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Utah State Agricultural College

BULLETIN

SUMMER SESSION
Announcement for 1942

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Football Coach, Southern Methodist University

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Associate Professor in charge of Commercial Teacher Training and Secretarial Administration, University of Southern California

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BEN M. CHERRINGTON
Director, Foundation For The Advancement Of The Social Sciences, University of Denver

W. W. CHRISTENSEN
Superintendent of Schools, Idaho Falls, Idaho

NATALIE ROBINSON COLE
Los Angeles City Schools

ELBERT K. FRETWELL
Professor of Education, Teachers College, Columbia University, New York City

CLIFFORD P. FROEHLLICH
State Supervisor, Occupational Information and Guidance Service, Fargo, North Dakota

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Lecturer, Salt Lake City

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SUMMER SESSION

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Professor of Agricultural Education, University of Georgia, Athens, Georgia

FRANKLIN R. ZERAN
Specialist, Occupational Information and Guidance, United States Office of Education, Washington, D. C.

STANDING COMMITTEES

Attendance and Scholarship—Professors Dunn, Hill, V. H. Tingey, Colonel Cross, Mr. Bell.

Certification of Teachers—Professor McClellan, Mr. Nielsen, Mr. Bell.

Entrance—Professors Hirst, Egbert, Kelker, Mr. Madsen, Mr. Clark, Mr. Bell.

Graduate Work—Professors Maeser, J. E. Greaves, Evans, Willard Gardner, Jacobsen, P. E. Peterson, King Hendricks, Mr. Bell.

Housing—Dean Croft.

Registration—Professors V. H. Tingey, Bird, Calvert, Hunsaker, George C. Jensen, Scholes, Mr. Bell, Mr. Berntson.

Student Employment—Mr. Pocock.

Summer Session Entertainment—Professors Joseph R. Jensen, Miss Goold, Dean Croft, Dean Hendricks, Mr. Young, Mrs. Carlisle.

Teacher Placement—Professor L. R. Humpherys.
Utah State Agricultural College
1942 Summer Session

The thirty-sixth annual Summer Session of the Utah State Agricultural College has been planned to meet the specific needs of teachers and students in the time of war. Every institution and every activity must justify itself as never before in this period, and this fact was taken into consideration in making out the program. Probably never before in the history of American education has there been such a turn-over of teachers in the elementary and secondary schools as will occur for this coming year. Hundreds of teachers in this Western area are being called to regular Army service, others are making their contributions in defense industries; and the number in both instances is certain to be increased between now and next September. At the same time the elementary and secondary program must go forward. Just at the time when the teachers are leaving the profession the country demands better teaching. The citizens of the future cannot be neglected if democratic institutions are to persist. Under these circumstances many former teachers are being called back to serve again. Likewise teachers are being employed, and will be, who have not fully met the requirements of training and experience that have been customary in the past. The College has felt that its program should be directed in some degree toward the needs of these new and returning teachers who need refresher courses before entering on their new and highly important responsibilities.

Of almost equal concern, from the standpoint of the future of the country, is the problem of guidance for young people, particularly those on the secondary level. This task is extremely complicated, but it must be done and it must be done in the schools. In fact, it is constantly being done at the present time, but probably there is considerable inefficiency and, unquestionably, a great deal of inexpertness in solving the vocational and moral problems of young people. There has long been a recognition of better guidance training at the College, and this year it was decided to emphasize this part of the program as never before. A three-summer schedule for an advanced degree in guidance has been prepared and the program opens this year with a large number of visiting teachers cooperating with the local staff in the most intensive program of this type ever offered in this area. The United States Office of Education is cooperating and is sending Dr. Royce Brewster and Dr. Franklin Zeran. Other supporting teachers are also to be present.

Other individuals who will find the program interesting and helpful are many undergraduate students who use the Summer Session to hasten the completion of graduation requirements, and even more
important, to bolster some part of their preparation which required
courses prevent during the regular year.

Special teaching groups such as the Smith-Hughes teachers, those
in home economics, art, physical education and coaching, music,
English, and others, use all or part of the Summer Session for con-
centrated training in their particular fields.

The practice of having a daily lecture hour has been of incalcul-
able value to resident faculty, townspeople, and students alike. Through
the years, these daily sessions featuring thoughtful and mature dis-
cussions by America’s greatest scientists, artists, and teachers have
given the Utah State Agricultural College Summer Sessions character
and truly spiritual strength.

VISITING FACULTY

Each year the Summer Session gives opportunity to its students
to study with selected leaders in the various fields of education. They
are drawn from all sections of the country. Many of these teachers
have achieved international recognition and all have made significant
contributions to scholarship.

The 1942 Summer Session is no exception so far as the high
quality of the visiting faculty is concerned.

Dr. E. G. Blackstone, Associate Professor in charge of Commercial
Teacher Training and Secretarial Administration at the University
of Southern California at Los Angeles, will direct the work in Secre-
tarial Science and Business Education which is being given special
emphasis at the College this summer.

Dr. Royce E. Brewster and Dr. Franklin R. Zeran, Specialists in
Occupational Information and Guidance, from the United States Office
of Education, Washington, D. C., will cooperate in the Guidance
program. Other supporting teachers in this field who will also be
present are: Mr. John T. Wheeler, Professor of Agricultural Education
at the University of Georgia at Athens; Mr. Antone K. Romney, Utah
State Director of School-Community Relations, State Department of
Education, Salt Lake City; Mr. Mark Nichols, State Director of
Agricultural Education, State Department of Education of Utah, Mr.
Clifford P. Froehlich, State Supervisor of Occupational Information
and Guidance Service from Fargo, North Dakota, and W. W. Chris-
tensen, Superintendent of Schools, Idaho Falls.

Dr. Elbert K. Fretwell, Professor of Education, Teachers College,
Columbia University, will return to the College to direct work in the
School of Education. Mrs. Natalie Robinson Cole of the Los Angeles
City Schools, and Miss Helen Heffernan, Elementary Supervisor of
the California Department of Education will also offer courses in the
School of Education.
Dr. Ben M. Cherrington eminent political scientist and director of the Foundation for the Advancement of the Social Sciences of the University of Denver will appear for a week of special lectures. 

Mr. Sigmund Spaeth, lecturer and author from New York City, and Edward Howard Griggs from Croton-On-Hudson, New York, are among those listed for special lectures.

Dr. Robert C. Pooley, Associate Professor of English at the University of Wisconsin will again direct the English Teachers' Conference during the week of June 15 and he will teach through the session.

Mr. Orson Ryan, former Superintendent of Logan City Schools, will be at the College for one week to direct work in the Speech Department.

Madison Bell of Southern Methodist will direct the work in football during the Coaching School, and A. T. Gill of Oregon State will supervise the basketball program.

REGISTRATION

Registration for the Summer Session will take place Monday, June 8, beginning at 8 a.m. and continuing to 3 p.m., with the exception of the 11 o'clock hour. Students who fail to complete registration on Monday may do so any succeeding afternoon from 1 to 5 p.m. The first step in registering is to call at the Registrar's Office to obtain registration forms and instructions. No classes except the coaching school are scheduled for Monday, but Dr. Ben M. Cherrington will deliver his first lecture at 11 o'clock and the registration procedure will be discontinued during that hour.

Seven and one-half credits are considered a normal load. The maximum load for which students may register without special action of the attendance and scholarship committee is nine credits for the full six weeks; five credits for three weeks, or three credits for two weeks. If excess credit is granted by the committee, a special fee of $2.00 per additional credit will be charged. A reduction of one and one-half credits per week will be made in the maximum credits allowed late registrants, as well as those students who register for less than the six weeks' period. Scheduled courses, whether regular or intersession, will not be given if less than five students register.

