SUMMER SESSION
CATALOGUE
1939
June 12 to July 21
Utah State Agricultural College
Logan, Utah
Announcement for 1939
Summer Session

PLEASE BRING THIS BULLETIN WITH YOU WHEN YOU COME TO REGISTER

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<td>Wilford D. Porter, B.S., M.S.</td>
<td>College Editor</td>
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<tr>
<td>Leonard H. Kirkpatrick, A.B., M.A.</td>
<td>In charge, Library</td>
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<tr>
<td>Erwin Clement, B.S.</td>
<td>Executive Secretary, Alumni Association</td>
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USAC Summer Session Faculty
1939—Resident

George H. Barnes, B.S., M.S.
Elsa B. Bate, B.S., M.S.

Marion T Bird, B.S., M.A., Ph.D.
George T Blanch, B.S., M.S.

Edith Bowen, B.A., M.A.

Aaron F Bracken, B.S., M.S.
J Duncan Brite, A.B., M.A., Ph.D.
E. A. Call

John C. Carlisle, A.B., M.A., Ed.D.
E. G. Carter, B.S., M.S., Dr.P.H.

H. S. Carter, B.S., M.S., C.E.
N W Christiansen, B.S.

Clayton Clark, B.S.
Christine Bockholt Clayton, B.S., M.S.
George Dewey Clyde, B.S., M.S.
Reata Comish, B.S., M.S.
Joseph Coulam
Franklin David Daines, A.B., A.M., Ph.D.
Charlotte E. Dancy, R.N

Ina Doty, B.S.
Paul M. Dunn, B.S., M.S.
Alma Esplin, B.S.

Robert J Evans, B.S., Ph.D.
Emily Farnham, B.S., M.A.
Calvin Fletcher, B.Pd.
J Whitney Floyd, B.S.
Arden Frandsen, B.S., M.S., Ph.D.
Walter U Fuhriman, B.S., Ph.D.

V D. Gardner, B.S., M.B.A.
Joseph Arch Geddes, A.B., A.M., Ph.D.

Assistant Professor of Forestry
Assistant Professor of Child Development
Instructor in Mathematics
Associate Professor of Agricultural Economics and Marketing
Supervisor of Elementary Teacher Training
Associate Professor of Agronomy
Associate Professor of History
Instructor in Internal Combustion Engines and Farm Machinery
Assistant Professor of Education
Professor of Public Health and Physiology
Professor of Civil Engineering
Associate Professor of Instrumental Music
Instructor in Radio
Professor of Foods and Dietetics
Professor of Engineering
Instructor in Foods
Instructor in Woodwork
Professor of Political Science
Assistant Professor of Physiology and Nursing
Instructor in Secretarial Science
Professor of Forestry
Assistant Professor of Sheep Husbandry
Professor of Agronomy
Instructor of Art
Professor of Art
Assistant Professor of Forestry
Professor of Psychology
Associate Professor of Agricultural Economics
Associate Professor of Accounting and Business Administration
Professor of Sociology
USAC Summer Session Faculty 1939—Resident
Continued

Margaret Goold, B.A.
Howard B. Gundersen, B.S., M.A.
Datus M. Hammond, B.S., M.A., Ph.D.
Ira N Hayward, B.S., Ph.M.
Maxine Heiss, B.A., M.A.

William Williams Henderson, B.A., M.A., Ph.D.
Reuben Lorenzo Hill, B.S., Ph.D.
LeGrande R. Humpherys, B.S.

Hyrum Hunsaker, B.S., M.A.
Bertha Hughes, B.S., B.S. in L.S.
Ernest A. Jacobsen, A.B., M.A., Ed.D.
George C. Jensen, M.A.

Joseph R. Jenson, A.B., M.A.
Bertha Faye Johnson, M.A.
George H. Kelker, A.B., B.S., M.S.

Leonard H. Kirkpatrick, A.B., M.A.
M. W Lee, B.S.
L. H. Linford, B.S., Ph.D.
Leon B. Linford, B.S., M.S., Ph.D.
Lloyd C. Malm, B.S., M.A., Ph.D.
C. E. McClellan, A.B., M.A.
R. P McLaughlin, B.S., M.F., Ph.D.
Johanna Moen, B.S.
Sadie O. Morris, B.S., Ph.D.

Chester J Myers, A.B., A.M.
George A. Meyer, A.B., Ph.D.
L. Mark Neuberger, B.S., M.S.

N A. Pedersen, A.M., Ph.D.
P E. Peterson, A.B., C.P.A.
D. W Pittman, B.S., M.S.

Instructor in Physical Education for Women
Professor of Trade and Industrial Education
Instructor in Zoology
Assistant Professor of English
Assistant Professor of Physical Education for Women

Professor of Zoology and Entomology
Professor of Chemistry
Professor of Agricultural Education
Instructor in Physical Education for Men
Cataloguer
Professor of Education
Associate Professor of Modern Languages
Professor of Physical Education
Instructor in Textiles and Clothing
Assistant Professor of Wildlife Management
Assistant Professor of Education
Assistant Professor of Economics
Assistant Professor of Physics
Professor of Physics
Assistant Professor of Chemistry
Professor of Education
Associate Professor of Forestry
Professor of Textiles and Clothing
Associate Professor of Foods and Dietetics
Associate Professor of Speech
Professor of Modern Languages
Assistant Professor of Business Administration
Professor of English and Speech
Professor of Accounting
Professor of Soils
USAC Summer Session Faculty 1939—Resident
Continued

Wilford D. Porter, B.S., M.S. Assistant Professor of Journalism
Russell Poyner, B.S.A.E., B.S.C.E. College Editor
Frederick Preator, B.S. Instructor in Agricultural
William Rice, B.A. Instructor in Metals
Bert Lorin Richards, B.S., M.S., Ph.D. Assistant Professor of Art
Joel Edward Ricks, A.B., A.M., Ph.D. Instructor in Geology
Ludean Rogers, B.S., B.M. Professor of Botany and Plant
E. L. Romney, A.B. Pathology
Arthur D. Smith, B.S., M.S. Professor of History
Harry H. Smith, B.S., M.S. Instructor in Music
Robert S. Snell, B.S., M.S., Ph.D. Director of Athletics
J Sedley Stanford, B.S. Ph.D. Assistant Professor of Range
Management
Joseph Symons, B.S., M.S. Associate Professor of Animal
W Preston Thomas, B.S., M.S. Husbandry
Florence B. Thompson, B.S., M.A. Assistant Professor of Botany
Vance H. Tingey, B.S. M.S. Assistant Professor of Zoology and
Mildred Valentine, B.S., M.S. Entomology
Una Vermillion, M.S. Instructor in Sociology
William Lawrence Wanlass, A.M., Ph.D. Professor of Agricultural
Walter Welte, B.A., M.A. Economics
J. Stewart Williams, B.S. M.A., Ph.D. Instructor in Home Economics
Education
Associate Professor of Mathematics
Assistant Professor of Sociology
Assistant Professor in Charge of Cafeteria
Professor of Economics
Associate Professor of Vocal Music
Professor of Geology
## Visiting Faculty and Special Lecturers

