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Utah State Agricultural College
ELMER GEORGE PETERSON, President
Logan, Utah

Correspondence-Study Department
JAMES H. LINFORD, Superintendent

Correspondence-Study Courses
A Practical, a Preparatory, and a College Education available to all.

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General Information

THE NATURE OF CORRESPONDENCE-STUDY

Correspondence-study is designed to give to people everywhere who cannot attend college an opportunity to get some of the instruction and culture that is obtained by those who can attend in residence.

Correspondence-study is not only feasible but decidedly practical. Hundreds of men and women have qualified themselves for higher positions with the help of correspondence-study. Hundreds of men are now using the odds and end of time they would otherwise waste, preparing for the lucrative positions that await the man with training. Young men and women supporting themselves, men whose circumstances have not permitted them to attend college continuously until graduation, and married men with families are learning while they earn, and so reducing the time of resident study necessary for a degree.

Regarding correspondence-study, the University of Texas Bulletin says: "Correspondence-study offers substantial advantages. In correspondence-study instruction the teaching is entirely individual; each student comes into individual relation with the instructor in a way impossible in the crowded class-room. He recites the whole of every lesson with a consequent advantage to himself that is obvious. Full opportunity is given to discuss all difficulties in writing, and this written discussion in itself affords valuable training. Further, the correspondence student is not hampered by the usual time regulations; he may take up study at his convenience without awaiting the fixed order of a college term."

Again quoting, the University of Oregon Monitor says: "Those who find their only opportunity for study in the correspondence-study method
should never feel apologetic or unfortunate. Dr. Harper, once president of the University of Chicago, long ago discovered that the work done by correspondence study is even better than that done in the classroom. The University of Pittsburgh reports that many correspondence-study students testify that their correspondence-study meant more to them than work in residence. The University of Oregon and scores of other Universities and Colleges, including Universities of Wisconsin, Chicago, Indiana, California, Minnesota and North Carolina, endorse the method of granting college credit to their successful correspondence-study students. The correspondence-study method, then, is a valid, practicable, approved method of study and instruction."

Correspondence-study as offered by the Utah State Agricultural College is instruction of college or of high school grade, made available to persons who are not able to attend college in residence. It is instruction by means of lesson outlines based on textbooks by recognized authorities. These lessons are prepared by or under the direction of members of the College Faculty and take the place of lectures and class exercises given to students in residence. The student does the work outlined in the assignments and mails them to the Correspondence-Study Department, Utah State Agricultural College, Logan, Utah, for correction and helpful suggestions by competent instructors.

FOR WHOM INTENDED

Correspondence-study is particularly helpful to the following groups of people:

1. College students who cannot pursue continuous residence courses.
2. Teachers who cannot avail themselves of instruction in residence but who must have additional credits in order to renew their certificates.
3. Those who have had a partial college course and who wish to work along some special lines.
4. Professional and business men and women who wish to supplement their training.
5. Men and women too old to go to school, yet who feel the urge for more knowledge or wish to prepare for a change of vocation.
6. Club women who wish to pursue a systematic course of study.
7. High school graduates who are unable to attend college immediately after their high school work.
8. High school students who for various reasons lack a few units of completing the high school curriculum; such students should consult their principal before registering.

RULES GOVERNING CORRESPONDENCE-STUDY WORK

1. Students may register at any time during the year.
2. Students may not pursue more than two courses at a time without special permission of the superintendent of the Correspondence-study department.
3. Students have one year from date of registration in which to complete the course for which they register; however, this period may be extended for six months by paying a small reinstatement fee.
4. Before receiving credit in a course a final examination is required. Those living at a distance from the College may take this examination in their home city if arrangements can be made with a superintendent of schools, a school principal or teacher to act as examiner. Any expense incurred in arranging for the test must be borne by the student being examined.

5. The student must not send in incomplete assignments; if for any reason it is impossible to complete the assignment with the information at hand, it should be laid aside and the next lesson taken up.

6. The assignments must be sent to this office as they are prepared; not more than two or three completed assignments should be sent in at a time.

7. Unless students can call for their corrected assignments, sufficient postage must be included for their return.

8. Address all communications regarding the work to Correspondence-Study Department, Utah State Agricultural College, Logan, Utah.