All graduate students who wish to complete requirements for the Master of Science degree must register with the Committee on Graduate Work. This committee's office for Monday, June 8, is the Registrar's Office; thereafter, Room 306, Widtsoe Hall.

CLASS SCHEDULE

Classes will begin at 7 a.m. throughout the Summer Session. Four periods are scheduled during the morning hours: 7, 8, 9, and 10.
Bells ring on the hour and classes begin ten minutes later; that is, at 7:10, 8:10, 9:10, etc. The 11 o'clock hour is kept open as a lecture period and no classes are scheduled at that time. Afternoon classes begin at 1 p.m. and continue on the hour until 5 p.m. The above schedule will not be followed during the Intersession, when class hours will be arranged.

GRADUATE WORK

For detailed information on graduate work see the general catalogue. Those who expect to register for the first time for work leading to an advanced degree should submit their credits to Dr. Sherwin Maeser, Chairman of the Committee on Graduate Work, several weeks in advance of registration and indicate the subject in which they wish to major. This will make it possible to have the course of study approved at the time of registration. Registration cards of all graduate students working toward a degree must be signed by Dr. Maeser. For a more complete statement of requirements for the Master of Science or the Master of Education degree, consult the 1941-42 general catalogue, page 55.

Students in agriculture wishing to do graduate work during the Summer Session may register regularly for summer school work and be assigned to specific duty with members of the Experiment Station staff. Credit will be given for this work toward an advanced degree. Students who anticipate taking advantage of this opportunity should apply early so that the particular work in which they are interested may be arranged in connection with the summer program. Registration for such work should follow the regular course.

MASTER OF EDUCATION DEGREE

The offering of the Master of Education degree is restricted to those who have had successful teaching experience and emphasizes the professional improvement aspect of teaching. The Master of Education degree is offered in five major divisions of work: Agriculture, Home Economics, Biological Science, Physical Science and Social Science. The work leading to this diploma aims to serve the following purposes:

(a) Provide graduate training in professional education.
(b) Provide a clearer understanding of the learner and his needs.
(c) Provide a clearer understanding of society and its needs.
(d) Provide enriched background of subject matter in the field of the teaching major.

Requirements for the Master of Education degree are set forth in the general catalogue on page 56, or may be obtained by request to the Department of Education.
FEES

General Registration Fee for Six Weeks ........................................... $20.00
Registration for Three Credits or Less ........................................ 8.00
Registration for Three Weeks or Less (Not Exceeding Five Credits) ..... 12.00
Coaching School Fee ........................................................................ 10.00
(Students who pay the regular $20 fee may attend the Coaching School without additional charge.)
English Conference (No additional fee if registered for Summer Session) .................. 5.00
Listening Fee (Per Course) ............................................................... 2.00
Excess Credit (For Each Credit) ....................................................... 2.00
Intersession Fee (Maximum of Six Credits) ....................................... 10.00
(Second half of Secretarial Science Course is considered Intersession.)
Library Fee for Children’s Literature ................................................ 1.50
Child Guidance, Home Economics 60 (Laboratory Fee) ....................... 1.00

Students who pay the regular fee will be admitted without additional charge to all lectures, entertainments, and special features.

LIVING ACCOMMODATIONS

Board and room accommodations can be obtained near the campus at very reasonable cost. Many small apartments are also available for the Summer Session. The College maintains a Housing Bureau which is prepared to aid students in making satisfactory living arrangements.

The Women’s Residence Hall will be open during the Summer Session and reservations should be made in advance through the Dean of Women or the Secretary’s Office at the Utah State Agricultural College. Accommodations are available on the basis of two persons or one person in a room. Meals for the residents of the Hall will be served in the Cafeteria each day through the Summer Session. All inquiries concerning the Women’s Residence Hall should be addressed to the Dean of Women.

READING AND CONFERENCE COURSES

This summer the College again offers courses in several departments titled "Reading and Conference," designed to meet the requirements of experienced teachers wishing to do advanced work in their particular fields. In departments where the course is not listed students should apply to the teacher or department head.

Students who register for one or more of these courses will be directed by a member of the staff in selected reading in their fields.
of interest. Frequent conferences and consultations will be held with the staff members during the Session. Such courses should permit able teachers and students to advance more rapidly than would be possible in the more formal courses.

COACHING SCHOOL

Competitive athletics was never more important in our American history. Our armed forces recognize the incomparable value of the competitive athletic program on both the college and high school level. For fifteen years now the Summer Session has sponsored a Coaching School program which has brought the country's top men in football and basketball to Logan and the College.

This vital program is again being emphasized. Consequently, Matty Bell of Southern Methodist will direct the work in football and A. T. Gill of Oregon State will supervise the basketball program. Bell is president of the National Football Coaches Association, an honor which indicates the high regard in which he is held by his colleagues. He is one of the top men in the field. Gill's record at Oregon State is brilliant and he has the ability to teach what he knows.

The Coaching School is a concentrated program conducted for one week, June 8 to 12. Green fees at the Logan Golf and Country Club are waived for the registrants during the week.

DEMONSTRATION SCHOOL

A demonstration school will be held daily from 1 p.m. to 3 p.m. during the second three weeks of the Summer Session, June 30 to July 17. Registration is free and will be limited to children nine and ten years of age. Visitors to the Summer Session who may wish to enroll their children in this demonstration school should send in their reservations as soon as possible to Miss Edith Bowen, Utah State Agricultural College Training School, Logan, Utah.

FORESTRY SUMMER CAMP

Although given annually for several years the Forestry Summer Camp will not be held this year because of the war. Camp headquarters 20 miles up Logan Canyon will be available for other Summer Session uses.

GUIDANCE PROGRAM

No responsibility bears more heavily upon the schools than that of advising and guiding the young people who attend them toward their future both vocational and spiritual. The monumental need for better and more scientific guidance is widely recognized. Never was the problem more acute than in the world of the present.
The College has recognized that it must offer help to administrators and teachers in this field. Not only has a three-year summer program leading toward the Master's degree in this field been worked out, but for this summer expert help has been drawn from various parts of the country.

Dr. Royce Brewster and Dr. Franklin Zeran, both of the United States Office of Education, will be in attendance at the Session. Guidance is their field of specialization and they are being released from duty in Washington, D. C., for the purpose of initiating a comprehensive and practical program for the school people of this intermountain area. Cooperating with them and working under the general direction of Dr. Brewster will be Clifford Froehlich, State Supervisor of Guidance for North Dakota; Superintendent W. W. Christensen of Idaho Falls, Idaho; members of the resident faculty and representatives from Utah and surrounding states.

Dr. Elbert K. Fretwell of Teachers College will also contribute to the intensive program. The work is arranged in order that students can register for either three or six weeks.

MATHEMATICS

This war is a scientific war, and we are discovering anew every day, that those young men who have the necessary basic training in mathematics are a great asset to their country. Indeed, many services, including both the Army and Navy Air Corps, and other divisions offering Reserve Commissions require a certain minimum of mathematics on the college level. This means at least college algebra, trigonometry, and astronomy.

Several of these basic courses in mathematics are being offered during the regular term. The department will offer any course during the Intersession for which ten students petition.

RECREATION AND ENTERTAINMENT

Summer Session students will be offered many recreational and cultural features during the six weeks. Several dancing parties, canyon parties, conducted tours to adjacent regions of special interest are scheduled in accordance with regular plans.

Several artists in the field of music are listed for appearance including Sigmund Spaeth, Irving Wasserman, Reid Nibley, and Albert Shepard. Negotiations are under way with other artists, making the music program of superior quality.