<table>
<thead>
<tr>
<th>Name</th>
<th>Position/Institution</th>
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<tbody>
<tr>
<td>W E. Blatz</td>
<td>Director of St. George’s School for Child Study, University of Toronto.</td>
</tr>
<tr>
<td>R. F Campbell</td>
<td>Superintendent of Public Schools, Preston, Idaho.</td>
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<tr>
<td>Verna S. Carlisle</td>
<td>W P A. State Supervisor, Nursery Schools and Parent Education.</td>
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<tr>
<td>Arthur H. Compton</td>
<td>Professor of Physics, University of Chicago, Chicago, Illinois.</td>
</tr>
<tr>
<td>Forrest Cox</td>
<td>Basketball Coach, University of Colorado, Boulder, Colorado.</td>
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<tr>
<td>Edward Davison</td>
<td>Professor of English, University of Colorado, Boulder, Colorado.</td>
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<tr>
<td>Asael Fisher</td>
<td>Industrial Arts Instructor, Provo High School.</td>
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<tr>
<td>Roma Gans</td>
<td>Teachers College, Columbia University</td>
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<tr>
<td>C. L. Grovert</td>
<td>Wauneta Public Schools, Wauneta, Nebraska.</td>
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<tr>
<td>G. W Haverty</td>
<td>Assistant State Supervisor of Trade and Industrial Education, North Dakota State</td>
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<td></td>
<td>School of Science, Wahpeton, North Dakota.</td>
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<tr>
<td>Winifred Hazen</td>
<td>State Coordinator in Parent Education.</td>
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<tr>
<td>Ernest Jeppsen</td>
<td>Trade Teacher, Weber Junior College.</td>
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<tr>
<td>Hazel Gertrude Kinsella</td>
<td>Professor of Piano, University of Nebraska.</td>
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<tr>
<td>Bernice Moss</td>
<td>Utah State Supervisor of Physical Education.</td>
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<tr>
<td>N P Neilson</td>
<td>Executive Secretary of the American Association for Health, Physical Education, and</td>
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<td>Recreation, Washington, D.C.</td>
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<tr>
<td>Mark Nichols</td>
<td>Utah State Director of Agricultural Education.</td>
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<tr>
<td>A. R. Nichols</td>
<td>Director of Vocational Education, San Jose Public Schools, San Jose, California.</td>
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<tr>
<td>Raleigh Schorling</td>
<td>Professor of Education, University of Michigan, Ann Arbor, Michigan.</td>
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<tr>
<td>Charles F Smith</td>
<td>Educational and Recreational Adviser for Boy Scouts of America, New York City</td>
</tr>
</tbody>
</table>
Visiting Faculty and Special Lecturers
Continued

J Duncan Spaeth
Formerly Professor of English, Princeton University, Visiting Professor of English, University of Wichita, Wichita, Kansas.

Elizabeth Lee Vincent
Merrill-Palmer School, Detroit, Michigan.

Lynn Waldoj
Football Coach, Northwestern University, Evanston, Illinois.

Angelyn Warnick
State Director of Home Economics, Salt Lake City

Franklin L. West
L. D. S. Commissioner of Education.

John A. Widtsoe
Former President of Utah State Agricultural College and University of Utah.

Mabel Wilkerson
Director of Montreal School of Interior Decoration, Montreal, Canada.

Harry E. Wood
Director Fine and Practical Arts and Vocational Education, Indianapolis Public Schools, Indianapolis, Indiana.

Louis Zucker
Professor of English, University of Utah, Salt Lake City

I. S. Noall
Director Vocational Education, Salt Lake City Schools.

Standing Committees

Attendance and Scholarship—Professors Henderson, Hill, Dancy, Vance Tingey, Maguire, Mr. Bell.

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

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

Graduate Work—Professors Maeser, Greaves, Evans, Willard Gardner, P. E. Peterson, Carroll, Mrs. Morris, Mr Bell.

Graduation—Professors Leon B. Linford, Cutler, Mr Bell.

Registration—Professors Vance Tingey, George C. Jensen, Mrs. Bate, Mr Hammond, Moyle Rice, Mr Bell, Mr Berntson.

Student Employment—Mr Pocock.

Summer Session Entertainment—Professors Joseph R. Jenson, Porter, Heiss, Dean Croft, Dean Lewis, Mr Hunsaker, Mr Vanderhoff.

Teacher Placement—Professor C. E. McClellan.
Utah State Agricultural College  
1939 Summer Session

Founded on March 8, 1888, the Utah State Agricultural College has served the people of the Intermountain country for more than 50 years.

The coming Summer Session which begins Monday, June 12 and continues for six weeks will be the thirty-third annual summer program offered by the College. During that period Summer Sessions at Logan have achieved wide recognition because of the delightful environment and a quality of teaching which make summer study profitable.

Continuing the policy of recent years the College presents a full program of courses taught by members of the resident faculty and by distinguished visitors drawn largely from the great graduate institutions of the country. The curriculum has been designed primarily to meet the needs of present and prospective teachers, however, high school graduates will find the basic freshman courses offered that will enable them to begin their college work without difficulty. Present college students can hasten their graduation or fill gaps in their training by registering for summer courses. These courses are conducted on the same high scholastic plane as those given in the winter.

VISITING FACULTY

For 1939 an unusually distinguished visiting staff has been secured.

Professional courses in education will be offered by Dr. Raleigh Schorling of the University of Michigan, Miss Roma Gans of Teachers College, and Superintendent R. F. Campbell of the Preston, Idaho, district. Both Dr. Schorling and Miss Gans are nationally recognized authorities and are unusually capable teachers.

Courses in home economics will receive major attention. Dr. Elizabeth Lee Vincent of the Merrill-Palmer School in Detroit will offer courses in child development for the entire six weeks. Miss Mabel Wilkerson, who was an extremely popular teacher several years ago, will teach interior decoration for six weeks. Miss Winifred Hazen and Miss Angelyn Warnick are State people who will assist the resident staff. Dr. W. E. Blatz, the eminent Toronto child psychologist, will deliver lectures. The Family Life Institute is another major attraction.

Mathematicians will find their greatest opportunity in many years. Dr. A. E. Brandt, Senior Mathematical Statistical Analyst of the Soil Conservation Service at Washington, D. C., will direct work in statistics for the full six weeks, and Dr. Schorling will conduct a class in the teaching of mathematics, a subject in which he has made a remarkable reputation.
Dr J Duncan Spaeth, for years Professor of English at Princeton, has two scheduled courses in Shakespeare and Poets of the Romantic Revival. Dr. Spaeth is a scholar of high rank and is a dynamic teacher. Dr Louis Zucker of the English staff of the University of Utah is scheduled for three classes.

Visitors in the field of physical education include Dr N P Neilson, Executive Secretary of the American Association for Health, Physical Education, and Recreation at Washington, D. C., Dr Charles F Smith, Educational Adviser for Boy Scouts of America at New York City, and Miss Bernice Moss, Director of Physical Education for the State Department of Education. The annual Coaching School will be conducted the first week with Lynn Waldorf, football coach at Northwestern, Forrest Cox, basketball coach at the University of Colorado, and C. L. Grovert of the Wauneta Public Schools of Wauneta, Nebraska, an expert teacher of six-man football, participating.

Miss Hazel Gertrude Kinscella of the University of Nebraska, who was so popular last year, returns in the field of music for another year.

The offering in the field of industrial education, including trades and industries and mechanic arts, has never been so complete. Included in this general division is a drivers’ school, one of the most important additions to the program.

Dr John A. Widtsoe, former president of the Utah State Agricultural College and the University of Utah, and Dr F L. West, Director of Education for the L. D. S. Church, continue their interesting work in character education and guidance. No courses offered in recent years have been received more enthusiastically.