9. Correspondence-study courses cannot be taken at the same time as residence work is being carried without special permission.

ADMISSION

All students who have graduated from an accredited high school or who have fifteen units of approved units of high school work may register for courses of college grade, and those who have completed the work of the grade schools may enter upon a high school course, or, persons 19 years of age or over who have less than 15 units of high school work may take such courses as their preparation will justify.

Such students, however, must satisfy the entrance requirements of the College before entering as resident students.

HOW TO REGISTER

Students desiring to do correspondence-study work should look carefully over the courses offered, select those they desire to pursue, and then fill out the application card that accompanies this circular, enclose the registration fee of $2.00 a credit hour, and mail to the Department of Correspondence-Study, Utah State Agricultural College, Logan, Utah. On receipt of this card and the registration fee, assignments, or lessons, and directions for study will be forwarded.

CONDITIONS

A student may begin at any time but may not complete more than four credits a month without permission. Reports must be distributed evenly over that period, and may be rejected if the work is compressed too much.

FEES

Registration fees are $2.00 a credit hour, or $5.00 for each one-half unit of high school credit.

Students may enroll at any time but all courses must be completed within one year from date of enrollment. Students may be reinstated for a period
of six months on payment of a fee of one dollar, provided they have regis-

tered since July 1st, 1930, but if they registered before that date a reinsta-

tement fee of $1.00 a credit hour will be charged.

In certain courses requiring apparatus, special outlines, guides, or other

equipment, an additional fee is charged. Make all checks payable to the

order of the Secretary, Utah State Agricultural College.

No fee will be refunded on account of the student’s inability to begin or

continue a course for which he has registered.

EXAMINATIONS

Before a final grade is given in any subject, an examination is required.
Whenever possible, this examination is to be taken at the College; where this
is not possible, the examination may be taken before a city or a district super-
intendent of schools, a school principal, or if neither of these is available a

teacher approved by the department. The examined student will pay any
expenses that may be incurred in connection with the examination.

CREDITS

A memorandum of credit will be issued on the completion of any of the
courses of study, the payment of all dues, and the return of reference books
and bulletins; this credit may be used to apply towards teacher’s certifi-
cation or towards graduation from the Utah State Agricultural College and

many other colleges and universities of the country.

One-fifth of the number of credits necessary for a bachelor’s degree may
be earned through correspondence-study. The amount of credit to which the
student is entitled for the completion of any work is given in the description
of courses outlined on the following pages.

Courses of Instruction

AGRICULTURAL ECONOMICS AND MARKETING

W. P. Thomas, Professor
W. U. Fuhriman, Associate Professor
George T Blanch, Associate Professor
H. H. Cutler, Assistant Professor
Ernest Morrison, Assistant

53. Principles of Agricultural Economics. A general course in the prin-
ciples and problems of agricultural economics including the production on
the farm, distribution of the agricultural income, and government policies
towards agriculture. Prerequisite, General Economics. Five credits.

Text-book: Dummeier and Heflebower, Economics with Applications
Francisco.

62. Principles of Marketing. This course will cover the basic principles
and facts necessary to a clear understanding of the problems of marketi-
Supply of and demand for commodities, prices and production, the economic relations of the primary producers, middlemen and consumers, receive special consideration. Prerequisite, General Economics. Three credits.


70. Farm Management and Accounts. This course deals with the keeping, use, interpretation, and analysis of farm accounts and their use in farm organization and operation. Three credits.


113. Cooperative Marketing. A study of the fundamental principles and practices of cooperative purchasing and marketing. Special attention will be given to the development and growth of cooperative activities among the farmers in the United States. Prerequisite, General Economics. Three credits.


AGRONOMY AND SOILS

R. J. Evans, Professor of Agronomy
D. W. Pittman, Professor of Soils
A. F. Bracken, Associate Professor
D. C. Tingey, Associate Professor
Bliss Crandall, Assistant

1. General Farm Crops. Essentials in the production of the principal field crops; designed as a general introduction to the field of farm crops. Three credits.


6. Soils. Review of the entire field of soil study, designed as a foundation course for all students of agriculture. Four credits.


101. Cereal Crops. The history, cultivation, production, and marketing of cereal crops; a basis for judging and grading plant products. Three credits.