SECRETARIAL SCIENCE AND BUSINESS EDUCATION

The country needs people, particularly young women, expertly trained in secretarial science. This is no longer a field which merely
offers vocational opportunity. It is one which is essential to national welfare.

The summer program of the College in this field is directed toward the needs of two groups—teachers and prospective teachers of secretarial science and those who wish to spend a full summer improving their practical skill.

Dr. E. G. Blackstone of the University of Southern California, a national figure in business education, will offer two essential courses for teachers and his work will be followed up by the resident faculty. This opportunity has never been offered previously in Utah to teachers in this field.

Students without training in typewriting and stenography or those who have had some work but are not sufficiently skilled, will find courses which they can pursue for eleven weeks, June 8 to August 21. Such students can discontinue and receive credit at the conclusion of six weeks, July 17, but it is recommended that they take full advantage of the opportunity and continue for the entire quarter's work. Students who have not completed high school, but want the courses, will be admitted on approval of the instructors concerned.

INTERSESSION

Regularly scheduled Intersession Classes will begin Monday, July 20 and continue for four weeks. The course in Secretarial Science continues for five weeks. Five or six credits may be earned during this period. Any regular college course which is not scheduled for the Intersession will be given in that period if ten students petition the Summer Session Director and join the class. Credit in the Intersession is computed on the basis of one hour of credit for 12 one-hour lecture periods or 12 three-hour laboratory periods. Registration forms will not be accepted after the close of any Intersession period in which the classes are given.

Students who desire to register for credit in research problems or field studies must make the necessary arrangements with the Registrar's Office at the beginning of the Intersession period. Credits allowed and fees charged for this type of study will depend on the time spent and the work accomplished.

TEACHERS' CERTIFICATION

By attending the Summer Session of the Utah State Agricultural College, it is possible to meet any of the requirements for Utah certification with the exception of practice teaching; and, since the College is on the Accredited List of the Association of American Universities, credit will be allowed for any subject completed in the Summer Session that forms part of the certification requirements of any state.
By September 1, 1942, beginning elementary teachers' certificates will require four years of college credit.

TEACHERS' BUREAU

A teachers' Bureau under the direction of Professor L. R. Humpherys functions in connection with the Summer Session. All teachers seeking employment may register in this bureau. Superintendents and others who employ teachers will find it to their advantage to consult the list of applicants which will be furnished upon request. Interviews with applicants will also be arranged.

KEY TO BUILDINGS

M—Main Buiding
A—Mechanic Arts Building
E—Engineering Building
P—Plant Industry Building
L—Animal Husbandry Building
G—Gymnasium
N—Library Building
F—Forestry Building
W—Widtsoe Hall or Chemistry Building
H—Home Economics and Commons Building

ART DEPARTMENT

Calvin Fletcher, Professor
H. Reuben Reynolds, Assistant Professor


104. Creative Expression. (A) Drawing, (B) Painting, (C) Illustration. After three credits of work are completed in basic art experience the student may specialize in any branch of drawing, painting, book illustration, costume or commercial illustration. The "New Art Education" by Pearson and the "Natural Way to Draw" by Nicolaides are recommended as collateral study. Criticism and instruction daily 2-4. M51. Credit arranged, one to five hours according to time spent. Outdoor sketching will be arranged if desired. Fletcher

110. Lettering and Commercial Art. (A) Show card, (B) Window design and gold leaf lettering, (C) Illumination and manuscript lettering. Credit arranged. Daily criticism 2-4. M53. Fletcher

111. Professional Design. (A) Textile and wallpaper, (B) Interior decoration, (C) Furniture and industrial design, (D) House design and architectural composition. Credit arranged. Daily 2-4. M51. Fletcher


114. Minor Crafts. (A) Leatherwork, (B) Basketry, (C) Polychrom and gesso, (D) Textile decoration including block printing, batik, stenciling, etc. Credit arranged. Criticism 9-11. M52. Reynolds

BACTERIOLOGY AND BIOCHEMISTRY

J. E. Greaves, Professor
Kenneth R. Stevens, Associate Professor

1-S. 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, industries, and in the production of diseases. Two and one-half credits. Daily 9. P301. Greaves

106-S. Sanitary Bacteriology. A fundamental and practical study of micro-organisms as they influence the health and well being of the individual, the home, and the public. Prerequisite Bacteriology 1 or its equivalent Two and one-half credits. Daily 8. P301. Stevens

207. Research. The laboratory and library facilities are especially equipped for advanced students in bacteriology and biochemical investigations in agriculture, household science, the industries, sanitary science, and veterinary science. One to five credits. Time arranged. Greaves and Stevens

BOTANY

B. L. Richards, Professor
Bassett Maguire, Associate Professor

30a. Taxonomy of Flowering Plants. A course dealing with the general taxonomy of flowering plants, ferns, and fern allies. Designed primarily to enable teachers to become familiar with the commoner and more attractive native plants of Utah as they grow in their natural environment. Special attention will be given to the flora of
Cache County. Field excursions as opportunity permits will be taken to other parts of the State. Saturday or week-end trips scheduled. Prerequisites, Botany 1a or 21, 22, and 23, Five Credits. Daily 2-5-P105

**BUSINESS ADMINISTRATION**

P. E. Peterson, Professor  
L. Mark Neuberger, Assistant Professor


130. **Investment Principles.** This course aims to serve private as well as institutional investors. It trains in the methods of security analysis. Principles of selection and protection of security holdings are considered. Two and one-half credits. Daily 8. M303.  

135. **Budget Principles and Procedures.** The basic principles of budget procedures suitable to various types of industrial enterprise are studied. Two and one-half credits. Daily 9. M303.

**CHEMISTRY**

Sherwin Maeser, Professor  
C. T. Hirst, Associate Professor

102-103. **Quantitative Analysis.** This course corresponds to the regular course given during the winter and spring quarters. Each one of these courses will require one lecture and five three-hour laboratory periods a week. A student registering for both courses would be required to spend six hours each day at laboratory work and should not register for additional work except by special permission. Prerequisites: Chemistry 5 or 15. Three credits, each course. Lecture M. W. 2. If the student registers for both courses (6 credits) the laboratory hours are 8 to 11 and 1 to 4. W302.

**ECONOMICS**

W. L. Wanlass, Professor  
E. B. Murray, Associate Professor

52. **Advanced General Economics.** This course is especially designed for students of the School of Commerce and others who desire a more thorough grounding in Economics. Selected problems will be given more detailed analysis than is possible in the introductory course. Two and one-half credits. Daily 7. M358.  

125. **Labor Economics.** The emphasis in this course is on the theory and practice of collective bargaining. Special attention is given to
recent legislation that has promoted the growth of organized labor. Current problems in industrial relations are critically analyzed. Two and one-half credits. Daily 8. M358. Wanlass or Murray

158. War Economics. A study of the problems involved in an effective mobilization and utilization of our productive resources for war purposes. Among the problems studied are the following: war finance and price controls; labor utilization; industrial dislocations; transportation; international economic relations; post-war economic problems. Two and one-half credits. Daily 10. M358. Wanlass or Murray

EDUCATION

E. A. Jacobsen, Professor  
C. E. McClellan, Professor  
L. R. Humpherys, Professor  
John C. Carlisle, Associate Professor  
Edith Bowen, Assistant Professor  
Ellen S. Humphrey, Instructor

Visiting Faculty

Elbert K. Fretwell Professor of Education, Teachers College, Columbia University, New York City
Helen Heffernan, Director of Elementary Education, California State Department.
Clifford Froehlich, State Supervisor Occupational Information and Guidance Service, Fargo, North Dakota
E. G. Blackstone, Associate Professor in charge of Commercial Teacher Training and Secretarial Administration, University of Southern California, Los Angeles
Antone K. Romney Utah State Director School-Community Relations, State Department of Education, Salt Lake City
Natalie Robinson Cole, Ann Street School Los Angeles, California.
John T. Wheeler, Professor Agricultural Education, University of Georgia, Athens, Georgia
Mark Nichols, State Director Agricultural Education, State Department of Education, Salt Lake City
Division of Elementary Education
John C. Carlisle, Chairman

103s. Current Practices in Elementary Education. The course will deal with the aims, functions, and attainable goals of the elementary school in the present social setting. Problems of curriculum and principles of teaching will be emphasized. Two and one-half credits. Daily 10. M204.