REGISTRATION

Registration for the Session will take place Monday, June 12, beginning at 8 a.m. and continuing to 3:30 p.m. No classes except the Coaching School are scheduled for Monday but Arthur H. Compton, noted physicist of the University of Chicago, will lecture at 11 a.m. Students who fail to complete registration on Monday may do so any succeeding afternoon from 1 to 5 p.m. in Room 102 of the Main Building. 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 $1 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 12 is the Registrar’s Office; thereafter, in Widtsoe Hall.
CLASS SCHEDULE

Classes will begin at 7 a.m. throughout the Summer Session. There are four periods 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 except in Mechanic Arts, are scheduled at that time. Afternoon classes begin on the hour at 1 p.m. and continue on the hour to 5 p.m. Evening lectures will be held at 7:30 p.m. unless otherwise announced.

GRADUATE WORK

For detailed information on graduate work see general catalogue. Those who expect to register for work leading to this 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. The registration card 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 general catalogue.

Students in Agriculture wishing to do graduate work during the summer school may register for the regular 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 must be completed before the end of the Summer Session period.

MASTER OF EDUCATION DEGREE

The Master of Education Degree is offered in five major divisions of work: Master of Education in Agriculture, Master of Education in Home Economics, Master of Education in Biological Science, Master of Education in Physical Science, and Master of Education in Social Science. This is a teaching degree rather than a research degree and emphasizes preparation for superior teaching.

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.
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.)
Listening Course Fee 2.00
Excess Credit (for each credit) 1.00
Intersession Fee (five credits) 10.00
Laboratory Fee for Mechanic Arts 122 10.00

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 can be made through the Dean of Women or the Secretary's Office at the Utah State Agricultural College. Accommodations are available on the basis of two people in a room or one person to a room. Meals for the residents of the hall will be served in the Cafeteria each day through the Summer Session.

FEATURES

A FAMILY INSTITUTE

Major attention is being given to family life and its problems in the 1939 Summer Session. From July 17 to 21, a Family Life Institute will be conducted consisting of lectures and committee work on personality and character development at the pre-school, adolescent, and adult levels.

Lectures will be given daily by such noted authorities on education for family life as William E. Blatz, University of Toronto, E. Lee Vincent, Merrill-Palmer School, Detroit, Michigan, and Mabel Wilkerson, Director, Montreal School of Interior Decoration.

In addition to state specialists including Winifred Hazen, State Coordinator in Parent Education, Angelyn Warnick, State Director of Home Economics, and Verna S. Carlisle, State Supervisor of Nursery Schools and Parent Education, members of the college resident faculty will participate in the family life program.
DRIVERS' SCHOOL

For the first time the Summer Session will sponsor a school for automobile drivers. This school, which will be conducted from June 12 to June 30, will be directed by a member of the local staff and aided by various agencies in the state who are cooperating in the general program of traffic safety.

CONFERENCE ON RURAL EDUCATION

The Utah State Agricultural College is particularly concerned about the problem of applying education in its various forms to the needs of the rural communities of the State. The majority of people in Utah live in these rural communities and their educational problems are particularly significant.

During the present Summer Session, the College will sponsor a series of conferences and round-table discussions on various aspects of the rural problem. President E. G. Peterson will discuss "Values in Rural Living." Director William Peterson of the Extension Service will lead in a discussion of "Rural Industrial Life." Other speakers on these weekly programs, which are tentatively scheduled for each Wednesday afternoon at 3 p.m., include Dr N P Neilson, Executive Secretary of the American Association for Health, Physical Education, and Recreation, Washington, D. C., who will discuss "Recreation in the Rural Community," Dean E. A. Jacobsen of the School of Education whose topic is "The Rural School," Mrs. Rena Maycock Badger, formerly Assistant Director for Home Economics, in the Extension Service, whose subject is "The Rural Home," and F P Champ, President of the Board of Trustees of the Utah State Agricultural College, who has been assigned the subject "The Economic Situation in Rural Utah." Leading educators in the State will lead in the conferences and discussions which will follow these lectures.

AGRICULTURE TEACHERS' CONFERENCE

The vocational agriculture teachers of Utah will hold their summer conference on the college campus June 12 to June 23, inclusive. Short, intensive courses have been provided for professional improvement. Agriculture teachers from other states are invited to participate.

READING AND CONFERENCE COURSES

For many years there has been need of courses in various fields which would meet the requirements of more or less experienced teachers wishing to do advanced work in their field. This summer the College offers courses in several departments titled "Reading and Conference," designed to fit the need.

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

INDUSTRIAL EDUCATION

The teachers of industrial arts and vocational trade and industrial education in the intermountain region will find the most complete offering of courses in these fields listed in a college summer session. The recent reorganization and remodeling of the shops and a considerable increase in the number of resident faculty members in the various fields have made this course offering possible.

The offering at this summer session is a part of a continuing program under which students may direct their efforts toward an advanced degree. Two professional education courses in industrial arts and four in vocational trade and industrial education are being offered for the full six weeks period, beginning June 12. Manipulative courses for industrial arts teachers are offered for the full three weeks period or for six weeks period. This combination enables the student to elect either or both professional education and manipulative courses in industrial arts.

In addition a new course in traffic safety for high school teachers is being offered. This course will run for three weeks beginning June 12.

FORESTRY SUMMER CAMP

The School of Forestry will hold its annual camp in Logan Canyon again this summer The location will be at the forestry training camp near Tony Grove ranger station on the Cache National Forest about twenty-two miles east of the College campus which is within hiking distance of the school lands. The instruction period will be eight weeks this year, starting with registration at the forestry building June 12 and closing August 5.

This field instruction is required for all graduates in forestry, and is held as a prerequisite to junior year technical courses. Special instruction will be offered in Forest Surveying, Forest Measurements, Forest Improvements, Forest Ecology, Range Management, and Wildlife Management under the supervision of the forestry faculty. Twelve hours of credit will be given for the eight weeks of work. Quarters and beds are furnished, but the students will provide their bedding, personal effects, and pay for their board. The fees are tuition, $20, and board, $5 per week.

COACHING SCHOOL AND PHYSICAL EDUCATION

The thirteenth annual Summer School for Coaches will feature the instruction of Lynn Waldorf of Northwestern University in football
and Forrest B. Cox of the University of Colorado in basketball. Waldorf has made gridiron history for the Northwestern Wildcats with stunning upset victories over nationally proclaimed football leaders. The football classes are scheduled for each morning, June 12 to 16, inclusive. Since Coach Cox has been at Colorado he has gained national acclaim for his system of basketball. He will coach basketball from 2 to 5 each afternoon of the same week.

As a special feature of the coaching school and physical education department, C. L. Grovert of the Wauneta public schools of Nebraska, will teach six-man football, the popular new sport for junior and small high schools. Coach Grovert's classes are scheduled from 1 to 2 each afternoon during the week of the coaching school and from 2 to 5 the week following.

In the field of physical education two nationally recognized authorities will augment state leaders and resident faculty members. N. P. Neilson, national secretary of Health and Physical Education of the division of NEA, will supervise curriculum construction and problems in physical education. C. F. Smith, director of recreation for the Boy Scouts of America, has valuable instruction to offer on recreative and social games and their leadership.

Miss Bernice Moss, Utah State director of Health, Physical Education and Recreation, will also be a member of the visiting staff and will teach courses dealing with the physical education program for the elementary schools.

With such a talented physical education faculty the 1939 Summer Session should prove most beneficial to both men and women workers in the recreational and physical education fields.

**LECTURE PROGRAM**

Lectures are scheduled daily on school days at eleven o'clock. Six evening lectures are also planned for the Session.

Dr. Arthur H. Compton of the University of Chicago, Nobel Prize winner and unquestionably one of the truly great figures in science, will deliver six lectures. Others scheduled for a similar series of six public lectures are Professor Edward Davison of the University of Colorado and one of the most universally approved lecturers ever to appear on the College program, Dr. J. Duncan Spaeth, former professor of English at Princeton, and Dr. W. E. Blatz, distinguished Toronto child psychologist.

