

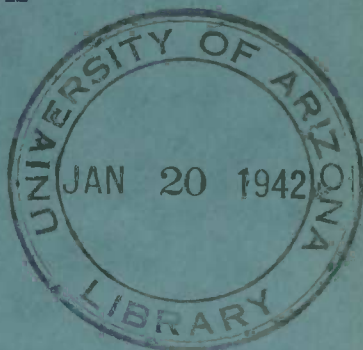


# University of Arizona Record

UNIVERSITY EXTENSION DIVISION

## CORRESPONDENCE COURSES

ANNOUNCEMENT FOR 1942



PUBLISHED BY  
University of Arizona  
TUCSON, ARIZONA

# University of Arizona Record

Vol. XXXIV, No. 7

December, 1941

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ALFRED ATKINSON, D.Sc.....President of the University

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# University of Arizona

## UNIVERSITY EXTENSION DIVISION

### APPLICATION FOR INSTRUCTION

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.?.....  
 Summer School?..... Matric. No.....
6. For what degree are you a candidate?.....
7. What is your major subject?.....
8. Have you registered for correspondence or extension class work here before?..... Date.....
9. Present occupation.....
10. To what library have you access?.....

#### SCHOLASTIC RECORD

	Name of institution	Years attended	Grad. or degree
High school			
Normal			
College			
Other than above			

#### CORRESPONDENCE COURSES DESIRED

Title of courses	Course numbers	Units	Registration fees at \$5 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

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## INSTRUCTION STAFF

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Boldyreff, Alexander W., Ph.D.....	Associate Professor of Mathematics
Bork, A. William, M.A.....	Instructor in Spanish
Brown, Elmer J., Ph.D.....	Professor of Bus. Admin. and Economics
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Caldwell, Mary E., Ph.D.....	Professor of Bacteriology
Carpenter, Edwin F., Ph.D.....	Professor of Astronomy
Carrington, Herbert D., Ph.D.....	Professor of German
Clarson, James W., Jr., Ph.D.....	Professor of Secondary Education
Cline, Russell W., Ph.D.....	Professor of Agricultural Education
Conrad, Frederick A., Ph.D.....	Professor of Sociology
Darrow, Robert A., Ph.D.....	Assistant Professor of Botany
Davis, Richard N., M.S.....	Professor of Dairy Husbandry
Ellis, Willis D., Ph.D.....	Assistant Professor of Phil. and Psych.
Ewing, Russell C., Ph.D.....	Assistant Professor of History
Frazier, Allegra, M.A.....	Professor of English
Galbraith, Frederic W., Ph.D.....	Assistant Professor of Geology
Graesser, Roy F., Ph.D.....	Professor of Mathematics
Herrick, George F., M.B.A.....	Associate Professor of Bus. Admin.
Houghton, Neal D., Ph.D.....	Professor of Political Science
Howard, Russell M., M.S.....	Professor of Business Administration
Hubbard, Howard A., Ph.D.....	Professor of History
Huyck, E. Mary, M.A.....	Assistant Professor of Speech
Jensen, Mildred R., M.A.....	Assistant Professor of Home Economics
Kelley, Victor H., Ph.D.....	Associate Professor of Education
Kitt, Katherine F., M.A.....	Associate Professor of Art
Larson, Emil L., Ph.D.....	Professor of Education
Lopez, Manuel L., M.A.....	Assistant Professor of Spanish
Lowell, John L., M.Mus.....	Associate Professor of Music Theory
Mewborn, A. Boyd, Ph.D.....	Assistant Professor of Mathematics
Miller, Nelle, M.A.....	Assistant Professor of Mathematics
Morgan, Florence H., M.A.....	Assistant Professor of English
Muir, A. Laurence, Ph.D.....	Associate Professor of English
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Pattison, Sidney F., M.A.....	Professor of English
Percy, Garnet D., Ph.D.....	Associate Professor of Classical Literature
Ranney, Edith S., M.A.....	Associate Professor of Home Economics
Schmidt, Andrew B., M.A.....	Professor of Economics
Schneck, Maximilian R., Ph.D.....	Professor of Philosophy and Psychology
Simley, Ole A., Ph.D.....	Professor of Psychology
Smith, Howard V., M.S.....	Associate Professor of Agric. Chemistry
Smith, Margaret C., Ph.D.....	Nutrition Chemist
Snyder, Hartley D., M.A.....	Associate Professor of Music Education
Stanley, Ernest B., M.S.....	Professor of Animal Husbandry
Summers, Richard A., M.A.....	Assistant Professor of English
Tanner, Clara Lee, M.A.....	Assistant Professor of Anthropology
Tetreau, Elzer D., Ph.D.....	Professor of Rural Sociology
Tremblay, Napoleon J., Ph.D.....	Professor of French
Tucker, William J., Ph.D.....	Professor of English
Walker, John F., Ph.D.....	Professor of Educational Psychology
Webb, Wilfred, Ph.D.....	Instructor in Political Science



# 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.

## ORGANIZATION FOR SERVICE

### CORRESPONDENCE COURSE BUREAU

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 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.

### DRAMATICS BUREAU

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 2 weeks. Borrowers pay the parcel post charges on all shipments of materials.

### EXTENSION CLASS BUREAU

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.

### LECTURE AND LYCEUM BUREAU

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, as represented in lectures, readings, music, dramatics, and related arts will be introduced to interested communities of the state as often as opportunity permits.

**LIBRARY EXTENSION BUREAU**

In co-operation with the University Library, books covering a wide range of subjects are available for loan, for a 4-week period, to any citizen of Arizona. While the Library is not in a position to plan informal programs of study, or to prepare reading lists, it does have on file a fairly extensive number of bibliographies and reading courses prepared by the American Library Association and the United States Office of Education. By the use of these lists, available on loan, it is possible to pursue consecutive and integrated reading, with no thought of college credit, in a variety of subject fields. There is no charge for this service other than the small cost of transportation, both ways, for borrowed materials. Requests for books should be addressed to the University Library direct.

**PRESS BUREAU**

Timely items of special interest concerning the University as well as authentic information and data are disseminated regularly to the press.

**PUBLICATIONS BUREAU**

All University catalogues, bulletins, and pamphlets are edited and published by the Bureau.