107. The Improvement of Reading. The course will deal with basic principles of reading instruction in elementary and secondary schools. Objectives, reading materials, diagnostic and remedial activities all will be considered. Two and one-half credits. Daily 8. M134.

140. The Teacher's Role in the Creative Arts. The course will deal with the arts in the elementary school and the part they play in the lives of children. Techniques for developing creative expression in graphic arts, music, rhythm, and writing all will be considered. One and one-fourth credits. Second three weeks. Daily 9. M354.

141. Observation and Conference. People enrolling in this class will make systematic observation in the demonstration school which will be concerned chiefly with the arts in the classroom. Periodic conferences will be held for the purpose of evaluating the practices observed. One and one-fourth credits. Second three weeks. Time arranged.

142. Teaching About the Americas. The class will be concerned with developing teaching materials about the interrelationships between the United States and the other American countries. Particular emphasis will be given to the elementary school level. First three weeks. One and one-fourth credits. Daily 9. M205.

143. Workshop on Teaching About the Americas. Class members will meet as a group or in committees to plan instructional activities dealing with the interrelationship among the countries of the Western hemisphere. First three weeks. One and one-fourth credits. Daily 1-3 or by arrangement. M205.

193s. Practice in Character Emphasis in Public Schools. This course will deal more specifically with those school programs or activities which have special character implication either for good or for bad. Local needs and procedures will be reviewed. One and one-fourth credits. Daily 10. M206. First three weeks.

Division of Secondary Education
C. E. McClellan, Chairman

123. The Teaching of English. A discussion of aims, materials, and methods in the three fundamental areas of English instruction; speaking, reading and writing. The course is designed for teachers of at
least one year’s experience; others may be admitted with the consent of the instructor. Three credits. Daily 10, plus one hour arranged.

N314. Pooley

145. Safety Education. This course will emphasize (a) the needs for safety education in the modern world; (b) the role of the school in a program of safety; (c) methods and materials for teaching safety. The methods of the course will be that of a series of lectures, discussions, and readings, stressing various aspects of safety and directed by safety specialists from many areas. Two and one-half credits. Daily 2. M204. Staff

179. Methods of Teaching Typewriting. This course will consider modern issues in the teaching of typewriting, including such items as selection of typewriters for school use, whether to use blank keyboards; best type of student desk, copyholders, methods of approach with emphasis on the speed approach, evaluation of the Dvorak keyboard, automatization vs. rhythm, prognosis, diagnosis of errors, remedial instruction, typewriting for personal use, when and how to teach erasing, battery tests, the selection of typewriting textbooks. One credit. First two weeks. Daily 7. M302. Blackstone

183. Problems in Business Education. This course will deal with problems of organization and administration of business education departments such as: The growth of business education and the factors responsible for that growth, probable future developments, floorplans and layouts for business departments, equipment, essential records, financial budgets, publicity programs, supervisory techniques, plans for in-service training of business teachers, adjustments to the defense program, distributive education and N. Y. A. clerical courses, improvement of business education, professional organizations. Two credits. First two weeks. Daily 9-11. M302. Blackstone

187. A Refresher Course in Educational Concepts. An examination of recent modifications in our educational concepts, and their implications for the teacher as they relate to his preparation, purposes, and practices in the secondary schools particularly, and with reference to present war conditions. Intended to be especially helpful to those who are re-entering the teaching service. Credits for this course may be used to satisfy certification requirements for Principles or Methods in secondary education. Two and one-half credits. Daily 8. M279. McClellan

138. A Basic Philosophy of Secondary Education. This is a basic course that in many respects parallels, but does not overlap, the course in “Social Development in the Secondary School.” It includes a consideration of a basic philosophy intended to aid the students in understanding and evaluating current philosophies of secondary education and current social trends and in the end to aid him in formulating his own philosophy in terms of these basic factors. One and one-fourth credits. Daily 8. First three weeks. M204. Fretwell
113s. Principles of Guidance. Basic course for all students. Definitions, history, needs for guidance, problems, purposes, trends facts about programs and practices. This course will seek the answer to two essential questions: The "Why" and "what" of guidance work. Two credits. Daily 10. First three weeks. Group discussion arranged. M280.

170s. Practices and Techniques in Counseling. This course will include use of the individual inventory, and anecdotal records in counseling; case studies, their construction and use in counseling; and methods of interviewing and counseling. Methods of construction, use and interpretation of follow-up studies of school-leavers; occupational surveys; placement activities; and exploring local training opportunities. This course will include group discussion and laboratory work, an individual report, and committee reports. Three credits. Daily 8. Lab. T. Th. 2-4. M280. Brewster, Zeran, and Froehlich

171s. Organization and Administration of Guidance Programs. The purpose of this course is to give a short overview of the problems of guidance and an intensive study in special fields of guidance practices, such as individual inventory; securing, analyzing, and using occupational information; initiating and performing counseling services; the evaluation of curriculum, instructional services, and guidance practices as revealed by studies of school-leavers; planning a guidance program to fit a given administrative situation; placement in next opportunity; and guidance services for out-of-school youth and adults. How, in other words, to provide guidance services in a local school and who shall perform the work. One and one-half credits. Daily 9. First three weeks. M280.

172s. Techniques of Individual Analysis. The techniques of selection, interpretation, and uses of tests; individual inventory; case studies; interview procedures applicable in the individual analysis; and laboratory work in test procedure. Two credits. Daily 9. Last three weeks. Lab. M. W., 2-4. M280. Zeran and Froehlich

173s. Occupational Trends and Vocational Guidance. Occupational trends in the United States and in the regions around Utah; legislation affecting individuals of secondary school age; uses of source materials on occupations; techniques of collecting, filing, and disseminating occupational information; occupational opportunities; and uses of the occupational survey and the follow-up study in revealing local trends. Two credits. Daily 10. Lab. arranged. Last three weeks. M280. Zeran and Froehlich

174s. Social Development in the Secondary School. This course deals with the development of a constructive program of social living
in the secondary school. It includes such topics as: the characteristics of high school pupils, teachers and administrators; community and home relationships—social, political, religious, industrial and economic; the particular kinds of ideas and practices that can make for social development in the organization and administration of the school, in the curriculum, in methods of teaching and of group guidance, and in the school's extra-curricular activities; the relation of the school to other schools and to the state. One and one-fourth credits. Daily 1. First three weeks. M204.

237s. Educational Seminar. This course deals with organization of teaching materials in vocational agriculture on a functional basis. Planned for teachers of vocational agriculture for week June 8-13. One and one-half credits. Daily, time to be arranged.