Dr. Raleigh Schorling, Dr. Elizabeth Lee Vincent, Miss Roma Gans, Dr. N. P. Neilson, and Superintendent C. H. Skidmore will also deliver lectures during the Summer Session.

Interspersing these lecture programs are a number of musical presentations, including the Rink String Quartet and the Frances Winton Champ-Ludean Rogers duo piano team. The Summer Session chorus, in which all students are invited to participate by consultation with the director, will be presented late in the Session.
Regularly scheduled Intersession Classes will begin Tuesday, July 25 and continue for four weeks. Five 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 for and join the class. Credit in the Intersession is computed on the basis of one hour of credit for 12 one-hour lecture periods (each lecture period requiring two hours of outside preparation on the part of the student) 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 during 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 Accepted 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.

TEACHERS' BUREAU

A teachers' bureau under the direction of Professor C. E. McClellan, 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.

RECREATION

The location of the College makes the Summer Session a recreational as well as an educational experience. Trips can be made to interesting areas only one or two hours distant. Logan Canyon is just a mile away. Its cool breezes make the nights comfortable in the hottest summer weather. The splendid nine-hole golf course of the Logan Golf and Country Club will be available to students who pay greens fees. Student socials are held frequently during the regular Session. Tennis courts, a swimming pool, and other facilities for pleasant physical activity are for the use of the Summer Session students. An intramural program will be conducted daily at 12 o'clock on the quadrangle.

KEY TO BUILDINGS

M—Main Building
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
Courses of Instruction

GENERAL AGRICULTURE

R. H. Walker, Dean School of Agriculture

VISITING FACULTY

Mark Nichols, State Director of Agricultural Education

Gen. Agr. 100. Grading Agricultural Products. The fundamental principles, practices and skills in market grades and grading livestock, dairy products, meats, wool, poultry, eggs, and fruit, vegetable and cereal crops. Arranged for teachers of vocational agriculture. Daily 10 a.m. to 12 m. and 2 p.m. to 5 p.m. June 12 to June 23. 3 credits. Animal Husbandry Auditorium.

AGRICULTURAL ECONOMICS

W P Thomas, Professor
W U Fuhriman, Associate Professor
George T Blanch, Associate Professor

102. Principles of Farm Management. A study of the principles underlying the organization, management, and financial success of farms. Types of farming, size of business, rates of production, labor efficiency, combination of enterprises and farm layout will be discussed. Two and one-half credits. Daily 8. Room M178.


113a. Cooperative Marketing. A course in fundamental principles underlying sound cooperative practice. Some attention is given to credit, consumer and general farm cooperatives, but emphasis is placed on farmers' marketing associations. Two and one-half credits. Daily 10. Room M178.

220. Agricultural Prices. An analysis of the general price structure as it relates to agricultural and non-agricultural commodities. This course makes application of the principles in prices, production and marketing to an agricultural program for the individual and the group. Two and one-half credits. Daily 9. Room M178.
AGRONOMY

R. J Evans, Professor
D. W Pittman, Professor
Aaron F Bracken, Associate Professor

VISITING FACULTY

A. E. Brandt, Senior Mathematical Analyst, Soil Conservation Service, U S. D. A.

6. General Soils. An introductory course in soil technology with incidental study of soil management problems, designed as a beginning course in soils for students in agriculture and forestry, and also to function as the only soils course for other students wanting a minimum of work in soils. Daily, including Saturday, at 10. Lab. T Th. 2-5. Will not be given unless 8 or more register for the course. Five credits. P201.


103. Forage Crops. Alfalfa, clovers, grasses, and other forage, classification and methods of production, harvesting and storage, meadow and pasture management and soiling crops are discussed, special attention will be given to the place of forage crops in soil conservation and erosion control. Daily at 8. Lab. M. 2-5. Will not be given unless 8 or more register for the course. Three credits. Not given if Cereals is given. P201.


ANIMAL HUSBANDRY

Harry H. Smith, Associate Professor
Alma C. Esplin, Assistant Professor


155. Animal Breeding. The principles and practices of livestock improvement. A study of heredity, variation, selection, breed analysis,
and herd synthesis, inbreeding, outcrossing, and cross breeding. Pre-
requisites, Zoology 112 (Genetics) Five credits. Daily, 1 to 3. Room
L208.

125. Sheep Husbandry. A study of both range and farm sheep produc-
tion. The leading breeds of sheep and their adaption to the different
husbandry practices and their feed requirements under various sys-
tems of management. Two and one-half credits. Daily, 10. Room
L208

ART
Calvin Fletcher, Professor
H. R. Reynolds, Assistant Professor
Emily Farnham, Instructor

VISITING FACULTY
Mabel Wilkerson, Professor

151. Art Education for High Schools. What to teach and how to pre-
sent it to students of Junior and Senior High Schools. Drawing, paint-
ing, crafts, sculpture, and commercial art are all given consideration.
Required of art majors and teaching minors. Two and one-half credits.
Daily, 7 Room M51.

53. Handwork for Elementary Grades. Creative expression with va-
rious materials using handwork on the elementary grades level. Two
and one-half credits. Daily at 8. Room M51.

51. Drawing for Elementary Grades. Methods of teaching, drawing,
painting, etc., in grades schools below Junior High School. Social
aesthetic and creative needs fully considered. Two and one-half credits.
Daily, 2. Room M51.

23, 123. Interior Decoration. Period styles, selection of furnishings
for the home, color and design. Studio M. W 2-4. Room H214. Three
credits. Daily 10.

32, 132. Color. Theory of color as applied to interior decoration,
Room H214.

4, 104, 204. Freehand Drawing. Pose class daily 8 to 11. Criticism,
daily 9 to 11. Pose, cast, animal, or still life drawing may be chosen,
or creative composition may be taken according to the interests of
the student. Thirty hours required for each credit. Room M56.
Fletcher. Also daily 3-5 with Miss Farnham in Room M54.

5, 105, 205. Painting. Oil, water color, fresco, and tempera are recom-
mended as medio but others may be used if desired. Students may work
any time indoors or outdoors doing thirty hours of painting for each credit. Criticism 9-11, M56, Fletcher 3-5 Farnham, M54.


7, 107 Illustration. Choose any of the following pen and ink, scientific illustration, cartoons, general illustrating, costume illustration. Thirty hours per credit. Criticism 9-11. Room M54.

111, 211. Professional Design. Elect one of the following lines of work, A, B, C or D.
   A. Interior decoration
      Sketching designs for walls and interiors
      (prerequisite Art 123)
      Furniture design
      Wood carving
      Picture framing and gilding
   B. Advanced Costume Design (also stage costume.)
   C. Architectural Composition
   D. Textile, wallpaper, commercial design

Instruction and criticism 8 to 11. Room M54.

13, 113. Art Metalry Copper work, pewter, silver or aluminum smithing. Thirty hours per credit. Criticisms or help 9-11. M52. Reynolds


15. Basketry Sewed or wicker work with grass, reed or raffia. Thirty hours per credit. M52. Criticism and help 9-11. Reynolds, or 3-5 Farnham. M52.

16, 116. Wood Ornamentation. Elect any of the following
   Enameling and gesso
   Gilding
   Lacquer

   Thirty hours per credit. Criticism daily 9-11. M52. Reynolds

17, 117 Fabric Decoration. Elect any of the following:
   Batik
   Tie and die and plastic embroidery
   Block printing
   Stenciling
   Lamp shade decoration

   Thirty hours per credit. Criticism daily 9-11. Reynolds M52. 3-5 Farnham M52.