102. Root Crops. Sugar beets, potatoes, mangles, turnips, other crops, and beans; cultural methods, market types, and commercial possibilities are studied in detail. Three credits.


108. Soil Conservation and Management. The composition, nature and management of soils of arid regions; special attention to water relations,
alkali, rotations, and other problems in the management of arid soils. Pre-requisites: Agronomy 6 and either Geology or Bacteriology 1, preferably both. Three credits.


**ANIMAL HUSBANDRY**

W. E. Carroll, Professor
Harry H. Smith, Associate Professor
A. C. Esplin, Assistant Professor
Eldon Campbell, Assistant

10. **Feeds and Feeding.** The principles of feeding and how animals digest and utilize feed. The balancing of rations and the feeding of horses, cattle, sheep, and hogs for economical production. Five credits.


100. **Breed Types of Livestock.** The origin, history, characteristics, and selection of the economic breeds of horses, cattle, sheep, and swine. Five credits.


110. **Beef Cattle Production.** The selection, feeding, and marketing of range and feeder cattle, and the management of the breeding herd of beef cattle. Three credits.


115. **Horse Husbandry.** A study of market types and the breeding, feeding, handling, and selling of draft and light horses. Three credits.


120. **Swine Management.** The management of the breeding herd of hogs, feeding for market, and the fitting for the show. The relation of the industry to cattle farming. Two credits.


125. **Sheep Industry.** A study of the methods of producing sheep for meat and wool under range and farm conditions. Also a study of the sheep husbandry of the leading sheep producing countries of the world. Special emphasis is placed upon sheep and wool production upon the ranches and the farm. The farm sheep include small commercial herds, pure herds, and winter lamb feeding. Three credits.

ART

Calvin Fletcher, Professor
H. R. Reynolds, Assistant Professor
Mrs. Mary Deming, Assistant

2. Elementary Design. Principles of design as applied to color, form, and pattern in the common things about us. Three credits.

32. Color. Color as used in painting, design, and the every day affairs of life. Its physical, psychological, and artistic phases are correlated. Designed for the business man, layman, dramatic artists, art teachers and art students. Three credits.

33. History and Appreciation of Art. Survey course in appreciation of the masters from Cimabue to the present. Designed for the layman desirous of extending his art knowledge as well as for art teachers and art students. Three credits.

123. Home Furnishing and Decoration. Components and principles of art in relation to their use in the home; traditional and modern styles in furniture, garden design; houses, apartments, furnishing plans, furnishing budgets, furniture arrangement, backgrounds, floor coverings, textiles, illumination, accessories, pictures, table equipment, flower arrangement, and practical laboratory problems in home decoration. Five credits.

126. History and Appreciation of Architecture. The characteristics of the great styles of buildings and their evolution, and the development of a taste for good architecture. Adapted alike for the layman, home maker, or teacher. Three credits.

BACTERIOLOGY AND BIOCHEMISTRY

J. E. Greaves, Professor
Ralph Johnson, Assistant

1. General Bacteriology. This course deals with the biology and significance of bacteria. The following are considered: the development of bacteriology; the morphology and physiology of bacteria; bacteria in air, food, and water, and the role they play in the arts and industries. Five credits.
102. **Soil Bacteriology.** Bacteria are considered in relation to soil fertility. Prerequisite, Bacteriology 1. Three credits.


**BUSINESS ADMINISTRATION**

P. E. Peterson, Professor
Thelma Fogelberg, Assistant Professor
L. Mark Neuberger, Instructor

**Accounting**

1, 2. **Introductory Accounting.** The purpose of this course is to present the basic principles of accounting and to furnish working material in the form of questions, problems, and practice sets which require the application of the theory advanced. Principles learned here will be useful as a basis for further study of accounting and as an aid in the understanding and control of the more common problems of business. Technique will be strongly emphasized. Five credits each division.


101, 102. **Fundamentals of Accounting.** A basic course in fundamental theory. Emphasis will be given to the construction and interpretation of accounts. Required of all students majoring in Business Administration and accounting. Prerequisite, Mathematics 34. Three credits each division.


111 **Industrial Cost Accounting.** A detailed study of the principles of cost accounting as applied to manufacturing industry, with particular stress upon methods of burden distribution and interpretation of cost statistics. Lectures with assigned problems and cases. Five credits.