Wheeler, Humpherys, Nichols

Division of Administration

E. A. Jacobsen, Chairman

116. Articulation of the Educational Program. A survey of existing needs for closer articulation of the various educational units and agencies. Discussion of the factors conditioning nature and extent of articulation and of the unifying principles upon which a well articulated education program rests. Two and one-half credits. Daily. 2. M279. Jacobsen

194s. School-Community Relations. This course will be a consideration of factors which underlie the contact of school with community. It will consider the activities in which the school and community can cooperate for the improvement of the relationship of the school and community. Special attention will be given to programs of Utah schools. One and one-fourth credits. Daily 1. M206. First three weeks. Romney

219. The Principal and His School. The course will deal with the practical problems confronting the principal in the administration and supervision of his school in terms of the changing social scene and changing concepts of school administration. Problems of administration, supervision, curriculum, pupil personnel, school-community relations, as they apply to the work of the principal all will be given consideration. Two and one-half credits. Daily 9. M206. McClellan

221. Advanced School Administration. A general study of the work of the school administrator and the principles upon which the profession of school administration is founded and efficiently practiced. Consideration will be given to major educational problems with which the school administrator is confronted. Two and one-half credits. M. W. F. 2-4. M206. Jacobsen
266. The Place of Research in Education. A brief study of the nature of research with an examination of some of the achievements and contributions of modern science in the field of education. Valuable alike to those contemplating the preparation of a thesis, and to teachers who care to know how their field has been enriched by research studies and experiments. Two and one-half credits. Daily 2. M279. McClellan

271. Research and Thesis Writing. This course provides for individual work in thesis writing with the necessary guidance and criticism. Time and credit arranged.

ENGLISH

N. A. Pedersen, Professor
Wallace J. Vickers, Professor
King Hendricks, Associate Professor
Moyle Q. Rice, Assistant Professor

Visiting Faculty

R. C. Pooley, University of Wisconsin


24. Literature for Children. Introduction to the literature of childhood, old and new. Current books as well as classics of the past are read. The course is adapted to teachers of children, parents, and builders of personal or community libraries. Five credits. Daily 7-9. Moore Library. Library fee $1.50. Pederson

52a, 52b. American Literature. A general survey reading course of American prose and poetry from the Colonial period to the present, with special emphasis on writings that reflect the development of the democratic spirit. Two and one-half credits. Daily 9. N316. Rice

10 or 110. Sophomore or Advanced Composition. Required of all students for the bachelor's degree. The course will emphasize rhetorical and grammatical correctness, vocabulary selection, organization of materials, and the means of acquiring interest, clarity, and compactness in expository and narrative writing. Sophomore Composition, five hours credit; Advanced Composition, four hours credit. Classes meet in combination, daily 8 and 2. N310. Rice

106. English Teacher’s Conference. The second annual summer conference of teachers of English of Utah and surrounding states. The principal problem of the Conference will be to develop a program of reading and literature in the junior high school, senior high school, and junior college, based upon a full recognition of the interests, needs, and abilities of the students. June 15 to June 19. One credit. Daily 9, plus all evening. N310.

120. Current Periodical Literature. This course is designed to acquaint the student with the vast and important field of the present-day magazine. It should aid materially in bringing up to date the information in several fields. In reading for the second half of the course, students will be permitted to follow their own special interests. Two and one-half credits. Daily 10. N316.

123. Teaching of English in Secondary Schools. A discussion of aims, materials, and methods in the three fundamental areas of English instruction: speaking, reading, and writing. The course is designed for teachers of at least one year’s experience; others may be admitted with the consent of the instructor. Three credits. Daily 10, plus one hour arranged. N314.

GEOLOGY

J. Stewart Williams, Professor
Harry Victor Church, Jr., Instructor

1. Introductory Physical Geology. A general survey course of the whole field of physical geology for arts students and others who desire only a broad introduction to the subject. Five credits. Daily 8-10. M283.

HISTORY

Joel E. Ricks, Professor
J. Duncan Brite, Associate Professor

135. History of the Far West. This course will deal with the region from the Rockies to the Far West with special emphasis upon the Intermountain West. Two and one-half credits. Daily 8. N312.

180a. Hispanic America. The Indian civilizations, colonial beginnings of Spain and Portugal in the Americas, the economic and social life, the rise of the Independence movement and the establishment of the Latin American Republics will be stressed in the course. Two and one-half credits. Daily 9. N312.

188. The Pacific and the Far East. A study of the civilizations of the Far East, the United States advance in the Far East and the
foreign policies especially with regard to the present war in the Pacific will be emphasized. Two and one-half credits. Daily 10. N312. Ricks

HOME ECONOMICS

Christine B. Clayton, Professor
Bertha F. Johnson, Associate Professor
Pauline Nutter, Associate Professor
Agnes E. Bahlert, Assistant Professor
Lois Holderbaum, Assistant Professor
Verna Carlisle, Assistant Professor
Margaret Olsen, Instructor
Edna Page, Instructor

Child Development

60b. Child Guidance I. Open to all individuals wishing to acquire a knowledge of the development and guidance of children from birth through the elementary school teachers, social workers, home makers, and anyone interested in, or working with children. One 9, one 10, and one 11 o'clock hour must be free each week to allow for scheduling hours in the Nursery School. Specific hours in the Nursery School will be assigned at the first class meeting. A laboratory fee of one dollar is required. Two and one-half credits. M. T. W. Th. 1. M134 Carlisle

135. Child Care and Training. Beginning with the characteristics and abilities of the young child, the social and emotional development and problems of children through the primary and adolescent periods, are stressed. Emphasis is placed on the importance of the family in assisting the child in acquiring control over himself and his environment. This course should be preceded or accompanied by Psychology 3 or its equivalent. Two and one-half credits. Daily 10. M134. Carlisle

138. Problems in Child Guidance. Open to qualified students. Readings and discussions will relate to the history of the child development movement, present welfare and health care for children, facts concerning their growth and development, the teacher and her relationship to the children, parents, the school, and community agencies. Prerequisite, Psychology 3 and Child Development 60B or its equivalent. Two and one-half credits. Daily 9. M134. Carlisle

Food and Nutrition

106. **Meals for the Family.** The planning, preparation, and serving of nutritionally adequate family meals at different levels of income. Prerequisites, Foods 20 and 21. Two and one-half credits. M. F. 12, T. W. Th., 12-2. H203.

140. **Foods and Nutrition.** Nutrition work with children. An introductory course in the principles of nutrition for teachers in elementary and secondary schools. Attention will be given to the teacher's role, school and home problems in nutrition. Four lectures and two discussion periods. Three credits. Daily 10, and one hour to be arranged. H101.


160. **Foods and Nutrition.** Special problems. Individual problems in nutrition, including metabolism studies, animal feeding experiments, and dietary investigations. Open to qualified students majoring in Foods and Nutrition. Time to be arranged. One or two credits. H204.

185-285. **Foods and Nutrition.** Nutrition Refresher Course. A review of the principles of the newer knowledge of nutrition, with special attention to the practical application of such information in the school and in the public health field. Open to men and women with previous training in nutrition or biochemistry. (Five lectures. One two-hour laboratory) Three credits. Daily 7. Laboratory hours to be arranged. H101.

**General Home Economics**

50. **Consumer Education.** A general survey of consumer economics, consumer education, and consumer buyer problems; standards, costs, and marketing conditions for various consumer goods and services. Prerequisite, Economics 51. Two and one-half credits. Daily 7. H203.

149. **Economics of Household Consumption and Production.** An economic analysis of household production and of the source and distribution of family income under different conditions. Special problems include practice in planning budgets for specific families and laboratory work in the scientific consideration of household standards and organization. Required of all students before residence in the Home Management House. Prerequisites, Foods 20, 21, and 106 and for all Vocational Home Economics Students; others, Foods 9 and 106 or the equivalent. Two and one-half credits. Lectures T. Th. F., 1. H207.