19, 119 Jewelry and Stone Cutting. Thirty hours per credit. Criticism daily 9-11. Reynolds

Regular submission of work required in all studio courses.
BOTANY

B. L. Richards, Professor
R. S. Snell, Assistant Professor

1. General Botany  A general course dealing with the structure, growth, nutrition, reproduction, and kinds of plants. This course is especially adapted to meet the needs of teachers of biology. Particular emphasis will be given to plants common in Utah and available to teachers in the grades and the high schools of the state. Easily operated experiments demonstrating plant behavior will be featured. A certain amount of attention will be devoted to field trips and the collection of material for class use. Four credits. M. T Th. F., 1.30 to 5. Occasional field trips. Room P103.

BUSINESS ADMINISTRATION

P. E. Peterson, Professor
V. D. Gardner, Associate Professor
L. Mark Neuberger, Assistant Professor
Ina Doty, Instructor

100. Essentials of Accounting. A course intended to develop accounting technique. A knowledge of principles will be acquired through the preparation of short problems. The course will be of interest both to the general student and those specializing in business subjects. Two and one-half credits. Daily, 7 Room M302. Gardner

23. Business Finance. The course will be built around a short but comprehensive group of problems, solution of which will require study of standard texts and case books in the field. Typical subjects to be discussed will include capital structure, launching the new enterprise, management of working capital, financial ratios, reorganization. Two and one-half credits. Daily, 8. Room M302. Gardner

133. Industrial Management Problems. Selected case problems will be studied and reported upon. Subjects covered will include location, buildings and layout, purchase and control of raw materials, control of work in process, organization for operation, labor relations. Two and one-half credits. Daily, 9 Room M302. Gardner

SECRETARIAL SCIENCE

86. First Quarter Typewriting. For students who have not had any 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 “time” writing; finger exercises, analysis of errors. Average speed, end of quarter, 20 words a minute. One credit. Daily 1. Room M330. 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. Daily 10. Room M330. Additional credit of one hour will be given during intersession.

Neuberger

97 Office Appliances. This course is designed to give students a knowledge of the operation of two machines which are widely used in the modern business office. The following machines will be studied

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.

Burroughs Commercial and Bank Posting Machines. Instruction and practice in the application of the posting machine to bookkeeping methods in commercial business houses and banks.

Two and one-half credits. Daily, 9. Room M330b. Neuberger

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. Two and one-half credits. Daily 10. Room M351. Doty

80. Advanced Stenography This course is designed for students who have had one year of shorthand at this institution or elsewhere. It includes An intense review of the theory of Gregg Shorthand with the development of new vocabulary, the study of letter forms and arrangements, transcripts. Special attention will be directed toward the attainment of speed in taking dictation together with the making of perfect transcripts. Five credits. Daily 8 to 10. Room M351. Doty

Additional credit of two and one-half hours will be given during intersession.

185. Reading and Conference in Commercial Education. A course providing for individually directed study Two and one-half credits. Hours arranged. Neuberger

CHEMISTRY

Reuben L. Hill, Professor
Lloyd E. Malm, Assistant Professor

15. Qualitative Analysis. This course is intended for students who have not taken chemistry 5 and who desire a theoretical and practical background for quantitative analysis. One lecture and five three-hour laboratory periods per week. Prerequisites, Chemistry 4 or 11. Three credits. Lecture Tuesday, 8. Lab. Daily, 8 to 11 or 1 to 4. Room W302. Hill or Malm
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. Laboratory daily, 8 to 11 or 1 to 4. Room W204. Hill or Malm

121. **Organic Chemistry** Fundamental Principles of Organic Chemistry. The aliphatic hydrocarbons and their derivatives. This course corresponds to the regular course given in the Fall quarter. Lecture daily, 9. Laboratory, daily 2-5. Five credits. Prerequisite, Chemistry 5 or in exceptional cases, Chemistry 11. W204. Hill or Malm

122. **Organic Chemistry** Fundamental Principles of Organic Chemistry The Aromatic Hydrocarbons and their derivatives. This course corresponds to the regular course given in the Winter quarter Five credits. This course will be given as a full time intersession course if registration justifies. Prerequisite, Chemistry 121. W204. Arranged. Hill or Malm

125-129 or 225-229. **Advanced Topics in Organic Chemistry** One of the advanced topics listed on page 112 of the 1938 general catalogue will be treated. The subject will be selected to meet the needs of the majority of the members of the class. Daily 8. Two and one-half credits. Prerequisite Chemistry 122. W204. Malm

130. **Colloidal Chemistry.** A course in the chemistry of colloids and their relationship to the vital processes in plant and animal life. Prerequisite, Chemistry 12 or 122. Daily, 10. Two and one-half credits. W204. Malm

140 or 240. **Physio Chemical Methods.** An advanced laboratory course. Time and credit to be arranged. Malm

**ECONOMICS**

W L. Wanlass, Professor

M. W Lee, Assistant 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. A more intensive study of economic laws will be made with special reference to their application to present economics problems. Required as a prerequisite to all senior college courses in the School of Commerce except in Agricultural Economics and Marketing. Prerequisite, Economics 51. Two and one-half credits. Daily 10. Room M357 Lee

106. **History of Economic Doctrines.** A critical study of the origin and the development of the economic theories of the leading thinkers
in the leading nations of the world from 1750 to the present. Two and one-half credits. Daily 8. Room M305.

140. **International Economic Relations.** Special attention will be given to the basic economic relationships existing between the industrial nations of the world, international commerce, tariffs, and trade restrictions, international debt and finance, and various means of promoting progress on a basis of sound economics. Prerequisites, Economics 51, 52. Two and one-half credits. Daily 9. Room M305.

145. **Economics of Consumption.** There is an economics of consumption that is quite as important as the economics of production. This course deals with personal and group expenditures, standards of living, budgets, variations in consumption, etc. Prerequisites, Economics 51. Two and one-half credits. Daily 10. Room M305.

172. **Industrial Combinations and Monopolies.** This course deals with the factors which tend toward combination among industrial entities. It involves an analysis of the techniques by which combination is accomplished and the social problems which arise therefrom. Prerequisites, Economics 51, 52. Two and one-half credits. Daily 7 Room M357

190 or 290. **The Economics of Imperfect Competition.** This course deals with the broad twilight zone in which neither perfect competition nor perfect monopoly exist. It may be taken either as graduate or undergraduate study. Prerequisites, Economics 51, 52. Two and one-half credits. Daily 1. Room 357

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**EDUCATION**

E. A. Jacobsen, Professor  
C. E. McClellan, Professor  
L. R. Humpherys, Professor  
John C. Carlisle, Assistant Professor

**VISITING FACULTY**

Raleigh Schorling, University of Michigan  
Roma Gans, Columbia University  
John A. Widtsoe, Salt Lake City  
F. L. West, Salt Lake City  
N. P. Neilson, National Secretary of Health and Physical Education, National Education Association  
R. F. Campbell, Superintendent of Schools, Preston, Idaho
107s. Diagnostic and Remedial Teaching. A study of the application of diagnostic tests to the technique of learning. The discovery of individuals' difficulties in learning procedures, the application of specific or remedial measures to learning difficulties. Two and one-half credits. Daily 1. Room M279. Carlisle

108s. Trends in the Teaching of the Social Studies in the Elementary School. This course is planned to offer detailed help to teachers from kindergarten through eight grades. Outstanding theories, materials and methods in the teaching of social studies in elementary education will be evaluated. One and one-fourth credits. June 12-30. Daily 9. M204. Gans