**Business Administration**

25. **Introductory Business Administration.** An introductory course in the fundamentals of business administration. It is intended that this course shall furnish the students with a background for the study of the more complex problems of business. Not open to freshmen. Five credits.


28. **Business Finance.** Treats of the every day problems of the business concern; the principles of sound financing; the various forms of security issues; methods of raising capital through the sale of securities; promotion and underwriting; and the proper management of financial funds. Three credits.

54. Business Psychology. A study of (1) psychological facts and principles applicable to the business functions of production, marketing, finance, and labor and personnel, and (2) psychological methods of attack upon business problems. Three credits.


157. Principles of Advertising. A study of advertising as a device in facilitating the distribution of commodities. The course includes a study of the structure of advertisements for different products, the choice of media, and the work of advertising departments and agencies.


SECRETARIAL SCIENCE

30. Business English. This course aims to give the student practice in the writing of different kinds of business letters including Sales, Credit, Collection, Adjustment Letters, and Letters of Application. The latest trends in business correspondence will be stressed. Three credits.


75. Elementary Stenography. Thorough drill in the fundamentals of the Gregg system of shorthand. Five credits.


81. Speedwriting. This course is an abbreviated system of longhand—A Natural Shorthand. Speedwriting is a shorthand written with the a, b, c's. This course is recommended to students for the taking of ordinary office dictation, and also to facilitate note-taking. Average speed of dictation at end of course, 60 words a minute. Five credits.


86. Typewriting 1. This course is designed to develop correct technique in: Position—Syllable, Word, and Sentence Drills. Strokes—Rhythm, Number, and Shifting Drills. Mechanical Features—Acceleration and Concentration Drills. Mastery of Keyboard—Introduction of "Time" Writing. Average speed at the end of the course 20 words a minute. One credit.


87. Typewriting 2. This course continues with the advanced development of those features of the beginning course and in addition includes: Setting-up Copy—Frequency, Phrase, and Word Combination Drills. Sentence and Paragraph Practice. Average speed, end of the course, 25 words a minute. One credit.

Text-book: Same as for 86.

88. Typewriting 3. This course continues with the advanced development of the features developed in Typewriting 1 and 2, and in addition includes:
Letter writing, stressing Placement, Essentials, Styles, Tabulating. Average speed, end of the course, 30 words a minute. One credit.

Text-book: Same as for 86 and 87.

175. Office Management. This course is designed to familiarize students with all phases of business practice which the office assistant is called upon to perform. Aside from the general office routine, attention will be given to office management itself, office lay-out, and equipment with the view of preparing the student for some of the duties of the office manager. Prerequisites, two years typewriting and Stenography, Elementary Psychology, Introductory Accounting, and General Economics. Three credits.


DAIRY HUSBANDRY

George B. Caine, Professor


Text-book: Same as for course 109.

ECONOMICS

W. L. Wanlass, Professor
L. Mark Neuberger, Instructor

4. Economic Resources of the United States. An analysis of the resources and industries of the United States, with emphasis upon their regional distribution. Effects of the physical and geographic environment upon population and the social system. Particular attention is paid to those forces bringing about changes in our economic structure. Three credits.


30. Economic Development of the United States. This course indicates the dominance of economic forces in history. A critical study of the evolution and progress of American agriculture, industry, commerce, transportation, banking, labor organizations, etc., from the Colonial period to the present time, ending with a survey of existing institutions. Three credits.

51. **General Economics.** An introductory course covering the entire field of economics. After a brief survey of man's economic development, a careful survey is made of those fundamental principles upon which modern economic life is based. Attention is also given to such subjects as money, credit, exchange, the business cycle, price, etc. Five credits.


52. **Advanced General Economics.** This course is especially designed for students in the School of Commerce and others who desire a thorough grounding in economics. A more intensive study of economic laws will be made with special reference to their application to present economic problems such as: business cycles and their control, free trade and protection, stabilizing the monetary system, reduction of inequality, the plight of agriculture, government regulation and ownership, liberalism, socialism, communism, economic planning, and economic progress. Prerequisite, Economics 51. Five credits.


125. **Labor Problems.** A study of the labor situation from the social point of view. Special attention is given to labor problems and to methods of securing industrial peace. Prerequisites, Economics 51, 52. Three credits.