150. **Residence in Home Management House.** A six weeks' resident course affording senior college and graduate women an opportunity
to apply principles of scientific and practical management to actual home problems. Prerequisites, Home Economics 149 or concurrent registration or the equivalent. Three credits. Time arranged. Home Economics Cottage.

Textiles and Clothing

25. Clothing Selection and Construction. A study of pattern alterations, simple drafting, selection of color, design, and fabric, and fundamental techniques of construction. Two garments are made. This course is designed to make students independent in simple dress construction. Prerequisites, Clothing 9 and Art 1. Two and one-half credits. Daily 1-3. H214

130. Drafting and Pattern Design. The basic principles which underlie the form, design, and construction of patterns for various figures. Includes drafting a basic pattern and provides opportunity for further study in fitting, analysis, alteration and comparison of patterns and in pattern design. Prerequisites, Clothing 9 and 25. Daily 1-3. Two and one-half credits. H214.

150. Home Furnishings. In this course a study is made of points to consider when purchasing furniture, rugs, carpets, draperies, upholstery fabrics, china, linen, glass, and silver for the home. Low cost budgets for a young married couple are planned. Good buymanship is stressed. The laboratory work consists of methods of making the home attractive at small cost. This includes remodeling furniture, draperies, pictures and other accessories. Two and one-half credits. Lectures M. T. Th., 10; Laboratories M. W., 3-5. H101.

169. Recent Development in Textiles. Designed for teachers and advanced students of Clothing and Textiles who want to be brought up to date on trends in the field of Textiles. Includes a study of new fibers, finishes, and materials being placed on the market and economic conditions affecting their production as well as factors influencing choice and care of present day materials. Prerequisites, Textiles 20 or equivalent. M. T. W. Th. 9. Two credits. H208.

190. Special Problems. Independent study of a special problem in textiles or clothing in which a student has interest under the direction of a faculty member. Open to qualified students upon consultation of instructor. Time and credit arranged.

LIBRARY SCIENCE

David W. Davies. Librarian
Margaret Henriquez. Head Cataloguer
Edith Rich, Reference Librarian

100. Introduction to Reference Work. Instruction in the evaluation and use of encyclopedias, dictionaries, standard bibliographies, periodi-
113. **Book Binding and the Care of Books.** Practical work in the repair of books, together with lectures on the preparation of material for binding and the relations of libraries with commercial binderies. Two credits. Lecture M. W. 8, Laboratory to be arranged. N204.

Davies

120. **Introduction to Cataloguing.** Instruction in the classification of books according to the Dewey decimal system, and the preparation of author cards and shelf list cards. Three credits. Daily 10. N204.

Henriquez

150. **School Library Administration.** Studies in various standards with relation to building, budget, personnel, and technical processes as applied to school libraries. Two and one-half credits. Daily 1. N204

Rich


Davies

**MATHEMATICS**

V. H. Tingey, Associate Professor


Tingey

50. **Descriptive Astronomy.** An elementary course given to acquaint the student with the relation of the earth to the Solar and Sidereal universes. The course is non-mathematical. Three credits. Daily 8. M178.

Tingey

110. **Statistics.** An introductory course in modern statistical methods. Stress will be placed on handling small samples. Three credits. M. T. W. Th. 9, Laboratory any two afternoons. M178.

Tingey

Note: Any other courses listed in the regular catalog will be given during the Summer Session if five or more wish to take the course.

**MODERN LANGUAGES**

George A. Meyer, Professor

Thelma Fogelberg, Assistant Professor

Marion L. Nielson, Assistant Professor

German 101. **First Quarter of Second-year German.** Grammar and translation. Can be adapted to the needs and previous training of students. Emphasis on Scientific German for those who wish it. Five credits. Two hours daily, 9 and 1. M305.

Nielson
German 104. Scientific German. Reading and vocabulary building. Reading may be chosen in accordance with the needs and interests of individual students. Three credits. M. W. F. 10 and 2. M305. Nielson


MUSIC

Walter Welti, Associate Professor
N. Woodruff Christiansen, Associate Professor
LuDean Rogers, Instructor
Charles J. Steen, Instructor

11-111. Harmony. Beginning students register for 11, those who have had an elementary course register for 111. Attention will be given to individual needs. Two and one-half credits. Daily 9. M130. Christiansen and Rogers

121a. Band and Orchestra Instruments...A study of string and brass instruments and the essential points in teaching them. One and one-half credits. First three weeks. Daily 2. M133. Christiansen


176. Classroom Problems in Music. A discussion course in the problems arising in classrooms throughout the grades and high school. A typical class program will be studied. Individual cases will be considered and individual assignments made with reference to monotones, singing and song material, conducting, lesson planning, etc. First three weeks, Christiansen. Second three weeks, Welti. Two and one-half credits. Daily 10. M130. Christiansen and Welti


Private Instruction Courses

155. Voice Instruction. For beginners, advanced students, and teachers. Appointments and fees arranged with the teacher. One credit for six lessons. Two credits for twelve lessons. Welti

160. Piano Instruction. For beginners, advanced students, and teachers of piano. Appointments and fees to be arranged with the teacher. One credit for six lessons; two credits for twelve lessons. Arranged.

165. Woodwind Instruments. For beginners, advanced students, and teachers of woodwind instruments. Appointments and fees to be
arranged with the teacher. One credit for six lessons; two credits for twelve lessons. Arranged.

167. **Violin Instruction.** For beginners, advanced students, and teachers of violin. Appointments and fees to be arranged with the teacher. One credit for six lessons. Arranged.

**PHYSICAL EDUCATION**

Joseph R. Jenson, Professor
H. B. Hunsaker, Assistant Professor
Margaret Goold, Instructor

5. **Boxing.** This course is designed for students intending to teach boxing. Time will be spent in perfecting and analyzing skills with special attention given to teaching technique. Students will be expected to prepare a syllabus of class work. Two credits. Daily 1. Men's Gym.

7. **Wrestling.** This course is designed for students intending to teach wrestling. Time will be spent in perfecting and analyzing skills with special attention given to teaching technique. Students will be expected to prepare a syllabus of class work. Two credits. Daily 2. Men's Gym.


54. **Elementary Swimming.** Men and women. One credit. Daily

9. **Men's Gym.**

57. **Elementary Badminton.** Men and women. One credit. Daily

10. **Men's Gym.**


64. **Intramural Sports.** Men and women. Class designed for recreation. Teams will be organized and tournaments in Softball, Badminton, Tennis, and Horseshoes will be conducted. Contests will be scheduled three times per week. One credit. Daily 12. Men's Gym.


173. **Social Dancing.** A study of fox trot, waltz, and tango; fundamental steps and routines. One credit. Daily 1. Men's Gym.

182. **Physical Education for Elementary Schools.** A study of the
rhythmic game activities for grades one to six and seven to twelve; play days, recess, and after-school programs; intramural programs. Two and one-half credits. Daily 9. Women’s Gym.

194. Techniques of Dual Sports for Men and Women. This course is designed for students intending to teach badminton and archery. Time will be spent in perfecting and analyzing skills with special attention given to teaching technique. Students will be expected to prepare a syllabus of class work. Two and one-half credits. Daily 1. Men’s Gym.

250. Reading and Conference. A course providing for individually directed study. Two and one-half credits. Hours arranged.

281. Administration of Intramural Sports for Men and Women. A study of present types of intramural programs now in vogue in junior and senior high schools. Administration, sports, schedules, scoring systems, motivation and awards are problems studied. Each student selects a type of school and builds an intramural syllabus as a final project. Two and one-half credits. Daily 8. Men’s Gym. 27.