**RADIO BUREAU**

The extent and kind of radio work is based largely on principles advanced by the Federal Bureau of Radio Education and many universities experienced in broadcasting. Programs originating in the University studio are transmitted by commercial networks of the state as a public service.

**VISUAL AIDS BUREAU**

Moving pictures (16 mm. silent and sound-on-film), stereopticon slides, and film slides are available to anyone equipped with suitable projectors upon payment of a nominal rental or service charge. Exhibitors pay the parcel post charges on all shipments of pictures.

## INTRODUCTION

Although the direct or residence method of instruction is superior in many respects, the correspondence method presents a number of advantages which makes it particularly suited to the needs of the busy student who is actively interested in the mastery of his studies. Some of the more apparent advantages of correspondence instruction are: 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 unimpeded by limitations of time in studying or reciting, or by the demands of a class through the course. Every part of each assignment is read 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 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 feature of such courses is that they offer the isolated student, teacher, housewife, and businessman the opportunity of advantageously using spare hours at home in pursuing studies for college credit under university tutelage.

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 6 hours of preparation are expected on each assignment, since an assignment represents approximately a day'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, following a final examination, college credit will be granted. (A semester hour of credit represents one class period per week for a semester of 17 weeks, 2 hours of preparation being expected for each session.)

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 which are starred 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 de-

sired, 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 12 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 approval of the dean of his college. Requests for this approval are submitted on the Change of Study Lists form obtained at the Registrar's office. 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 register for correspondence courses only upon approval of the dean of the college in which they have previously registered.

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 60 semester hours 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.

Credit earned through correspondence is not acceptable as prelegal credit for admission to the College of Law. Correspondence courses will not be accepted for graduate credit.

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 to 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 that assignments may be returned to the student promptly.

### FEEES

Registration fees for correspondence courses are arranged on the basis of the number of units (semester hours) 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 12 months of the time of registration, a time extension of 12 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 6 months after 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 6 months after 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 6 months after date of original registration.

### TEXTS AND SUPPLIES

Students are expected to purchase their own texts and supplies. These should be ordered directly from the Co-operative 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 Co-operative Book Store through C.O.D. parcel post at the following prices: paper, ninety sheets, plain, 50c; notebook, canvas, \$1; notebook, luggage cloth, \$1.35.

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

- 1-C. Principles of Dairying. (1 unit) R. N. Davis  
 Profitable dairying and dairy sanitation; properties of milk; operation of cream separators; testing milk; and butter making. (Seven assignments. Registration fee, \$5.)  
 Text: *Elements of Dairying*, by Olson, The Macmillan Company (\$3.50).
- 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 interrelationships. (Twenty assignments. Registration fee, \$15.)  
 Text: *The Nature and Properties of Soils* (Third Edition), by Lyon and Buckman, The Macmillan Company (\$3.50).  
 References: Assigned bulletins from various agricultural experiment stations (may be secured from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C.).
- 114-C. Feeding Livestock. (3 units) E. B. Stanley  
 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* (Twentieth Edition), by Morrison, Morrison Publishing Co. (\$5).  
 References: Experiment station and U.S. Department of Agriculture bulletins (supplied by University Extension Division).

## ANTHROPOLOGY

- 1a-C. Anthropology I. (3 units) Clara L. Tanner  
 The organic nature of man, his origin, physical characters and race differences, and a preview of world archaeology. (Twenty assignments. Registration fee, \$15.)  
 Text: *Anthropology*, by Kroeber, Harcourt Brace and Company (\$3.75).  
 Reference: *Source Book in Anthropology*, by Kroeber and Waterman, Harcourt Brace and Company (\$3).
- 1b-C. Anthropology II. (3 units) Clara L. Tanner  
 Living groups, their distribution, arts, sociology, religion, and language. Prerequisite, Anthropology 1a. (Twenty assignments. Registration fee, \$15.)  
 Text: *Anthropology* (Trade Edition), by Goldenweiser, F. S. Crofts & Co. (\$5).
- 108-C. Egypt. (2 units) Clara L. Tanner  
 A cultural survey of the Nile Valley; geographical and geological histories; origin of the people and amalgamations. Study of social, religious, and political organizations and historical development of architecture. Brief survey of the place of Egypt in world history. (Fifteen assignments. Registration fee, \$10.)  
 Text: *History of Egypt* (Second Edition), by Breasted, Charles Scribner's Sons (\$7.50).

## ASTRONOMY

- 1a-C. Descriptive Astronomy I. (2 units) E. F. Carpenter  
 A nonmathematical 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* (Third Edition, 1938), by Baker, D. Van Nostrand & Company, Inc. (\$3.75).
- 1b-C. Descriptive Astronomy II. (2 units) E. F. Carpenter  
 A nonmathematical 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* (Third Edition, 1938), by Baker, D. Van Nostrand & Company, Inc. (\$3.75).

## BOTANY

- 1-C. General Botany. (2 units) L. D. Benson  
 An introductory study of general botany. Consideration will be given to the plant and its environment; the structure, function, and development of plant parts; and a brief survey of the plant kingdom. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Botany* (Third Edition), by Robbins and Rickett, D. Van Nostrand & Company, Inc. (\$3.75).
- 106-C. General Ecology. (2 units) R. A. Darrow  
 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, Botany I. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Plant Ecology* (Second Edition), by Weaver and Clements, McGraw-Hill Book Company, Inc. (\$5).

## BUSINESS ADMINISTRATION

- 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 relationship, businessmen'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*, by Swayzee and Hicks, Farrar & Rinehart, Inc. (\$3.75); *Introduction to Business, A Case Book* (Second Edition), by Gilbert and Gragg, McGraw-Hill Book Company, Inc. (\$3).
- 11-C. Economic Geography. (3 units) G. F. Herrick  
 Deals primarily with the production and distribution of important commodities, emphasis is also placed upon causal influences. Natural phenomena and political situations are given considerable stress. This course should be of value to all who have an interest in geography. (Twenty assignments. Registration fee, \$15.)  
 Texts: *Economic Geography* (Third Edition), by Whitbeck and Finch, McGraw-Hill Book Company, Inc. (\$3.50); *Exercises and Problems in Elementary Economic Geography*, by Blanchard, McGraw-Hill Book Company, Inc. (\$1); *Ready Reference Atlas*, Rand McNally & Company (\$1).
- 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 (\$8.80).
- 31b-C. Principles of Accounting II. (3 units) R. M. Howard  
 A continuation of Principles of Accounting I, 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 (\$8.80).