109s. Curriculum Reorganization in Secondary Schools. The course will provide an opportunity to examine materials that illustrate a fundamental reorganization in each of the areas of the secondary school. Students will be expected to consider the following questions: What can we learn from the approaches used by curriculum workers? How valid are the criteria commonly used for selection of curriculum materials in each of the areas? What does educational research say that would be helpful? What does educational philosophy suggest? What is the contribution of the history of education? What guides are provided by the activity movement? Two credits. June 12-July 7 Daily 9 M280. Schorling


130s. The Work of the Elementary School Principal. An overview will be made of the principal's work in light of recent new emphasis in elementary education. Such topics as revising the curriculum, pupil placement, school records, parent contacts and teacher meetings will be studied. Special attention will be given to the responsibilities of the principal as supervisor. One and one-fourth credits. June 12-30. Daily 8. M280. Gans

131s. The Work of the Elementary School Principal. The work of this course will tie in rather closely with Education 130s. It is planned to help those who are now serving as elementary principals and those who are preparing for such positions. Such topics as the following will be developed: the principal and administrative relations, organizing the job, personality and training of the principal, playground and building organization, program making, business organization and reports, the janitor, transportation, health and sanitation, attendance, pupil guidance, classification and promotion, extending the classroom, evaluation, teacher relationships, supervision as teacher improvement, supervisory techniques and coordinating community agencies. One and one-fourth credits. Daily 8, July, 3-21. M280. Campbell

140s. The Teaching and Supervision of Junior and Senior High School Mathematics. This course will consider ways and means of enriching
offerings in mathematics in grades seven to twelve, inclusive. The course will examine correct practices as reflected in investigations, recent courses of study, curriculum investigations, committee reports, and new instructional units. The course will give special attention to recent trends and innovating practices as regards the issue both of what to teach in mathematics and how to teach it. Among the important topics to be considered are the following: The valid and specific objectives of mathematics in a junior and senior high school, the alternative organizations of subject matter, the contributions of psychology and pedagogy, the testing of results by standardized, informal, and instructional tests, new appraisal techniques, the status of general mathematics, the needs and achievements of the slow-learning pupil, and the reasonable chances of improving the curriculum in the near future. Two credits. June 12-July 7 Daily 10. M205. Schorling

141s. Elementary School Curriculum. This course is designed to help experienced teachers and administrators re-orient their thinking with respect to the elementary school curriculum. Rather than attempt a superficial tinkering of subject matter a consideration will be given to the basic foundations of curriculum building. The work will be organized around the following topics: social foundations, psychological foundations, the purpose of the school, organizing for instruction, and evaluation. Wide reading will be encouraged. One and one-fourth credits. July 3-21. Daily 9, M204. Campbell

202s. The Purposes of Education in American Democracy This course will be based upon the recent publications of the Educational Policies Commission and will consist of elaboration of the problems set forth in these volumes. Two and one-half credits. Daily 1. M359. Jacobsen

204s. Psychology of High School Subjects. An examination of psychological theory as this applies to the selection of aims, the choice and time of curricula data, and the application of learning and teaching procedures on the secondary school level. Two and one-half credits. Daily at 8. M206. McClellan

205s. Reading and Conference. A course providing for individually directed study in the fields of ones special interest and preparation. Two and one-half credits. Hours arranged. Staff

206s. Historic Trends in Educational Philosophy A survey of philosophic thought as it has influenced educational practices from ancient Greece to and including the present time. Two and one-half credits. Daily at 10. M280. McClellan

212s. Seminar on Rural Life and Education. This course will consist of a series of papers by selected specialists on various aspects of rural life and education as it pertains especially to Utah and the intermountain west. Each paper will be followed by an open discussion on the paper. One two-hour period each week. One credit. Time arranged.
including special conferences on individual problems. One and one-half credits. Daily 2. M204.

293s. Problems of Education and Physical Education. An intensive review of the problem content of the science of education with special reference to education proper and physical education. The sciences are classified under the nine general headings with subdivisions. A course for graduate students or other well-qualified mature students, to give the problem content and the relationships between the problems and the education sciences, and the relationships of these to the foundation sciences as the basis for selection of important study objectives, a consideration of the methodology in connection with each group of problems. One and one-half credits. Daily 8. June 19 to July 1. M352.

CHARACTER EDUCATION

191A. The Philosophy of Happiness. A consideration of the nature and component parts of happiness, and the relationship of the factors of happiness to character building. Lectures and projects. First three weeks, June 12 to June 30. Two and one-half credits. Class meets twice daily at 8 and at 10. Room M355.

191B. Materials and Methods in Character Education. A continuation of 191A with application to character education in schools. A consideration of problems of character in relation to the development of a program of character training. Second three weeks. Students may register for this course without registering for 191A. Two and one-half credits. Meets twice daily at 8 and at 10. Room M355.

LIBRARY SCIENCE

Leonard H. Kirkpatrick, Assistant Professor
Bertha Hughes, Cataloguer

Library Science 100. Reference and Bibliography. A study of various standard reference tools, such as almanacs, encyclopedias, yearbooks, and various indexes, with exercises in the use and compilation of bibliographies. An attempt to evaluate various reference tools with regard to school libraries will be made. Five credits. Daily 8, 9 Room N314.

Library Science 110. Teaching the use of the library. A study of what to teach about books and libraries in elementary and high schools. Two and one-half credits. Daily 1. Room N312.

ENGLISH

N A. Pedersen, Professor
W D. Porter, Assistant Professor
Ira N Hayward, Assistant Professor

VISITING FACULTY

J Duncan Spaeth
Professor of English, University of Wichita, Wichita, Kansas

Dr Louis C. Zucker
Associate Professor of English, University of Utah

10 or 110. Sophomore Composition (English 10), is required for graduation of all students not offering its equivalent. May not be taken in the freshman year. Junior composition (English 110), is required of all graduates, beginning with the class of 1940. These courses will stress correctness and effectiveness in sentence, paragraph, and theme, give practice in organization and outlining of material, and in expository writing, demand clear forceful expression. Five credits. Class meets twice daily 9 to 10, 2 to 3. Room N310.


112. The Writing of Feature Articles. Lectures and practice in preparing feature articles for newspapers, journals, and magazines. Analysis of periodicals will be made to determine available markets and what the editors buy. Two and one-half credits. Daily 9. Room M355.

146. The English Bible as Literature. The English Bible is approached like Shakespeare, for its ideas and forms and for its beauty, wisdom, and power. The King James Bible is used as the version which has, above all others, influenced English literature and speech. Two credits. M. T W Th. at 8. Room N316.

154. Social and Political Backgrounds of American Literature. A study of American literature in relation to the political and social environment out of which it grew. The course is planned especially for those who wish to correlate the study and teaching of our national literature with the social and political sciences. Two and one-half hours credit. Daily 7. Room N310.

195. **Reading and Conference.** Individually directed study Two and one-half credits. Hours arranged. 

196. **Shakespeare.** A study of a representative group of the comedies, histories, tragedies and dramatic romances with emphasis upon Shakespeare’s development as a dramatist and upon the Shakespearean drama as an interpretation of human experience, including Romeo and Juliet, Merchant of Venice, As You Like It, Measure for Measure, Richard II, Henry IV, Part 1, Henry V, Julius Caesar, Antony and Cleopatra, Hamlet, Othello, Lear, Macbeth, The Tempest. Additional plays will be assigned for collateral reading. Lectures, interpretative reading and comment with reports on assigned topics. Daily 8. Two and one-half credits. M204.

197. **The Poets of the Romantic Revival.** Lectures and interpretative readings covering Scott, Wordsworth, Coleridge, Byron, Shelley, and Keats. The relation of these poets to the main movements of their time, their work as art and as criticism of life. Daily 10. Two and one-half credits. M204.