282. Problems in Curriculum Construction in Physical Education for High Schools. Essential steps in formulating the curriculum in physical education for the several upper grades with consideration of the basic elements to be taught in the various activities, problems in organization of content material and class procedure to insure proper gradation of material and systematic progress in various school levels. Two and one-half credits. Daily 9. Men’s Gym. 27.

284. Social Recreation. This course will deal with the principles and technique of leadership in recreation activities for the home, school and community: methods of promoting, organizing and directing social games, social mixers, community outings, hikes, picnics, parties. One credit T. Th. 7:30-9:30 p. m. Men’s Gym.

285. Community Recreation. Essential organization plans for a community, recreational set-up. The aim of the course is to make programs and plans for all types or recreational necessities. Two and one-half credits. Daily 10. Men’s Gym.

COACHING SCHOOL

E. L. Romney, Director of Athletics
Utah State Agricultural College
Madison Bell, Head Football Coach
Southern Methodist University
A. T. Gill, Basketball Coach
Oregon State College

120. Methods of Coaching for Men. A theoretical and practical consideration of training and coaching men’s athletic teams.
120b. **Basketball Coaching.** June 8 to 12 inclusive. One-half credit. Daily 2:30 to 5. Field House.

120f. **Football Coaching.** June 8 to 12 inclusive. One-half credit. Daily 7:30 to 11. Field House.

**PHYSICS**

Willard Gardner, Professor
Philip J. Hart, Assistant Professor
Jay O. Jensen, Instructor

3a. **Introductory Physics.** A brief survey of the fields of Mechanics, Molecular Physics, and Heat. The lectures will be illustrated by carefully planned demonstration experiments. (Physics 3b, Electricity and Magnetism, Light, and Sound will be offered Summer 1943.) Two and one-half credits. Daily 8. W106.

16. **Meteorology.** (Physics of the Atmosphere.) A study of the weather, its observation, and its prediction; the operation of the United States Weather Bureau; and a study of climate. Three credits. Daily 10 and one hour arranged. W106.

20, 21-22. **Mechanics and Molecular Physics.** Electricity and Magnetism. Heat, Light and Sound. The course designed for students majoring in science and in engineering. Upon sufficient demand, any one of the three five-hour parts of the course will be given during the regular Summer Session and one during the Intersession. Five credits for each part. The time will be arranged for the 36 lectures and 20 laboratory exercises. W106.

118. **Aerodynamics.** A practical course with special application to the problems of the science of aviation. Specially recommended for prospective teachers of high school aerodynamics. Three credits. Time to be arranged. W106.

**PHYSIOLOGY, PUBLIC HEALTH AND HYGIENE**

E. G. Carter, Professor
C. L. Anderson, Professor
W. B. Preston, Professor

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. Daily 8 and one additional hour per week to be arranged. W20.

50. **First Aid.** The standard American National Red Cross Course in first aid with emphasis upon the practical use of the knowledge as applied in every day life in various occupations. Detailed demonstra-
tions and practice. The American Red Cross First Aid Certificate may be obtained by students in the course who pass a satisfactory examination. Two and one-half credits. Daily 10. G33.

114. School Health Programs. Designed to meet the practical problems of health education in the public schools. It will include a study of curricula and methods of teaching health for both elementary and secondary schools. Three credits. Daily 9 and one additional hour per week to be arranged. H20.


245. Mental Hygiene. This course emphasizes the mental hygiene of the normal individual interpreted in terms of modern ethical standards, the development of personality, the physiological basis of personality, guidance in mental hygiene adjustment and readjustment. Three credits. Daily 2 and one additional hour per week to be arranged at the first meeting of the class. H20.

POLITICAL SCIENCE

M. R. Merrill, Professor
F. D. Daines, Professor

75. Political Problems of the Western Hemisphere. A survey of the world-wide international forces, and of the forces operating within the Western hemisphere, affecting the Good Neighbor Policy of the United States, and affected by that policy. Particular attention is given to problems arising out of variations in the kinds of governmental systems subsisting among the American nations. Two and one-half credits. Daily 8. M357.

110. Political Problems of the Post-War World. This course examines the various proposals for a world organization to be formed at the close of World War II, contingent on the course and outcome of the war, together with an analysis of the various philosophies and systems of governments that conceivably might arise as a result of vast changes in progress in the world. Two and one-half credits. Daily 9. M357.

201. Current Political Problems. A course primarily for those specializing in Political Science and other Social Sciences, but open to others interested, if qualified. Various problems of national and international political interest are intensively studied for the summer of 1942. Two and one-half credits. Daily 1. M357.
PSYCHOLOGY

Arden Frandsen, Professor
John M. Hadley, Assistant Professor

102a. Educational Psychology. A professional course for prospective high school teachers, intended to increase understanding of the personalities and problems of adolescents and to develop greater insight into the conditions for effective learning. Applications will be made to teaching in both junior and senior high schools. Prerequisites, General Psychology and Elementary Statistics, the latter of which may be taken parallel with Educational Psychology. Two and one-half credits. Daily 8. M279.

102b. Statistics Applied to Education and Psychology. An introductory study of the statistical procedures used in handling test scores in school situations, and of the concepts which are met frequently in the literature of educational and psychological research. Two and one-half credits. Daily 10. M279.

SECRETARIAL SCIENCE AND OFFICE PRACTICE

P. E. Peterson, Professor
L. Mark Neuberger, Assistant Professor
Ina Doty, Instructor

Visiting Faculty

E. G. Blackstone, Associate Professor

In charge of Commercial Teacher Training and Secretarial Administration, University of Southern California, Los Angeles

75. First Quarter Stenography. This course is designed for students who have had no previous training in shorthand, and includes a thorough drill in the fundamentals of Gregg shorthand. Five Credits. (June 8 to August 21. Students who wish to discontinue at the end of six weeks may earn two and one-half credits.) Daily 2. M301.

80. Intermediate Stenography. This course is designed for students who have had one year of shorthand and are able to take ungraded dictation at not less than 60 words per minute. Special attention will be directed toward the attainment of speed in taking dictation, together with the making of mailable transcripts. It will include: An intense review of the theory of Gregg shorthand with the development of new vocabulary and phrase writing, the study of letter forms and arrangements, transcripts. Nine credits. (June 8 to August 21. Students who
wish to discontinue at the end of six weeks may earn five credits.)

*Daily 8-10. M301. Doty

*Note: Arrangements can be made for the second hour's work during the first two weeks, to provide an opportunity for students to participate in Dr. Blackstone's classes.

86. First Quarter Typewriting. For students who have had no previous training in typewriting. This course is designed to develop correct technique in: position, syllable, word, and sentence drills; stroke, rhythm number and shifting drills; mastery of keyboard; introduction of “Timed” writing; finger exercises; analysis of errors; personal-use problems. Average speed end of session, 20 words a minute. One credit. (June 8 to July 17.) Daily 1. M330a. Neuberger

87. Second Quarter Typewriting. This course continues with the advanced development of those features of the beginning course and in addition includes: care of the machine; centering setting-up copy; frequency, phrase and word combination drills; sentence and paragraph practice; analysis of errors; control drills; introduction to letter writing. One credit. (July 20 to August 21.) Daily 11. M330a.