#### 56-C. A Survey of Fire and

Casualty Insurance. (2 units) G. F. Herrick

A foundation course, dealing with insurance in general, the nature and interpretation of insurance contracts in general and specifically with the more important fire and casualty policies, the organization of insurance companies, the manner in which they operate with special stress upon the agent's position, duties, and responsibilities will be considered, as will social aspects and current trends in insurance. The Arizona Insurance Code will also be studied. This course, or its equivalent established by examination, is a prerequisite to the remaining courses of this series for candidates for a "Qualified Underwriters" Certificate. (Fifteen assignments. Registration fee, \$10.)

Texts: *Insurance, Its Theory and Practice* (Second Edition), by Mowbray, McGraw-Hill Book Company (\$4); *Questions and Problems to Be Used in Connection with Mowbray*, by Herrick (\$1.25).

#### 59-C. Corporate Suretyship and

Inland Marine Insurance. (2 units) G. F. Herrick

The first two thirds of this course will be devoted to corporate suretyship taking up section by section the bond manual and reading standard texts. The remainder of the course will be allotted to the study of Inland Marine Insurance lines. It is recommended that some training in business law be secured before or while taking this course. (Fifteen assignments. Registration fee, \$10.)

Texts: *Surety Bonds*, by Wentz, Lee Publishing Company (\$2); *Problem Books I and II*, by Herrick (\$2 and \$1 respectively).

#### 120a-C. Business Law I. (3 units)

R. C. Parnell

A business course dealing with the fundamental principles of law of contracts and agency. (Twenty assignments. Registration fee, \$15.)

Texts: *Principles of Business Law* (Second Revised Edition), by Dillavou and Howard, Prentice-Hall, Inc. (\$4); *Textbook of Law and Business* (Second Edition), by Spencer, McGraw-Hill Book Co., Inc. (\$4).

#### 120b-C. Business Law II. (3 units)

R. C. Parnell

A continuation of Business Law I taking up topics of agency, negotiable instruments, sales, partnership, corporations, property rights, etc. (Twenty assignments. Registration fee, \$15.)

Texts: *Principles of Business Law* (Second Revised Edition), by Dillavou and Howard, Prentice-Hall, Inc. (\$4); *Textbook of Law and Business* (Second Edition), by Spencer, McGraw-Hill Book Co., Inc. (\$4).

### CLASSICAL LITERATURE

#### 1a-1C. Elementary Latin I. (2 units)

G. D. Percy

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 Company (\$1.20).

#### 1a-2C. Elementary Latin II. (2 units)

G. D. Percy

This course is a continuation of Elementary Latin I. Elementary 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 Company (\$1.60).



- 1b-1C. Elementary Latin III. (2 units) G. D. Percy  
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 Company (\$1.60).
- 1b-2C. Elementary Latin IV. (2 units) G. D. Percy  
This course is a continuation of Elementary Latin III. Elementary 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 Company (\$1.60).
- 2a-1C. Latin Reading,  
Elementary Course I. (2 units) G. D. Percy  
The reading of selections from the writings of Cicero. Prerequisite, Classical Literature 1b or its equivalent. (Fifteen assignments. Registration fee, \$10.)  
Text: *Orationes of Cicero*, by Moore and Barss, Ginn and Company (\$2.20).
- 2a-2C. Latin Reading,  
Elementary Course II. (2 units) G. D. Percy  
This course is a continuation of Latin Reading, Elementary Course I. Latin Reading, Elementary Course I and II cover the first semester's work of the second year in college. (Fifteen assignments. Registration fee, \$10.)  
Text: *Orationes of Cicero*, by Moore and Barss, Ginn and Company (\$2.20).
- 2b-1C. Latin Reading,  
Elementary Course III. (2 units) G. D. Percy  
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 & Co. (\$2); *Latin Grammar* (paper text edition), by Elmer, The Macmillan Company (\$1.60).
- 2b-2C. Latin Reading,  
Elementary Course IV. (2 units) G. D. Percy  
This course is a continuation of Latin Reading, Elementary Course III. Latin Reading, 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 & Co. (\$2); *Latin Grammar* (paper text edition), by Elmer, The Macmillan Company (\$1.60).

## ECONOMICS

- 1a-C. Introduction to Economics I. (3 units) E. J. Brown  
The fundamental structure and principles which underlie economic and business life. The texts used have been revised and include a discussion of recently enacted legislation. Some of the topics considered are: value and price, monopolies, distribution, rent, interest, profits, wages, money and banking, attempts at price stabilization, and recent monetary developments. (Twenty assignments. Registration fee, \$15.)  
Texts: *Elementary Economics*, Vol. I (Fourth Edition), by Fairchild, Furniss and Buck, The Macmillan Company (\$2.50); *Questions and Problems in Economics* (Fourth Edition), by Haskell, The Macmillan Company (60c).
- 1b-C. Introduction to Economics II. (3 units) E. J. Brown  
This is a continuation of Introduction to Economics I. Questions considered include taxation, industrial organization, the N.R.A., the business cycle, interregional trade and exchange, problems of labor, and plans of social reform such as profit sharing, single tax, co-operation, and socialism. (Twenty assignments. Registration fee, \$15.)  
Texts: *Elementary Economics*, Vol. II (Fourth Edition), by Fairchild, Furniss and Buck, The Macmillan Company (\$2.50); *Questions and Problems in Economics* (Fourth Edition), by Haskell, The Macmillan Company (60c).

