 1927), by Pratt, G. Schirmer, Inc. (\$3).
- 1b-C. History of Music II. (2 units) Audrey Clampitt  
This course includes a study of the Romantic, Italian and French opera, church music, virtuosity in performers, further growth of the opera, choral music, musical education and literature, and the important composers of the romantic and modern periods in music. (Fifteen assignments. Registration fee, \$10.)  
Text: *The History of Music* (Revised Edition, 1927), by Pratt, G. Schirmer, Inc. (\$3).
- 3a-C. Harmony I. (2 units) Audrey Clampitt  
Key and scale. Intervals. Building of triads and inversions and seventh chords. Connection of triads and first inversions in four-part harmony. Passing tones, neighboring tones; motive, phrase and period form. (Fifteen assignments. Registration fee, \$10.)  
Text: *Applied Harmony Book I*, by George Wedge, G. Schirmer, Inc. (\$2).
- 3b-C. Harmony II. (2 units) Audrey Clampitt  
The 6 chord. Connection of seventh chords and their inversions. Ninth 4 chords and modulation suspensions, anticipations and appoggiaturas. Two-part and three-part form. (Students who plan to take second year harmony in residence must pass an examination in key-board harmony at the University before registering for the course.) (Fifteen assignments. Registration fee, \$10.)  
Text: *Applied Harmony Book I*, by George Wedge, G. Schirmer, Inc. (\$2).

## PHILOSOPHY

## 11-C. Introduction to Philosophy. (3 units) O. A. Simley

Designed to meet the needs of the general student who desires guidance in his search for the meaning of nature and of human life. Essays and discourses which acquaint the student with outstanding philosophical personalities, and with philosophies of life as well as with metaphysical systems are emphasized. (Twenty assignments. Registration fee, \$15.)

Texts: *Selected Papers on Philosophy* (Everyman's Library), by James, E. P. Dutton and Co. (95c); *Socratic Discourses* (Everyman's Library), by Plato and Xenophon, E. P. Dutton and Co. (90c); *Types of Philosophy* (1929 Edition), by Hocking, Charles Scribner's Sons (\$2.50); *Introduction to Philosophy*, by Patrick, Houghton Mifflin Co. (\$2.50).

## 101a-C. History of Philosophy I. (Ancient and Mediaeval) (3 units) M. R. Schneck

European philosophies as the foundation of modern philosophical thinking. Materialism and idealism of Greece; the ethical and religious thought of pagan Rome, and of Rome as the center of Christian speculation in Europe; the philosophies preceding modern science. (Twenty assignments. Registration fee, \$15.)

Texts: *A Critical History of Greek Philosophy*, by Stace, Macmillan Co. (\$2.50); *Source Book in Ancient Philosophy*, by Bakewell, Charles Scribner's Sons (\$2); *The Searching Mind of Greece*, by Warbecke, F. S. Crofts and Co. (\$3.75).

## 101b-C. History of Philosophy II. (Modern) (3 units) M. R. Schneck

European thought from the Renaissance to the present time. Rationalism, empiricism, sensationalism, idealism, pessimism, pragmatism and neo-realism. (Twenty assignments. Registration fee, \$15.)

Texts: *Beginners' History of Philosophy, Vol. II* (Revised Edition), by Cushman, Houghton Mifflin Co. (\$2.60); *The Spirit of Modern Philosophy*, by Royce, Houghton Mifflin Co. (\$4); *Modern Classical Philosophers* (Second and Enlarged Edition), by Rand, Houghton Mifflin Co. (\$4.50).

## POLITICAL SCIENCE

## 100-C. National and State Constitutions. (3 units) N. D. Houghton

Designed to meet the State requirements for a teacher's certificate. A rapid survey of the government of the United States, both federal and state, including a survey of the constitution of Arizona. (Twenty assignments. Registration fee, \$15.)

Texts: *Economic Interpretation of the Constitution*, by Beard, Macmillan Co. (\$3); *Introduction to American Government* (Fourth Edition), by Ogg and Ray, Century Co. (\$3.75); *Constitution of Arizona*, by Murdock, W. B. Conkey Co. (\$1.25).

## PSYCHOLOGY

## 1a-C. Elementary Psychology I. (3 units) J. E. Caster

A general introduction to the experimental study of human behavior. The laws and principles underlying individual differences, intelligence, personality, heredity and environment are considered. (Twenty assignments. Registration fee, \$15.)

Texts: *Psychology* (Third Edition), by Woodworth, Henry Holt and Co. (\$2.50); *Great Experiments in Psychology*, by Garrett, Century Co. (\$2.50); *Fundamentals of Objective Psychology*, by Dashiell, Houghton Mifflin Co. (\$3); *Readings in Experimental Psychology*, by Valentine, Harper & Brothers (\$2.75).

## 1b-C. Elementary Psychology II. (3 units) J. E. Caster

A continuation of Elementary Psychology 1a. The nervous system in its relation to behavior, learning, memory, motivation, feeling and emotion, perception and thinking are examined. (Twenty assignments. Registration fee, \$15.)

Texts: *Psychology* (Third Edition), by Woodworth, Henry Holt and Co. (\$2.50); *Great Experiments in Psychology*, by Garrett, Century Co. (\$2.50); *Fundamentals of Objective Psychology*, by Dashiell, Houghton Mifflin Co. (\$3); *Readings in Experimental Psychology*, by Valentine, Harper & Brothers (\$2.75).