**GEOLOGY**

J Stewart Williams, Professor

W A. Rice, Instructor

1. **Introductory Physical Geology.** A general survey course of the field of physical geology for arts students and others who desire only a broad introduction to the subject. This course is continued in Geology 2, for which it is a prerequisite. Two Saturday field trips will be required. Five credits. Daily 7-9 Room M283. Rice

**HISTORY**

Joel E. Ricks, Professor

John Duncan Brite, Associate Professor

124a. **The Renaissance.** Study of the Renaissance in all western European countries from the thirteenth to the seventeenth century Two and one-half credits. Daily at 8. Room N312. Brite

154. **United States History Period 1865-1900.** A study of political, economic, and social developments from the Civil War to the twentieth century Two and one-half credits. Daily at 7 Room N312. Brite

197. **Seminar in United States History** The study of historical method and historical criticism. Required of all seniors majoring in History Two and one-half credits. Daily at 9 Room N312. Brite
HOME ECONOMICS
Christine B. Clayton, Professor
Johanna Moen, Professor
Sadie O. Morris, Associate Professor
Charlotte Dancy, Assistant Professor
Una Vermillion, Assistant Professor
Florence Thompson, Instructor
Reata Comish, Instructor
Bertha Faye Johnson, Instructor

VISITING FACULTY
Elizabeth Lee Vincent
Merrill-Palmer School, Detroit, Michigan
Mabel Wilkerson
President and Director of Montreal School of Interior Decoration
William E. Blatz
University of Toronto, Toronto, Canada
Verna S. Carlisle
W.P.A. State Supervisor Nursery Schools and Parent Education
Winifred Hazen
State Coordinator in Parent Education, Salt Lake City
Angelyn Warnick,
State Director of Home Economics, Salt Lake City

CHILD DEVELOPMENT

60. Child Guidance. Open to all girls in college wishing to acquire a knowledge of and a degree of skill in the guidance of young children. This course should be helpful to prospective homemakers and to elementary school teachers. Laboratory in the Nursery School arranged. Two and one-half credits. Daily at Room M134.

110. Child Psychology. A study of the roles of maturation and of learning in the motor, mental, social, and emotional development of children from birth to adolescence. Generalization with respect to individual differences, motivation, emotions, how children learn, observe, and think will be applied to understanding and controlling children's behavior in home, school, and community. Prerequisites: General Psychology Two and one-half credits. Daily 8. Room H101.

113. Development of Personality. Goals for personality development; development of personality from infancy to adulthood; effect of inheritance, of health, of family life, of school, and of activities and
circumstances upon personality, effect of emotion and methods of
guiding and controlling personality Two and one-half credits. Daily
at 2. Room H101.

125. Mothercraft. This course includes a study of the anatomy and
physiology of the reproductive system, preparation for motherhood,
and the physical care of mother and child from the prenatal period
to the end of the first year of the child’s life. Prerequisite, Physiology
Two and one-half credits. Daily at 10. Room H206.

FOODS AND NUTRITION

5. Principles of Nutrition. This course includes a study of the re-
lation of food to physical fitness, and the practical application of such
information to the college student. Open to men and women. Five
credits. Twice daily—7 and 1. Room H208 at 7 and H207 at 1.

20. Food Study and Preparation. A study of food composition and
scientific methods of preparation. Prerequisite—Inorganic Chemistry
Limited to Vocational Home Economics students and Foods majors.
for lectures. Room H103 for laboratory

106. Food Engineering. A study of efficient methods of meal prepa-
ration and service. Prerequisites—Foods 20, Foods 9 or equivalent. Two
and one-half credits. Lecture T Th. F 9, Lab. M. W. 9-11. Room
H203 for lectures. Room H103 for laboratory

142. Dietetics. Includes the calculation and preparation of dietaries
and a survey of the dietary habits of various countries. Prerequisites:
Organic Chemistry and Nutrition 5. Three credits. Daily at 8. Lab-
oratory to be arranged. Room H207

180. Quantity Food Preparation. Principles of cookery applied to
large quantity preparation and service. Includes a study of standard-
ization of foods with reference to quality and production cost. Some
emphasis is given to the use and operation of institution kitchen
equipment. Cafeteria kitchen used as laboratory and students will
assist in preparing foods for the cafeteria and dormitory groups as
well as assisting with cafeteria work. Prerequisites—Nutrition 5 and
Tuesday and Thursday 9-12. Room H2 A.

190. Readings in Nutrition. Analysis and discussion of current litera-

202. Metabolism Studies. Prerequisites—Foods 141. Time and credit
to be arranged. Room H203.

210. Research. Intensive investigation of problems in Foods and
Nutrition. Time and credit to be arranged.
GENERAL HOME ECONOMICS

25. **Home Hygiene and Care of the Sick.** A course in home nursing and first aid to the injured. The first hour is devoted to discussion, the laboratory to demonstrations and practice. Reading of reference material and writing of special reports required. Laboratory apron needed. See Instructor Two and one-half credits. Recitation M. W. F at 2, Lab. T Th. 2-4. Room H206.

Dancy

50. **Consumer Education.** The consumer's position in present day markets, protection through legislation, and other forces of social control; factors influencing consumer demand; standardization and informative labeling, advantages offered consumers by different types of retail-stores, installment buying and consumer credit, how consumers may influence and be influenced by marketing policies, costs and trends. Two and one-half credits. Daily at 2. Room H203.

Comish

23, 123. **Interior Decoration.** Architectural composition and design as applied to the interior. Furniture styles, selection and arrangement, selection of materials. Three credits. Lecture daily at 10. Studio M. and W 2-4. Room H214. (Students taking this course should elect Art 132.)

Wilkerson


Wilkerson

150. **Residence in Home Economics Cottage.** Project in household management affording an opportunity for senior college and graduate women to live in the practice cottage assuming responsibilities involved in managing a home. Reservation for residence in the house should be made at an early date through the Home Economics Department. Prerequisite: Household Management or concurrent registration equivalent, or consent of instructor. Three credits. Time to be arranged. Home Economics Cottage.

Staff

HOME ECONOMICS EDUCATION


Thompson

123. **Problems in Teaching Home Economics.** Objectives, principles and methods involved in teaching Home Economics. Planning courses of study based upon the problem method of teaching. (Especially for teachers who are to qualify for a vocational Home Economics certificate.) Two and one-half credits. Daily at 9. Room H207

Thompson and Staff
124. **Summer Project Supervision.** A course for teachers who are interested in supervising summer project work. Consideration will be given to the objectives, organization of work, procedures, reports and relationships to home and community life. Daily for first three weeks at 8. One credit. Room H203.

125. **Methods of Adult Education in Home Economics.** (6 weeks.) Includes a consideration of adult learning, methods and techniques for developing home visiting programs and effective school, home relationships. Special emphasis will be given to the development of subject matter and practice in leading adult groups. Daily 10. Two and one-half credits. Room H207

127 **Adult Education Leadership.** Includes the development of units of study for adult groups with special emphasis upon adopting subject matter to adult needs and practice in leading adult groups under supervision. Prerequisite Methods in Adult Education. One credit. Daily at 7 for first three weeks. Room H203.

**TEXTILES AND CLOTHING**

20. **Household Textiles.** Study of textile products, their uses, economic and aesthetic values in relation to construction, finish, and raw material. Aim of course is to form a basis for intelligent consumption and appreciation of fabrics. Three credits. Daily at 10. Laboratory to be arranged. H216.