## EDUCATION

- 101-C. Modern Education. (3 units) J. W. Clarson, Jr.  
 Characteristic features of public education in America; its organization, its administration, its policies, and some explanation of the forces that have affected its development. 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: *The American Educational System*, by Russell and Judd, Houghton Mifflin Company (\$2.25).
- 106-C.\* Comparative Education. (3 units) J. W. Clarson, Jr.  
 Comparative study of the organization, administration, scope, curricula, and purposes of the principal national school systems, interpreted in the light of national character and national purpose. Six leading nations will be considered—England, France, Germany, Italy, Russia, and the United States. (Twenty assignments. Registration fee, \$15.)  
 Text: *Comparative Education*, by Kandel, Houghton Mifflin Company (\$4).
- 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. This course includes a basic study of those factors that have made rural life and education what they are today. On this as a basis the course 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: *The Rural Community and Its Schools*, by Lewis, American Book Company (\$2.50); *Everyday Problems of the Country Teacher* (Revised Edition), by Lowth, The Macmillan Company (\$2.25); *Arizona School Law* (supplied by the State Department of Education, Phoenix, Arizona).
- 109-C.\* Vocational Education. (2 units) R. W. Cline  
 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. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Education and Vocations*, by Eaton, John Wiley & Sons, Inc. (\$2.50); *Vocational Education in a Democracy*, by Prosser and Allen, Century Co. (\$3).
- 110-C.\* Elementary Philosophy  
 of Education. (3 units) J. W. Clarson, Jr.  
 Basic concepts of the educative process, purpose and plan, the role of conscious and unconscious education in the evolution of society, the background of teaching. (Twenty assignments. Registration fee, \$15.)  
 Texts: *Basic Principles in Education*, by Morrison, Houghton Mifflin Company (\$2.50); *Principles of Modern Education*, by Thomas and Lang, Houghton Mifflin Company (\$2.25).
- 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. Special 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 per-

\*Starred courses may be applied toward the requirements for the Administrative Certificate.

manent 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 Company (\$3.50).

112-C.\* History of Education in the United States. (3 units) V. H. Kelley

A course dealing with the development of our educational system from colonial foundations to the present. The aims of the course will be to bring about increased understanding and appreciation of the national system through authentic information as to its origin and the principles involved. (Twenty assignments. Registration fee, \$15.)

Text: *Public Education in the United States* (1934 Revised Edition), by Cubberley, Houghton Mifflin Company (\$3).

121-C.\* The Elementary School Curriculum. (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. (Twenty assignments. Registration fee, \$15.)

Texts: *Modern Methods and the Elementary Curriculum* (Revised Edition), by Phillips, The Century Co. (\$2.50); *Course of Study for Elementary Schools of Arizona* (thirteen bulletins, \$6.25, to be ordered from the State Department of Education, Phoenix, Arizona).

131-C.\* The High School. (3 units) J. W. Clarson, Jr.

For all preparing for teaching or for administrative work in secondary schools. The object of the course is to provide a thorough understanding of the high school as an institution. The purpose and development of the high school and a brief comparison with European secondary schools; the high-school student body; the relationship of high school to the elementary school and to the college; the curriculum; the outlook for secondary education. (Twenty assignments. Registration fee, \$15.)

Text: *Modern Secondary Education*, by Douglass, Houghton Mifflin Company (\$3).

150-C. Mental Hygiene. (2 units) J. F. Walker

A study of the conflicts and adjustments made necessary by the increasing complexity of the social life of American communities. With the modern changes in family life, produced largely by industrial changes, an increasing responsibility is placed upon teachers as guides in the mental adjustment of the children in their care. A study of how to meet this responsibility is the object of this course. (Fifteen assignments. Registration fee, \$10.)

Texts: *Educating for Adjustment*, by Rivlin, D. Appleton-Century Company, Inc. (\$2.25); *Keeping a Sound Mind*, by Morgan, the Macmillan Company (\$2.25).

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, Psychology 1a, or its equivalent. (Twenty assignments. Registration fee, \$15.)

Text: *An Introduction to Educational Psychology*, by Griffith, Farrar & Rinehart, Inc. (\$3).

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* (Revised Edition), by Garrett, Longmans, Green & Co. (\$3.50).

## 157-C.\* Educational Tests

and Measurements. (3 units)

V. H. Kelley

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. The course is so arranged that either the high school or the elementary school measurement program will be emphasized depending upon the interests of the student. Please note the two different textbooks; only one should be purchased by the student. (Twenty assignments. Registration fee, \$15.)

Text: *The Use and Interpretation of High School Tests* (1936 Edition), by Greene and Jorgensen, Longmans, Green and Company (\$3.50), or *The Use and Interpretation of Elementary School Tests* (1935 Edition), by Greene and Jorgensen, Longmans, Green and Company (\$3.50).

## 160-C. Public 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 but of value also to teachers. Topics include organization, general and specific administrative duties, supervision, and community relationships. (Twenty assignments. Registration fee, \$15.)

Text: *Fundamentals of Public School Administration* (Revised Edition, 1941), by Reeder, The Macmillan Company (\$3.75).

## ENGLISH

## X-C. English Composition. (0 units)† Florence H. Morgan

A corrective course in grammar, spelling, punctuation, sentence and paragraph structure designed for those who are deficient in the mechanics of English composition, and therefore not qualified to enter English 1a, or for others who wish to learn the fundamentals of written English. Freshmen who enter the University with a passing grade in English X-C may enter English 1a without taking the English Placement Examination given during Freshman Week. (Twenty assignments. Registration fee, \$15.)

Texts: *Webster's Collegiate Dictionary*, G. & C. Merriam Co. (\$3.50) or *The College Standard Dictionary*, Funk & Wagnalls Company, Publishers (\$3.50); *Century Collegiate Handbook* (1939 Revised Edition), by Greever and Jones, D. Appleton-Century Company, Inc. (\$1.25); *Practice Leaves in the Rudiments of English*, by Jones, D. Appleton-Century Company, Inc. (65c).

## 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. (Twenty assignments. Registration fee, \$15.)

Texts: *Syllabus for English Six*, Co-operative Book Store, University of Arizona (75c); *Webster's Collegiate Dictionary* (Fifth Edition), G. & C. Merriam Co. (\$3.50) or any other good collegiate dictionary.

## 29b-C. American Literature. (3 units)

A. L. Muir

A survey of American poetry, prose, and fiction from Walt Whitman to Willa Cather. (Twenty assignments. Registration fee, \$15.)

Texts: *American Poetry and Prose* (Revised and Enlarged), Part 2, by Foerster, Houghton Mifflin Company (\$2.10); *History of American Letters*, by Taylor, American Book Company (\$3.50).

## 104a-C. Story Writing. (3 units)

R. G. Summers

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, Farrar & Rinehart, Inc. (\$1); *Weaving the Short Story* (College Edition), by Bement, Farrar & Rinehart, Inc. (\$2.25).