## SOCIOLOGY

- 95-C. Social Problems. (2 units) F. A. Conrad  
 An analysis of population problems, race relations, broken homes, crime, dependency, etc. The development of new social attitudes and social values, socialized education, community organization, and other proposed solutions are considered as means of adjustment to a changing social order. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Social Problems and Social Planning*, by North, McGraw-Hill Book Co., Inc. (\$3.50); *Social Aims in a Changing World*, by Beach, Stanford University Press (\$1.75).
- 181a-C. Principles of Sociology I. (2 units) F. A. Conrad  
 The factors which condition the development of society such as geographic, economic, cultural and biological influences; a survey of social evolution, including the family, state, etc. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Outlines of Introductory Sociology*, by Case, Harcourt Brace and Co. (\$3.75); *Outlines of Sociology* (Third Edition), by Gillin and Blackmar, Macmillan Co. (\$3).
- 181b-C. Principles of Sociology II. (2 units) F. A. Conrad  
 An analysis of social processes and social change; the agencies for controlling and directing social progress such as law, force, religion, public opinion, education, etc. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Outlines of Introductory Sociology*, by Case, Harcourt Brace and Co. (\$3.75); *Outlines of Sociology* (Third Edition), by Gillin and Blackmar, Macmillan Co. (\$3).

## SPANISH

- 1a-1C. Elementary Spanish I. (2 units) G. R. Nichols  
 The elements of Spanish grammar with exercises in reading and composition. Elementary Spanish may be taken only when satisfactory arrangements for acquiring pronunciation, such as private instruction, or residence with Spanish-speaking people, can be made by the student. An oral examination may be required upon completion of the course. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *How to Study Modern Languages in College*, by Hagboldt, University of Chicago Press (25c); *New First Spanish Book*, by Wilkins, Henry Holt and Co. (\$1.50).
- 1a-2C. Elementary Spanish II. (2 units) G. R. Nichols  
 This course is a continuation of Elementary Spanish I. Elementary Spanish I and II cover the first semester's work in college. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *How to Study Modern Languages in College*, by Hagboldt, University of Chicago Press (25c); *New First Spanish Book*, by Wilkins, Henry Holt and Co. (\$1.50).
- 1b-1C. Elementary Spanish III. (2 units) G. R. Nichols  
 Grammar, composition and reading. Prerequisite, one semester of college work or its equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *How to Study Modern Languages in College*, by Hagboldt, University of Chicago Press (25c); *New Second Spanish Book*, by Wilkins, Henry Holt and Co. (\$1.60).
- 1b-2C. Elementary Spanish IV. (2 units) G. R. Nichols  
 This course is a continuation of Elementary Spanish III. Elementary Spanish III and IV cover the second semester's work in college. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *How to Study Modern Languages in College*, by Hagboldt, University of Chicago Press (25c); *New Second Spanish Book*, by Wilkins, Henry Holt and Co. (\$1.60).
- 3a-1C. Intermediate Spanish I. (2 units) G. R. Nichols  
 Reading with exercises in syntax and composition. Prerequisite, one year of college work, or its equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *How to Study Modern Languages in College*, by Hagboldt, University of Chicago Press (25c); *Temas españoles*, by Crawford, Henry Holt and Co. (\$1); *Zaragüeta*, by Carrión and Aza, Benj. H. Sanborn and Co. (\$1.20).

- 3a-2C. Intermediate Spanish II. (2 units) G. R. Nichols  
 This course is a continuation of Intermediate Spanish I. Intermediate Spanish I and II cover the first semester's work of the second year in college. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *How to Study Modern Languages in College*, by Hagboldt, University of Chicago Press (25c); *Temas españoles*, by Crawford, Henry Holt and Co. (\$1); *Short Stories*, by Trueba, Benj. H. Sanborn and Co. (\$1.15).
- 3b-1C. Intermediate Spanish III. (2 units) G. R. Nichols  
 Reading with exercises in syntax and composition. Prerequisite, three semesters of college work, or their equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *How to Study Modern Languages in College*, by Hagboldt, University of Chicago Press (25c); *Advanced Spanish Composition and Conversation*, by Espinosa, Benj. H. Sanborn and Co. (\$1.30); *El Capitán Veneno*, by Alarcón, Benj. H. Sanborn and Co. (\$1.15).
- 3b-1C. Intermediate Spanish IV. (2 units) G. R. Nichols  
 This course is a continuation of Intermediate Spanish III. Intermediate Spanish III and IV cover the second semester's work of the second year in college. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *How to Study Modern Languages in College*, by Hagboldt, University of Chicago Press (25c); *Advanced Spanish Composition and Conversation*, by Espinosa, Benj. H. Sanborn and Co. (\$1.30); *El Abencerraje*, by De Villegas, Benj. H. Sanborn and Co. (85c).
- 14a-C. Elementary Spanish Composition I. (2 units) G. R. Nichols  
 Practice in writing moderately easy Spanish. Prerequisite, two years of college Spanish, or their equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Elementary Spanish Prose Book* (Second Revised Edition), by Wilkins, Benj. H. Sanborn and Co. (\$1.40).
- 14b-C. Elementary Spanish Composition II. (2 units) G. R. Nichols  
 This course is a continuation of Elementary Spanish Composition I. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Elementary Spanish Prose Book* (Second Revised Edition), by Wilkins, Benj. H. Sanborn and Co. (\$1.40).
- 103a-C. Advanced Spanish Composition I. (2 units) G. R. Nichols  
 A practical course in writing Spanish. Prerequisites, Elementary Spanish Composition 14a and 14b or their equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Curso Avanzado de Composición*, by Moreno-Lacalle, D. C. Heath and Co. (\$1.15).
- 103b-C. Advanced Spanish Composition II. (2 units) G. R. Nichols  
 This course is a continuation of Advanced Spanish Composition I. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Curso Avanzado de Composición*, by Moreno-Lacalle, D. C. Heath and Co. (\$1.15); *El Hombre sin Patria*, by Hale, D. C. Heath and Co. (80c).