155. **Principles of Taxation.** After a brief survey of the fundamental economic principles of public finance, a critical examination of our federal, state, and local taxes, and the various business taxes will be studied. Prerequisites, Economics 51, 52. Five credits.


### EDUCATION

Ernest A. Jacobsen, Professor  
C. E. McClellan, Professor  
LeGrande R. Humphreys, Professor  
E. N. Reese, Assistant  
Russell Humphreys, Assistant

104. **Elementary School Curriculum.** This course is designed to familiarize prospective elementary teachers with the content of the elementary curriculum and the objectives and standards to be realized in the grades. Three credits.


105. **Principles of Teaching in Elementary Schools.** The spontaneous purposeful activity of the child as the basic principles determining teaching
procedure. Subject matter reviewed in the light of the foregoing thesis. Significance to teachers of the fact of individual differences. Consideration of school room equipment, organization and play activity. Three credits.


110. History of Education. A brief review of the historical development of educational theories and practices from the Greeks to the present. Special emphasis will be placed upon the relation of education to the social, religious, political, and industrial conditions of the period. Important educational reformers will be studied for the lessons they may teach to modern education. Three credits.


111. Principles of Education. This course shall be thought of as an orientation or beginning course required of all who intend to teach. It shall cover such topics as:

(1) The aims and purposes of Formal education.
(2) Methods of procedures in Educational thinking.
(3) The origin and development of the various divisions of Public Education.
(4) The place of the Teacher in the school program.
(5) The administration of pupil affairs. Three credits.


112. Supervision of Instruction. This course is intended to be of assistance to teachers who wish to become superintendents or supervising principals. It deals in a practical way with the aims to be attained by supervision, describes conditions and problems likely to be met, and suggests methods of solving such problems. Three credits.

Text-books: Gist, Administration of Supervision. 1934 edition, $2.00. Scribner's & Sons, N. Y. Barr and Burton, Supervision of Instruction, $2.00. Appleton-Century Co., N. Y.

121. The Organization and Administration of Education. (a) the State Law and regulations of the State Board of Education pertaining to public schools; (b) courses of study, including the Utah State course; (c) organization, duties, and activities of the teaching staff and the student body. Three credits.


An analysis of the various agencies in guidance and personnel work and how to organize them in our secondary school system. Three credits.


131. **Educational Tests and Measurements.** A course dealing with the history, principles and practices of the testing movement. Analysis of types of tests, their construction and use, with some practice in giving, scoring, and interpretation. Three credits.


**ENGLISH**

N. Alvin Pedersen, Professor
Fannie M. Vernon, Assistant Professor

10. **English Composition.** Fundamentals in sentence and paragraph structure; drills and tests for accuracy; practice in outlining and organizing material; attention to correct usage; emphasis on expository writing. Five credits.


33. **Short Story.** A study of the technique of the short story. English, American, and European stories will be analyzed. Encouragement will be given to those who wish to write. Four credits.


19. **Appreciation of English Literature.** Many persons who are fond of reading do not know the difference between the fine and the ordinary in English writing. The object of this course is to develop taste and a sound critical faculty in judging the author’s purpose in literary workmanship. Two credits.


50. **Survey of English Literature I.** The literature of Great Britain from the Anglo-Saxon period to the close of the Elizabethan Age. Three credits.


51. **Survey of English Literature II.** The literature of Great Britain from the Puritan Age to the beginning of the Age of Romanticism. Three credits. Text-books: Same as for 50.
52. Survey of English Literature III. The literature of Great Britain from the Age of Romanticism to the present day. Three credits.
   Text-books: Same as for 50 and 51.
82. American Literature. From Colonial times to the present. Five credits.

160-161-162. Recent Novel. This course offers an opportunity for the study of some of the most significant literature of our time. Among the authors to be read critically are: Meredith, James, Howells, Hardy, DeMorgan, Phillpotts, Bennett, Wells, Galsworthy, Wharton, Conrad, and Hergesheimer. Prerequisites: Freshman composition and English Literature. Those desiring to take this course who do not have these prerequisites may do so only by special permission. Three, six, or nine credits.

163-164-165. Modern Drama. A study of the drama from Ibsen up to the present time with some emphasis on recent plays. Three, six or nine credits.
   Text-books: Dickinson, Chief Contemporary Dramatists. $3.50. First Series, Houghton Mifflin Co., San Francisco. The dramas required in the course.