## 126a-C. Survey of English Literature I. (3 units)

W. J. Tucker

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.)

†English X is of subcollegiate grade and hence is not evaluated in terms of units that may be counted toward a degree.

Texts: *A Book of English Literature*, Vol. I (Third Edition), by Snyder and Martin, The Macmillan Company (\$2.50); *History of English Literature* (Revised Edition), by Neilson and Thorndike, The Macmillan Company (\$1.80).

- 126b-C. Survey of English Literature II. (3 units) W. J. Tucker  
A continuation of Survey of English Literature I, carrying the study to the present day. (Twenty assignments. Registration fee, \$15.)

Texts: *A Book of English Literature*, Vol. II (Third Edition), by Snyder and Martin, The Macmillan Company (\$2.50); *History of English Literature* (Revised Edition), by Neilson and Thorndike, The Macmillan Company (\$1.80).

- 131a-C. Shakespeare. (3 units) W. J. Tucker  
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. Prerequisites, English 126a and 126b. (Twenty assignments. Registration fee, \$15.)

Texts: *The Facts About Shakespeare* (Revised Edition), by Neilson and Thorndike, The Macmillan Company (\$1.65); *Shakespeare*, by Parrott, Charles Scribner's Sons (\$4).

- 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 75 years. (Twenty assignments. Registration fee, \$15.)

Texts: *Twenty-Five Modern Plays* (Text Edition), by Tucker, Harper & Brothers (\$2.75); *A Doll's House*, by Ibsen, Walter H. Baker Co. (50c); *Candida*, by Shaw, Dodd, Mead and Company (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 this course before credit is allowed. (Fifteen assignments. Registration fee, \$10.)

Texts: *Brief French Grammar*, by Fraser, Squair and Carnahan, D. C. Heath and Company (\$1.60); *Petits Contes de France* (1929 Enlarged Edition), by Méras and Roth, American Book Company (\$1).

- 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 Company (\$1.60); *Petits Contes de France* (1929 Enlarged Edition), by Méras and Roth, American Book Company (\$1).

- 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 Company (\$1.60); *Monte Cristo* (Spiers Edition), by Dumas, D. C. Heath and Company (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 Company (\$1.60); *Monte Cristo* (Spiers Edition), by Dumas, D. C. Heath and Company (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, 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 Company (\$1.30); *Carmen et Autres Nouvelles* (Blondheim Edition), by Mérimée, D. C. Heath and Company (\$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 Company (\$1.30); *Les Misérables* (edited by Campbell), by Hugo, D. C. Heath and Company (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 & Bacon (80c); *Eugénie Grandet* (Spiers Edition), by Balzac, D. C. Heath and Company (\$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 & Bacon (80c); *Pêcheur d'Islande* (Super Edition), by Loti, D. C. Heath and Company (90c).

## GEOLOGY

1a-C. General Geology I (Physical). (3 units) F. W. Galbraith

The origin and structural arrangements of the materials of the earth and the agencies and processes producing changes in them. (Twenty assignments. Registration fee, \$15.)

Text: *Introduction to Geology*, by Branson and Tarr, McGraw-Hill Book Company (\$3.75).

1b-C. General Geology II (Historical). (3 units) F. W. Galbraith

A consideration of the history of the earth and its animals and plants as recorded in the rocks and their structures. (Twenty assignments. Registration fee, \$15.)

Text: *Introduction to Geology*, by Branson and Tarr, McGraw-Hill Book Company (\$3.75).

## GERMAN

1a-1C. First-Year 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, The Macmillan Company (\$1.60).

1a-2C. First-Year German II. (2 units) H. D. Carrington

This course is a continuation of First-Year German I. First-Year 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, The Macmillan Company (\$1.60).

1b-1C. First-Year 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 Company, Inc. (\$1.60); *An Elementary German Reader* (Revised Edition), by Zeydel, F. S. Crofts & Co. (\$1.35).

- 1b-2C. First-Year German IV. (2 units) H. D. Carrington  
This course is a continuation of First-Year German III. First-Year 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 Company, Inc. (\$1.60); *An Elementary German Reader* (Revised Edition), by Zeydel, F. S. Crofts & Co. (\$1.35); *Nachlese*, by Diamond and Reinsch, Henry Holt and Company, Inc. (\$1.45).
- 3a-1C. Second-Year German I. (2 units) H. D. Carrington  
A part of the course is devoted to composition exercises to fix in mind grammatical forms and principles, but the main objective is that the student acquire a larger and more accurate vocabulary and learn something of life in modern Germany. (Fifteen assignments. Registration fee, \$10.)  
Texts: *Hannelore erlebt die Grosstadt*, by Hohrath, F. S. Crofts & Co. (\$1.35); *German Composition*, by Carrington and Holzwarth, D. C. Heath and Company (\$1.15).
- 3a-2C. Second-Year German II. (2 units) H. D. Carrington  
This course is a continuation of Second-Year German I. Second-Year German I and II cover the first semester's work of the second year in college. (Fifteen assignments. Registration fee, \$10.)  
Texts: *Hannelore erlebt die Grosstadt*, by Hohrath, F. S. Crofts & Co. (\$1.35); *Still und Bewegt*, by Diamond and Rosenfeld, Henry Holt and Company, Inc. (\$1.45); *German Composition*, by Carrington and Holzwarth, D. C. Heath and Company (\$1.15).
- 3b-1C. Second-Year German III. (2 units) H. D. Carrington  
This course covers the ground ordinarily covered in the first half of the second semester of second year's college work. (Fifteen assignments. Registration fee, \$10.)  
Texts: *Still und Bewegt*, by Diamond and Rosenfeld, Henry Holt and Company, Inc. (\$1.45); *German Composition*, by Carrington and Holzwarth, D. C. Heath and Company (\$1.15).
- 3b-2C. Second-Year German IV. (2 units) H. D. Carrington  
This course is a continuation of Second-Year German III. Second-Year German III and IV cover the second semester's work of the second year in college. (Fifteen assignments. Registration fee, \$10.)  
Texts: *Still und Bewegt*, by Diamond and Rosenfeld, Henry Holt and Company, Inc. (\$1.45); *German Composition*, by Carrington and Holzwarth, D. C. Heath and Company (\$1.15).
- 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, The Macmillan Company (\$1.35).