89. Advanced Business Typewriting. This course is designed to give special attention to the development of speed and accuracy and includes: advanced letter writing; telegrams; speed and accuracy drills; advanced tabulation; invoices and billing; advanced legal forms, preparation of a correspondence guide; speed and accuracy tests. Average speed, at the end of the quarter, 50 words a minute. Two credits (June 8 to August 21. Students who wish to discontinue at the end of six weeks may earn one credit.) Daily 10. M330a. Neuberger

94. Burroughs Calculating Machine. Application of the calculating machine to various business computations such as addition, multiplication, subtraction, division, accumulation, fixed decimal point work, percentages, chain discounts, prorating, decimal equivalents, constants, and inventories. Two credits. (June 8 to July 17. This course will be repeated July 20 to August 21.) Daily 8. M330c. Neuberger

98. Commercial and Bank Posting. Instruction and practice in the application of Burroughs Posting Machines to bookkeeping procedures in commercial institutions and banks. Work will include: prelisting of items, proving of accounts; setting-up control accounts; keeping a set of books for one month. Two credits. (June 8 to July 17. This course will be repeated, July 20 to August 21.) Daily 8. M330c. Neuberger

179. Methods of Teaching Typewriting. This course will consider modern issues in the teaching of typewriting, including such items as selection of typewriters for school use, whether to use blank keyboards; best type of student desk, copyholders, method of approach with emphasis on the speed approach, evaluation of the Dvorak keyboard, automotization vs. rhythm, prognosis, diagnosis of errors,
remedial instruction, typewriting for personal use, when and how to teach erasing, battery tests, the selection of typewriting textbooks. One credit. **First two weeks June 8 to June 19.** Daily 7. M302. Blackstone

**183. Problems in Business Education.** This course will deal with problems of organization and administration of business education departments such as: The growth of business education and the factors responsible for that growth, probable future developments, floorplans and layouts for business departments, equipment, essential records, financial budgets, publicity programs, supervisory techniques, plans for in-service training of business teachers, adjustments to the defense program, Distributive education and N. Y. A. clerical courses, improvement of business education professional organizations. Two credits. **June 8 to June 19.** Daily 9-11. M302. Blackstone

**SOCIOLOGY**

Joseph A. Geddes, Professor
Rex A. Skidmore, Instructor

**147. Social Health in Wartime.** A consideration of the effects of war on the social institutions of mankind such as the family, the school, the church, and the state. Also, suggestions and analyses of social adjustments for healthful living in a world at war. Two and one-half credits. Daily 7. M206. Skidmore

**165. Recreation and Social Change.** The development of recreation in the American way of living, with emphasis on the theories, the extent, and the present-day trends of leisure-time activities. Particular attention will be given to the development of recreation in Utah. Two and one-half credits. Daily 10. M355. Skidmore

**207. Graduate Seminar (The Modern Family.)** Emphasis will be given to recent studies of family life, the accompanying social problems, and the present-day trends in marriage and divorce. Two and one-half credits. Daily 9. M355. Skidmore

**SPEECH**

C. J. Myers, Associate Professor
Halbert Greaves, Assistant Professor
John M. Hadley, Instructor
Orson Ryan, Visiting Professor

4s. or 104s. **Combination of Intermediate and Advanced Interpretation.** Various literary forms are studied for platform presentation. The mastering of significant selections from the great masters. Read-
ing from manuscript and from memory. Two and one-half credits. Daily 8. M205.

12s and 112s. Private Instruction. Individual attention given in private to particular needs of the student in an effort to eliminate personal defects, develop skill, and solve individual speech problems. Recommended for anyone needing personal speech and to freshmen and sophomores majoring in speech. Special fee. Time and credit arranged.

18s. Story Telling. The story as an educational factor; analysis and classification of typical stories with reference to each period of the child's development. Study of sources; adaptation of material; and actual practice in story telling. Consideration is given to stories of western pioneer life. Two and one-half credits. Daily 10. M205. Greaves and Ryan


107. Speech Hygiene. The techniques of normal speech and the development of normal and abnormal speech. Major consideration will be given to the prevention and correction of speech abnormalities. This course is primarily designed to fulfill the speech hygiene needs of prospective elementary school teachers. It is recommended for all secondary teachers but will not fulfill the speech pathology requirements for speech majors. Two and one-half credits. Daily 9. M279. Hadley

ZOOGOGY AND ENTOMOLOGY

W. W. Henderson, Professor
J. Sedley Stanford, Assistant Professor

121. Reading and Conference. Individual study in specific subjects or current literature in the field of Zoology and Entomology approved by the instructor. Two and one-half credits. Time arranged. Staff

123. Nature Study. Teachers in grade and high schools and other students of nature will have an opportunity in this course to learn the names of birds, mammals, frogs, reptiles, fish, insects, etc., and also interesting and useful facts concerning their adaptations, habits, homes, and use to man. Methods and materials for teaching Nature Study will be discussed, and illustrated with mounts, models, photographs, etc. This course will aid teachers in identifying their local animal life and in making study and display collections for their schools. Field trips to marshes, meadows, mountains, streams, springs —will furnish abundant material for outdoor studies and for permanent
collections. Two and one-half or five credits. Time arranged. Daily 1 to 5. M230.

130. Human Biology. This course is offered for students who desire to investigate the zoological relationships of man and the lower animals. Man’s reaction to foods, activity, shelter, and climate will be stressed. This subject matter will give a significant background for Sociology, Psychology and Physiology. Two and one-half credits. Daily 9 or 10. Register for either hour. M227.

INTER-AMERICAN EDUCATION

The outlines of the Post-War World are not crystal clear but opinion is practically unanimous that it will find North and Latin America bound together as they have never been before. The groundwork must be prepared now and the schools must function in this field as they have never done before.

Leading the way, the U. S. Office of Education has already begun organizing the program and has drawn a few educational leaders from their regular positions to initiate the work. In charge of the western division is Miss Helen Heffernan of the California State Department of Education. She is being loaned to the College Summer Session by the U. S. Office. Practically every school in the West will go into this field next year and those persons who have the responsibility of the program have a rare opportunity to work with Miss Heffernan.

AVIATION IN EDUCATION

Utah’s own Robert H. Hinckley, assistant secretary of commerce, is largely responsible for the Civil Aeronautics Training program in the schools. It was masterful planning. Now aviation training is reaching below the college level. We must prepare for an air world both in war and peace. The country has been organized and the work starts in the schools next year. Professor Frank W. Hart of the University of California is in charge of California, Washington, Oregon, and Nevada and President George W. Frazier of Colorado State Teachers College directs in Utah, Idaho, Colorado, Arizona, and New Mexico.

They have agreed to hold a full day’s session on the subject at the College on Monday, June 22. Both men will be present to explain the program and assistant Secretary Hinckley is also expected to attend.

INTERSESSION

July 20—August 14

EDUCATION

Any education course listed in the College catalogue will be given during the Interession if ten students apply for and register for such course.
ENGLISH

Any English course listed in the College catalogue will be given during the Intersession if ten students apply for and register for such course.

HISTORY

129. World Crisis and Conflict. The present world war, the war of 1914-1918, and their backgrounds in the nationalistic and imperialistic movements of the world powers since 1870 will be traced. Consideration will be given to the Industrial Revolution and economic factors as primary factors in producing the present conflict. Six credits. Time to be arranged. N312.

MATHEMATICS

Any Mathematics course listed in the College catalogue will be given during the Intersession if ten students apply for and register for such course.

PHYSIOLOGY, PUBLIC HEALTH AND HYGIENE

108. School Health and Safety. (May be used for Secondary School Certification.) This course is designed to acquaint the student with a broad conception of the principles of 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. Six credits. Daily 8, H20.

POLITICAL SCIENCE

102. International Political Relations. Psychological, economic, racial, and other obstacles to international cooperation, as exemplified in recent events. The Treaty of Versailles; international law; the League of Nations; and present-day world politics are discussed.

Durham or Daines