ENTOMOLOGY

W. W. Henderson, Professor
Fred C. Harmston, Assistant

13. Economic Entomology. A study of the insects in their relation to man and his products, also the best ways of controlling them. Six credits.

GEOLOGY

James Stewart Williams, Professor
Archie Griggs, Assistant

3. Physical Geology. A general introduction to the study of physical geology, including an introduction to the rock-forming minerals and rocks, the composition and structure of the earth's crust, and the physical agencies of erosion that operate upon its surface. Volcanism and deformation of the crust including earthquakes and mountain building are also considered, together with the origin of land forms. There is a brief introduction to mineral resources. Prerequisite: Chemistry 1. Five credits.
HISTORY

Joel E. Ricks, Professor
Dello Dayton, Assistant


50. History of Civilization. Deals with the history of mankind in Europe from prehistoric times to the present with particular reference to the economic, social and cultural conditions which have had influence in shaping European civilization and which present a background for recent historical events. Three credits. Text-book: Shapiro and Morris, Civilization in Modern Europe. 1930 edition. $2.20. Houghton Mifflin Co., San Francisco.

124. Modern European History, 1815 to 1914. The reconstruction of Europe after the great upheaval at the beginning of the 19th Century and the development of the control of affairs by the middle classes of the various nations together with the spread of imperialism, receive consideration. Three credits.


128. Recent European History. Twentieth century world. The broad historical movements of the twentieth century are developed with emphasis concentrated on the period since the World War. While European developments receive major consideration, attention is given to the Orient and to the Americas, particularly the U. S. Three credits.


HORTICULTURE
A. L. Wilson, Professor
Francis M. Coe, Assistant Professor

Note: The student is urged to do the laboratory work in the following courses when in attendance at college and earn one extra credit.

1. General Horticulture. This course, which covers in an introductory way the field of Horticulture, may be used to satisfy the orientation course requirement in the School of Agriculture. A study of the opportunities of profitable fruit production in the intermountain regions. Some attention is given to vegetable gardening, plant propagation, landscape gardening, and floriculture. Three credits.


3. Landscape Gardening. Theory and practice of laying out and beautifying home grounds in the city and on the farm. Trees, shrubs, vines, permanent gardening, garden appreciation. This course is designed to meet the needs of women as well as men students and is particularly valuable to teachers. Two credits.

4. Vegetable Crops. In this course special emphasis will be placed on (a) types of vegetable production and factors underlying the industry; (b) location and plan of the home and the commercial garden; (c) garden soils, soil management, and garden fertility; (d) seeds and seed growing; (e) plant growing and plant growing structures; (f) harvesting, handling, and storage of vegetables. Varieties and cultural practices for individual crops will receive only brief attention. Two credits.

Text-book: Thompson, Vegetable Crops, $5.00.

IRRIGATION AND DRAINAGE PRACTICE
George D. Clyde, Professor
O. W. Israelsen, Professor
Ivan Teuscher, Assistant

CE 141. Hydraulics. Laws of liquids in motion and at rest, flow in natural and artificial channels, and elementary principles of water power development, water measurement, and pumping. Prerequisite, calculus. Four credits.


AE 12. Irrigation and Drainage Practice. Water measurements, effects on soil and plants of time and frequency of irrigation, duty of water, design of farm ditches and preparation for farm drainage. This course may be used as a major or minor in the Department of Agronomy and is especially designed for engineering students. Three credits.


AE 12A. Irrigation Principles and Practices. A study of factors underlying efficient and economic use of water and irrigation. Emphasis is given irrigation methods and their relation to soils and irrigation efficiencies; the plant and irrigation; and irrigation water supply and its physical control. Brief consideration is given social and administrative aspects of irrigation. Major research problems in irrigation, and the irrigation of standard crops are stressed. This course is especially designed for agricultural students. Three credits.


MATHEMATICS

Vance H. Tingey, Professor
Forrest Jensen, Assistant

34. College Algebra. For students who have had but one year of high school Algebra and wish to pursue further some mathematical work. Students presenting more than a unit of high school Algebra will not be given credit for Math 34. Five credits.

Text-book: Brink, College Algebra. $2.25. Appleton-Century Co., N.Y.