## HISTORY

- 2a-C. American History I. (3 units) R. C. Ewing  
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, 1492-1938* (Third Edition), by Bassett, The Macmillan Company (\$4); *Documentary Source Book of American History, 1606-1926* (Third Edition), by MacDonald, The Macmillan Company (\$3).
- 2b-C. American History II. (3 units) R. C. Ewing  
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, the problems of peace. (Twenty assignments. Registration fee, \$15.)  
Texts: *Short History of the United States, 1492-1938* (Third Edition), by Bassett, The Macmillan Company (\$4); *Documentary Source Book of American History, 1606-1926* (Third Edition), by MacDonald, The Macmillan Company (\$3); *The Rise of American Civilization* (One Volume Revised Edition), by Beard, The Macmillan Company (\$3.75).

- 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, The Macmillan Company (\$3.50); *History of England and Greater Britain*, by Cross, The Macmillan Company (\$5).
- 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, The Macmillan Company (\$3.50); *History of England and Greater Britain*, by Cross, The Macmillan Company (\$5).
- 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), Volumes I and II, by Hazen, Henry Holt and Company, Inc. (set \$4); *Readings in European History Since 1814*, by Scott and Baltzly, F. S. Crofts & 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, The Macmillan Company (\$4); *A Source Book of Ancient History*, by Botsford, The Macmillan Company (\$2.40).
- 110-C. Roman History. (3 units) H. A. Hubbard  
 To the fall of the Empire. The organization of the Republic and the Empire; the social and economic development of the people. The relation of Rome to the Mediterranean world. (Twenty assignments. Registration fee, \$15.)  
 Texts: *A History of Rome to 565 A.D.* (Revised Edition), by Boak, The Macmillan Company (\$4); *A History of Rome*, by Frank, Henry Holt and Company, Inc. (\$3.75).
- 121-C. The Latin-American Colonies. (2 units) R. C. Ewing  
 Survey of Spanish institutions and culture in discovery, exploitation, and settlement of Latin America; social organization and economic conditions. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Colonial Hispanic America* (College Edition), by Chapman, The Macmillan Company (\$2.60); *Spanish Borderlands* (Textbook Edition), by Bolton, Yale University Press (\$1.50).
- 122-C. The Latin-American Republics. (2 units) R. C. Ewing  
 The struggle for independence; progress toward stability, prosperity, and international recognition; geography and resources; social, political, and financial situation. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Hispanic Nations of the New World* (Textbook Edition), by Shepherd, Yale University Press (\$1.80); *History of Latin American Nations* (Second Edition), by Robertson, D. Appleton-Century Company, Inc. (\$5).

## HOME ECONOMICS

- 2-C. Introduction to Nutrition. (2 units) Margaret Smith  
 Selection of food adequate for health. The requirements of the body for energy, protein, minerals, and vitamins, and food sources of each are discussed, and the methods by which these requirements are determined are explained. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Nutrition and Physical Fitness* (Third Edition), by Bogert, W. B. Saunders Company (\$3).



- 45-C. Costume Selection. (2 units) Edith Ranney  
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* (Third Edition), by Goldstein, The Macmillan Company (\$3.25); *Textile Fibers and Their Use* (Third Edition), by Hess, J. B. Lippincott Company (\$2.40).
- 115a-C. Home Furnishings. (3 units) Mildred R. Jensen  
Art principles applied to interiors; the choice of wall finishes, floor coverings, furniture, draperies, and accessories; period styles; the arrangement of furniture, the complete decoration of various rooms. (Twenty assignments. Registration fee, \$15.)  
Text: *Home Decoration*, by Ross Stewart and John Gerald, Julian Messner, Inc. (\$4).

## 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, 1½ entrance credits in algebra. (Twenty assignments. Registration fee, \$15.)  
Text: *College Algebra* (1931 Alternate Edition), by Hart, D. C. Heath and Company (\$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, 1½ entrance credits in algebra and 1 entrance credit in geometry. (Fifteen assignments. Registration fee, \$10.)  
Text: *Plane Trigonometry with Tables*, by Hart, D. C. Heath and Company (\$2).
- 25-1C. Analytic Geometry I. (2 units) A. B. Mewborn  
This course is the equivalent of the first half of the second semester's work in mathematics prescribed for all engineering courses. Prerequisites, 1½ entrance credits in geometry, Mathematics 20 and 24. (Fifteen assignments. Registration fee, \$10.)  
Text: *Analytic Geometry* (1935 Revised Edition), by Brink, D. Appleton-Century Company, Inc. (\$2.90).
- 25-2C. Analytic Geometry II. (2 units) A. B. Mewborn  
This course is a continuation of Analytic Geometry I. (Fifteen assignments. Registration fee, \$10.)  
Text: *Analytic Geometry* (1935 Revised Edition), by Brink, D. Appleton-Century Company, Inc. (\$2.90).
- 95a-1C. Differential Calculus I. (2 units) A. W. Boldyreff  
Fundamental principles and formulae of differential calculus with their applications. Prerequisite, Mathematics 25. (Fifteen assignments. Registration fee, \$10.)  
Text: *The Calculus*, by Carmichael and Weaver, Ginn and Company (\$3).
- 95a-2C. Differential Calculus II. (2 units) A. W. Boldyreff  
This course is a continuation of Differential Calculus I. (Fifteen assignments. Registration fee, \$10.)  
Text: *The Calculus*, by Carmichael and Weaver, Ginn and Company (\$3).
- 95b-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, Mathematics 95a. (Fifteen assignments. Registration fee, \$10.)  
Text: *The Calculus*, by Carmichael and Weaver, Ginn and Company (\$3).
- 95b-2C. Integral Calculus II. (2 units) A. W. Boldyreff  
This course is a continuation of Integral Calculus I. (Fifteen assignments. Registration fee, \$10.)  
Text: *The Calculus*, by Carmichael and Weaver, Ginn and Company (\$3).

## MUSIC

- 2-C. Fundamentals of Music. (1 unit) J. L. Lowell  
This course is designed for those with little or no knowledge of music theory. The following material is covered: staves, clefs, time rhythm, intervals, scales, triads and simple chord connection. Not for credit for music majors. (Seven assignments. Registration fee, \$5.)  
Texts: *Musical Theory*, Books I and II, by Arthur Olaf Andersen, H. T. FitzSimons (75c each).
- 102a-C. Survey of Musical Literature I. (2 units) J. L. Lowell  
This course includes a brief study of primitive music followed by a development of the Gregorian Chant, polyphony, meter and rhythm, harmony, the opera, instruments and the development of musical form up to the death of Bach in 1750. The development of music is co-related with parallel developments in the other arts. (Fifteen assignments. Registration fee, \$10.)  
Text: *A History of Music*, by Finney, Harcourt, Brace and Company (\$3).
- 102b-C. Survey of Musical Literature II. (2 units) J. L. Lowell  
Haydn, Mozart, and Beethoven and the rise of the symphony. Romanticism and its effect on the symphony and the opera. Program music, the music drama, nationalism, impressionism, and other forms of modernisms. American music. (Fifteen assignments. Registration fee, \$10.)  
Text: *A History of Music*, by Finney, Harcourt, Brace and Company (\$3).

## PHILOSOPHY

- 11a-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 & Co., Inc. (90c); *Socratic Discourses* (Everyman's Library), by Plato and Xenophon, E. P. Dutton & Co., Inc. (90c); *Types of Philosophy* (1939 Edition), by Hocking, Charles Scribner's Sons (\$2.50); *Introduction to Philosophy* (Revised Edition), by Patrick, Houghton Mifflin Company (\$2.50).
- 101a-C. History of Philosophy I  
(Ancient and Medieval). (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, The Macmillan Company (\$2.50); *Source Book in Ancient Philosophy* (Revised Edition), by Bakewell, Charles Scribner's Sons (\$2); *The Searching Mind of Greece* (Text Edition), by Warbecke, F. S. Crofts & 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 neorealism. (Twenty assignments. Registration fee, \$15.)  
Texts: *Beginners' History of Philosophy*, Vol. II (Revised Edition), by Cushman, Houghton Mifflin Company (\$2.60); *The Spirit of Modern Philosophy*, by Royce, Houghton Mifflin Company (\$4); *Modern Classical Philosophers* (Second and Enlarged Edition), by Rand, Houghton Mifflin Company (\$4.50).

## POLITICAL SCIENCE

- 51-C. National Government  
of the United States. (3 units) N. D. Houghton  
Origin and development of the Constitution of the United States; organization, structure, and working of the national government, and its efforts to deal with great social and economic problems in a changing world. (Twenty assignments. Registration fee, \$15.)

Texts: *Federal Government of the United States*, by West, Prentice-Hall, Inc. (\$3.25); *Economic Interpretation of the United States*, by Beard, The Macmillan Company (\$2.50); *Documents and Readings in American Government*, by Mathews and Berdahl, The Macmillan Company (\$4).

- 62-C. State and County Government. (3 units) W. D. Webb  
Organization and functions of state and county governments; some special attention to the Constitution of Arizona.  
Texts: *American State Government* (Revised Edition, 1941), by Graves, D. C. Heath & Company (\$4); *Documents and Readings in American Government* (Revised Edition, 1940), by Mathews and Berdahl, The Macmillan Company (\$4); *Constitution of the State of Arizona* (annotated to July 14, 1939), State Department of Library and Archives (\$1).
- 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, The Macmillan Company (\$2.50); *The Government of the United States* (Fourth Edition), by Munro, The Macmillan Company (\$3.75); *Constitution of Arizona*, by Murdock, W. B. Conkey Co. (\$1.25).
- 101-C. State Government. (1 unit) N. D. Houghton  
Designed to meet the state requirement, with respect to training in the state constitution, for a teacher's certificate. A brief survey of state government with particular application to Arizona. (Seven assignments. Registration fee, \$5.)  
Texts: *The Government of the United States* (Fourth Edition), by Munro, The Macmillan Company (\$3.75); *Constitution of Arizona*, by Murdock, W. B. Conkey Co. (\$1.25).
- 155-C. American Foreign Policy. (3 units) N. D. Houghton  
A study of our changing relations with other nations; our foreign wars and our territorial expansion; evolution of the Monroe Doctrine; recent and current policies with respect to Europe, Asia, and Latin America. (Twenty assignments. Registration fee, \$15.)  
Texts: *A Diplomatic History of the American People*, by Bailey, F. S. Crofts & Company (\$4.25); *Rise of American Civilization* (complete), by Beard, The Macmillan Company (\$3.50).

### PSYCHOLOGY

- 1a-C. Elementary Psychology I. (3 units) W. D. Ellis  
A general introduction to the study of human behavior. The laws and principles underlying individual differences, intelligence, personality, heredity, environment, and the nervous system in relation to behavior and learning are studied. (Twenty assignments. Registration fee, \$15.)  
Texts: *Psychology* (Fourth Edition), by Woodworth, Henry Holt and Co., Inc. (\$2.75); *Experimental Foundations of General Psychology* (Revised Edition), by Valentine, Farrar & Rinehart, Inc. (\$2).
- 1b-C. Elementary Psychology II. (3 units) W. D. Ellis  
A continuation of Elementary Psychology 1a-C. Memory, motivation, feeling and emotion, perception, thinking, and how to use psychology in personal adjustment are examined. (Twenty assignments. Registration fee, \$15.)  
Texts: *Psychology* (Fourth Edition), by Woodworth, Henry Holt and Co., Inc. (\$2.75); *Experimental Foundations of General Psychology* (Revised Edition), by Valentine, Farrar & Rinehart, Inc. (\$2).

### 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 Company, Inc. (\$3.50); *Social Aims in a Changing World*, by Beach, Stanford University Press (\$1.75).

- 181-C. Principles of Sociology. (3 units) F. A. Conrad  
An analysis of groups, institutions, social organization, social change, social control, and such social processes as competition, conflict, co-operation, social disorganization, etc. (Twenty assignments. Registration fee, \$15.)

Texts: *Principles of Sociology* (1933 Edition), by Hiller, Harper & Brothers (\$3.50); *Outline Guide for the Study of Sociology* (1934 Edition), by Hiller, Harper & Brothers (30c).

## SPANISH

- 1a-1C. Elementary Spanish I. (2 units) A. W. Bork

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 Company, Inc. (\$1.55).