35. College Algebra. For students who have had more than one year of high school Algebra and for those who have had Math. 34. Required for all higher work in Mathematics, Physics, Chemistry, Bacteriology, and Engineering. Five credits.

Text-book: Same as for 34.

46. Trigonometry. Prerequisite or parallel Mathematics 35.

Text-book: Brink, Plane Trigonometry. $2.00. Appleton-Century Co., N.Y.

MECHANICAL DRAWING

Russell R. Poynor, Instructor


Text-book: Giesecke, Mitchell and Spencer. $3.00. By the same authors, Technical Drawing Problems. $1.40. Both by Macmillan Co., San Francisco.
   Text-book: Same as for 61. Problems assigned by the Instructor.

CE 63. Descriptive Geometry. Point, line, plane problems, developments intersections, surfaces, mining problems. Prerequisite CE 61. Three credits.

CE 71. Map Reading and Topographical Drawing. Topographical lettering, symbols, enlargements and reduction of maps, models. Prerequisite CE 61. Three credits. Same text as for CE 61.

75. Architectural Drawing. Freehand sketching, perspective, shades and shadows, building details, plans and details of typical dwelling house. Prerequisite CE 61. Three credits.

PHYSIOLOGY AND PUBLIC HEALTH

E. G. Carter, Professor
C. L. Anderson, Associate Professor
Thelma Skanchy, Assistant

4. Anatomy and Physiology. A study of the structure and functions of the human body. This course is prerequisite for all Upper Division courses in Physiology and Health. Five credits.

14. Health Education. An informational course dealing with the basic physiological factors in hygiene and health education, and opening up the fields of health promotion and disease prevention. Three credits.

108. Public Health and Hygiene. (May be used for High School Certification.) This course is designed to acquaint the student with a broad conception of the hygiene and preventive medicine. The several approaches to positive health will be discussed and the general field of public health activities will be outlined with emphasis on health in the secondary school. Prerequisite, Physiology 4. Five credits.

POULTRY HUSBANDRY

Byron Alder, Professor
Carl Frischknecht, Assistant Professor
James Udy, Assistant

2. General Poultry Husbandry. A study of the characteristics of the more popular breeds of chickens and of the important practical problems associated with breeding, incubation, brooding, housing, feeding, disease con-
trol, and marketing. The outline for each lesson emphasizes a close study of the practical problems associated with commercial and farm production and gives to the student a general idea of the importance of the poultry industry to the nation and to this state. Three credits.


**PSYCHOLOGY**

Arden Frandsen, Professor
Arlene Hadfield, Assistant

3. **Elementary General Psychology** A study of the general principles of human behavior, with application to (a) understanding oneself as a personality, (b) improving methods of work and study, and (c) to understanding and controlling behavior in home, school, business, social and political situations. Three credits.


102. **Educational Psychology.** A professional course for prospective teachers, intended to increase understanding of personality and to develop greater insight into conditions under which children learn. Three credits.


**SOCIOLOGY**

Joseph A. Geddes, Professor
Herbert Milligan, Assistant

10. **Rural Sociology.** In this course, a study is made of the problems of rural life as a basis for constructive action in developing and maintaining an efficient and wholesome civilization in the country. Three credits.


50. **The Crime Problem.** This course is concerned with the broader aspects of crime as a serious contemporary problem. Such topics as the extent, nature, causes of, theories concerning, techniques for coping with, programs for prevention, etc., furnish the course content. Three credits.


70. **Principles of Sociology.** The foundations of sociology are studied in order that a plan of social progress may be formulated. The problems of social origins, social structures, public opinion, social activities, social organization, and social evolution are carefully considered. Prerequisite for all upper classes. Five credits.

161. Modern Social Problems. A selection of a series of social problems is made. The problems are studied with the two-fold object of ascertaining the present situation and arriving at common sense solutions. Prerequisite, Soc. 70. Three credits.

171. Family Relations. In this course the relations of the family with outside groups, agencies, and institutions are stressed. Attention is also paid to the inter-relation between the different members of the family. Home life is treated as a changing, developing basic organization which should be in constant reciprocal relation with outside agencies. Three credits.
Text-books: Groves, The American Family. 1934 edition, $3.00. Groves and Brooks, Reading in the Family. This book may be rented to students for a period of two weeks. Both books are by Lippincott, Chicago.