- 1a-2C. Elementary Spanish II. (2 units) A. W. Bork

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 Company, Inc. (\$1.55).

- 1b-1C. Elementary Spanish III. (2 units) A. W. Bork

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 Company, Inc. (\$1.65).

- 1b-2C. Elementary Spanish IV. (2 units) A. W. Bork

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 Company, Inc. (\$1.65).

- 3a-1C. Intermediate Spanish I. (2 units) A. W. Bork

Reading with exercises in syntax and composition. Prerequisite, 1 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); *Spanish Review Grammar*, by Castellano and Brown, Charles Scribner's Sons (\$1.60); *Zaraqueta*, by Carrión and Aza, Benj. H. Sanborn & Co. (\$1.20).

- 3a-2C. Intermediate Spanish II. (2 units) A. W. Bork

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); *Spanish Review Grammar*, by Castellano and Brown, Charles Scribner's Sons (\$1.60); *José*, by Palacio Valdés, Prentice-Hall, Inc. (\$1).

- 3b-1C. Intermediate Spanish III. (2 units) A. W. Bork

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 & Co. (\$1.40); *El Zarco*, by Altamirano, W. W. Norton (\$1.35); *Elementos de Español*, by Moreno-La Calle, Benj. H. Sanborn & Co. (\$1.35).

- 3b-2C. Intermediate Spanish IV. (2 units) A. W. Bork  
 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 & Co. (\$1.40); *El Abencerraje*, by De Villegas, F. S. Crofts & Co. (85c); *La reina*, by the Quinteros, Benj. H. Sanborn & Co. (85c); *Elementos de Español*, by Moreno-LaCalle, Benj. H. Sanborn & Co. (\$1.35).
- 14a-C. Elementary Spanish Composition I. (2 units) A. W. Bork  
 Practice in writing moderately easy Spanish. Prerequisite, 2 years of college Spanish, or their equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Elementary Spanish Prose Book* (Second Revised Edition), by Wilkins, Benj. H. Sanborn & Co. (\$1.40); *Elementos de Español*, by Moreno-LaCalle, Benj. H. Sanborn & Co. (\$1.35).
- 14b-C. Elementary Spanish Composition II. (2 units) A. W. Bork  
 This course is a continuation of Elementary Spanish Composition I. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *Elementary Spanish Prose Book* (Second Revised Edition), by Wilkins, Benj. H. Sanborn & Co. (\$1.40); *Elementos de Español*, by Moreno-LaCalle, Benj. H. Sanborn & Co. (\$1.35).
- 20-C. Spanish Commercial Correspondence. (2 units) A. W. Bork  
 Purpose of the course is to offer the Spanish student a mastery of the accepted commercial forms and the business vocabulary in actual use today. (Fifteen assignments. Registration fee, \$10.)  
 Text: *Español Práctico Commercial*, by Thompson and Aran, Longmans, Green & Co. (\$1.50).
- 103a-C. Advanced Spanish Composition I. (2 units) A. W. Bork  
 A practical course in writing Spanish. Prerequisites, Spanish 14a and 14b or their equivalent. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *A Course in Spanish Composition*, by Whitman and Aguilera, Longmans, Green & Co. (\$1.48); *Elementos de Español*, by Moreno-LaCalle, Benj. H. Sanborn & Co. (\$1.35).
- 103b-C. Advanced Spanish Composition II. (2 units) A. W. Bork  
 This course is a continuation of Advanced Spanish Composition I. (Fifteen assignments. Registration fee, \$10.)  
 Texts: *A Course in Spanish Composition*, by Whitman and Aguilera, Longmans, Green & Co. (\$1.48); *Elementos de Español*, by Moreno-LaCalle, Benj. H. Sanborn & Co. (\$1.35).

## SPEECH

- 125a-C. Principles of Argumentation  
 and Debate I. (3 units) W. A. Cable  
 Exclusive of logical theory, but including a study of the proposition, analysis, brief drawing, organization, strategy, and debate technique and practice. An analytical and synthetic study of the principles, their application in published debates stenographically reported, and their further application in original outlines and manuscripts on argumentative questions. (Twenty assignments. Registration fee, \$15.)  
 Texts: *Argumentation and Debate*, by O'Neill, Laycock, and Scales, The Macmillan Company (\$2.35); *University Debaters' Annual, 1928-1929* (edited by Phelps), H. W. Wilson Co. (\$2.25).
- 125b-C. Principles of Argumentation  
 and Debate II. (3 units) W. A. Cable  
 Logical theory and its application in the kinds, tests, and employment of evidence, arguments, and fallacies in constructive and refutatory debating. (Twenty assignments. Registration fee, \$15.)  
 Texts: *Argumentation and Debate*, by O'Neill, Laycock, and Scales, The Macmillan Company (\$2.35); *University Debaters' Annual, 1928-1929* (edited by Phelps), H. W. Wilson Co. (\$2.25).



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Correspondence Courses Announcement

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Copies of the above publications may be obtained by request to the Director of the Mailing Bureau, University of Arizona, Tucson, Arizona. A charge of twenty-five cents is made for the *Announcement for the Academic Year*, and in some instances a nominal charge is made for publications in the University of Arizona Bulletin series.

# University of Arizona

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## COLLEGE OF AGRICULTURE

School of Home Economics

## COLLEGE OF EDUCATION

## COLLEGE OF ENGINEERING

## COLLEGE OF FINE ARTS

School of Music

## COLLEGE OF LAW

## COLLEGE OF LIBERAL ARTS

School of Business and Public Administration

## COLLEGE OF MINES

## GRADUATE COLLEGE

## GENERAL DEPARTMENTS

School of Military Science and Tactics

Department of Physical Education for Men

Department of Physical Education for Women

Student Health Service

## SUMMER SESSION

## DEPARTMENTS OF RESEARCH AND EXTENSION

Agricultural Experiment Station

Agricultural Extension Service

Arizona Bureau of Mines

Arizona State Museum

Laboratory of Tree-Ring Research

Steward Observatory

University Extension Division

## AFFILIATED INSTITUTIONS

Arizona Feed and Fertilizer Control Office

Arizona State Laboratory

U.S. Bureau of Mines

U.S. Department of Agriculture

Forest Service

Southwestern Forest and Range Experiment Station

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Inquiries or requests for information should be addressed to:

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