172. Poverty and Dependency. A study is made of the extent of poverty, its causes, remedies now in use and others which give promise. Social methods of caring for dependents are examined. Emphasis is placed on programs which look to prevention and to minimization as well as to adequate care. Prerequisite, Soc. 70. Three credits.

High School Courses

AGRONOMY

a. Elementary Agronomy. Practical information on crops and soils for high school students. One-half unit.

BUSINESS ADMINISTRATION

a. Economics of Business. A study of the various kinds of business activities and the fundamental principles underlying them. Principles of management; analysis of accounting; factory, business and labor efficiency; buying and selling; principles and mediums of advertising, money and credit, trade marks, patents, etc. One-half unit.

ECONOMICS AND SOCIOLOGY

a. Elementary Economics. A high school course giving a practical knowledge of modern theories and problems of economics, rent, wages, interest and profits, money, wealth and wages. One-half unit.

b. Elementary Sociology. A high school course in sociology which takes a comprehensive view of the whole field of social organization. A
course to meet the needs of those who desire a better understanding of the facts which underlie society as well as the student who wishes a foundation for further work in economics or sociology. One-half unit.


EDUCATION

a. Extension Leadership. Volunteer local 4-H club leaders who attend the sessions of the club leaders' training school which is held at the Utah State Agricultural College under the direction of the Extension Service may receive credit in the Department of Correspondence-Study for work done as local 4-H club leaders, by making proper application. The leader is expected to enroll and conduct a 4-H club project in which he or she receives instruction. At least six members must be enrolled and 75% of the members enrolled must complete the project before the leader can be given credit.

The club must be conducted so to meet requirements of a standard 4-H club. Each leader who applies will be expected to make a report of his club activities to the office of the Club Specialist. Blanks for the report will be supplied from the State Club Office.

Leaders who attend the club school will be expected to train local leaders in the county, in addition to conducting a 4-H club.

High school graduates may receive three hours of college credit for one quarter. Those who are not high school graduates receive one-half unit of high school credit.

ENGLISH


b. Composition and Classics II. Second year high school English. A study of classics and composition. Special drill on paragraph writing. One unit.


c. Composition and Classics III. Third year high school English. A further study of classics; written composition with emphasis on correct English. One unit.

GEOLOGY

a. **Physiography.** A high school subject treating the earth as a body in space; surface structure, erosion, aggradation, etc.; the atmosphere and the influences of physiographic conditions on the development of an agricultural region. One-half unit.


HISTORY

a. **Ancient History to 376 A. D.** Oriental and Greek History to 146 B. C. Roman History to 376 A. D. One unit.


b. **European History from 1600 to 1914.** One credit.


c. **English History (955 B. C. to present)** A course dealing with the rise of the English people socially and politically; the development of constitutional government; colonial expansion, industrial development and the rise of the British Empire. One unit.


d. **United States History.** A high school course in United States History from the earliest times to the present. One unit.


e. **Industrial History of the United States.** This course gives the student a knowledge of the industrial development of the U. S. It emphasizes the extent and significance of the changes in agriculture, manufacturing and transportation, deals also with the development of the modern city and with the financial problems of our industrial life. One-half unit.


HORTICULTURE

a. **Fruit Growing in the West.** Elementary principles and practices of propagation, planting, pruning and care of the fruit plants. Essential points in culture of apples, peaches, plumbs, cherries, grapes, and berries. One-half unit.

c. **Principles of Gardening.** Elements of utility and ornamental gardening. Essentials of market gardening, truck production, home vegetable and flower gardening, landscaping. One-half unit.

MATHEMATICS

a. **Algebra.** A first year course in high school algebra. One unit.

b. **Plane Geometry.** A high school course. One unit.

**PHYSIOLOGY AND PUBLIC HEALTH**

a. **Elementary Sanitation.** A high school course dealing with bacteria in relation to public health. The nature, cause, and prevention of communicable diseases, the sanitary necessities of the community and the individual are considered together with a careful consideration of the hygiene of the child. One-half unit.

**POLITICAL SCIENCE**

b. **Civics.** A high school course dealing with the analysis of the organization and activities of local, state and national government. The rise and development of political parties and a study of the powers and duties of the different departments of government. One-half unit.