160 or 161. **Advanced Problems in Clothing.** This course affords students an opportunity to obtain greater skill in construction and application of design elements to tailored, afternoon, and evening garments. Lectures, demonstrations and reports. Outside work required. For prerequisites consult instructor. Two credits. M. T W Th. 2-4. Room H216.

175 **Textile Chemistry.** This course includes a study of the chemical and the physical properties of household textiles. It emphasizes laboratory and household tests and the care of fabrics from the consumer's point of view. Prerequisites, Inorganic and Organic Chemistry. See instructor Two and one-half credits. Lecture M. W 2. Lab. T Th. 2-4. Room H201.

190. **Special Problems.** Open to qualified students majoring in Textiles and Clothing upon consultation with instructor. Time and credit to be arranged.
A FAMILY LIFE INSTITUTE

To be held in connection with the Summer Session at the Utah State Agricultural College.

Week of July 17 to 21, inclusive.

This institute will consist of lectures and committee work on personality and character development at the preschool, adolescent, and adult levels. It is planned to meet the needs of all organizations dealing with education for family life.

The program will consist of three lectures daily by visiting faculty members who are authorities in this field, followed by committee work in which these authorities will serve as counselors and will be assisted by able state leaders. All members of the institute will participate in the committee activities.

Reports of committee progress will be made daily in general session at which time Dr. E. Lee Vincent will summarize the reports. The general plan will be as follows

Lectures and Counselors

William E. Blatz, University of Toronto, Toronto, Canada
E. Lee Vincent, Merrill-Palmer School, Detroit, Michigan
Mabel Wilkerson, Director, Montreal School of Interior Decoration.
Arden Frandsen, Professor of Psychology, Utah State Agricultural College, Logan, Utah
Elsa B. Bate, Assistant Professor of Child Development, U S. A. C.
Winifred Hazen, State Coordinator in Parent Education, Salt Lake City
Angelyn Warnick, State Director of Home Economics, Salt Lake City
Verna S. Carlisle, State Supervisor Nursery Schools and Parent Education

OUTLINE OF PROGRAM FOR FAMILY LIFE INSTITUTE

a. m.
8:30-9:00 Daily—Lecture to institute members by Dr. Blatz. Room H101.
11:00-12:00 Daily—Public lecture by Dr Blatz. Auditorium, Main.
12:00-1:00 Daily—Lunch hour
p.m.
1:00- 3:00 Daily—Committee work. Preschool, H202. Adolescent N318. Adult, N320.
3:00- 4:30 Daily—Committee reports by leaders on general session of reports. Summary by Dr Vincent. H101.
8:00- 9:00 Daily—Public lectures on Parent Education. Dr Blatz, Dr Vincent, and Miss Wilkerson. Auditorium, Main.

MATHEMATICS
Vance H. Tingey, Associate Professor
Marion T Bird, Assistant Professor

VISITING FACULTY
Alva E. Brandt, Senior Mathematical Statistical Analyst
Branch of Research, Soil Conservation Service

Raleigh Schorling, Professor of Education, University of Michigan

50. Descriptive Astronomy An elementary course, non-mathematical, and given to acquaint the student with the relation of the earth to the solar and sidereal universes. Three credits. Daily 10. Laboratory one evening per week. M361.


110. Statistics. An introductory course in modern statistical methods. The basic statistical constants will be discussed and the modern methods of treating small samples will be gone into in some detail. The use of statistics in research will be illustrated throughout the course. This course is a prerequisite to all future work in statistics. It is essentially a foundation course. This course may be taken concurrently with Dr Brandt’s course in Research Methods. Three credits. M. T W Th. 9 P201. Laboratory 2-5 any two afternoons. M330. Brandt, Bird

140. Methods in Teaching Mathematics. This course will consider ways and means of enriching offerings in mathematics in grades seven to twelve, inclusive. The course will examine current practices as reflected in investigations, committee reports, and new instructional units. The course will give special attention to recent trends and innovating practices as regards the issue both of what to teach in mathematics and how to teach it. Among the important topics to be considered are the following: the valid and specific objectives of mathematics in a junior and senior high school, the alternative organizations of subject matter; the contributions of psychology and pedagogy, the testing of results by standardized, informal, and instructional tests, new appraisal techniques, the status of general mathematics, the needs and achievements of the slow-learning pupil,
and the reasonable chances of improving the curriculum in the near future. Two credits. Daily 10. First four weeks. M205. Schorling

INDUSTRIAL ARTS AND VOCATIONAL
INDUSTRIAL EDUCATION

RESIDENT FACULTY
George D. Clyde, Professor
H. B. Gundersen, Professor
H. S. Carter, Professor
Joseph Coulam, Instructor
Clayton Clark, Instructor
Frederick Preator, Instructor
E. A. Call, Instructor
Russell Poynor, Instructor

VISITING FACULTY
Asael Fisher
Industrial Arts Instructor, Provo High School

G. W. Haverty
Assistant State Supervisor of Trade and Industrial Education, North Dakota State School of Science, Wahpeton, North Dakota

Ernest Jeppsen
Trade Teacher, Weber Junior College

A. R. Nichols
Director of Vocational Education, San Jose Public Schools, San Jose, California

Harry E. Wood
Director Fine and Practical Arts and Vocational Education, Indianapolis Public Schools, Indianapolis, Indiana

C. W. Galloway
Galloway Welding Company

L. S. Noall
Director Vocational Education, Salt Lake City Schools

INDUSTRIAL ARTS EDUCATION
MA 23-S. Elementary Radio Principles. A general introductory course giving the fundamental operating principles of radio reception and transmission. Instruction covers kinds and types of antennae and their installation, the installation and operating of battery sets, function
and operation of vacuum tubes, "A," "B," "C" batteries, condensers, coils, transformers, etc. Introduction to radio frequency, detection, audio frequency, and fundamentals of radio transmission. The course includes the construction of a one, two, and three-tube receiver. One and one-fourth credits. Daily 9 to 11. June 12 to June 30. Shop. (Will be continued July 3 to July 23 if registration justifies it.)

Clark

MA 31-S, 32-S, 33-S. Fundamental Operations of Forging, such as shaping, bending, twisting, forge welding, tool forging and dressing, hardening and tempering. Credit to be arranged. Shop. Daily 3 to 5. June 12 to June 30. (Will be continued or repeated July 3 to July 23 if registration justifies it.)

Fisher

MA 51-S. Machine Shop Practice. This course gives training in the use of hand tools and in bench work, together with elementary training on the drill press, lathe, shaper, planer, and milling machine. Tools and machine parts are made that give practice in the operations that are essential in machine shop work. Included are assignments of reading of machine work subjects, and the application of mathematics to machine work. One and one-fourth credits. Daily 3 to 5. July 3 to July 21. Shop.

Preator

MA 91-S, 92-S, 93-S. Shop Drawing. The use of instruments and types of lettering used on template drawings and graphic solutions. Standard elements which make up mechanical drawings used in industry. The theory of shape and its representation in orthographic projections, sections, auxiliary views, revolutions, and size description. Isometric drawings and the translation of orthographic into pictorial drawings. One and one-fourth credits. Daily 9 to 11. June 12 to June 30. (Will be continued or repeated July 3 to July 22 if registration justifies it.)

Preator

MA 122-S. Oxy-Acetylene and Electric Welding. A study of the oxy-acetylene welding process, equipment gases, properties of the various metals, etc. Practice in the welding of cast iron, steel, aluminum, and other metals is given. Also the proper methods of pre-heating and the preparation of cylinder blocks and other castings. Laboratory fee $10. One and one-fourth credits. Daily 1 to 3. June 12 to June 30. (Will be continued or repeated if registration justifies it.)

A203. Galloway

MA 123-S Practical Electricity This course will include a consideration of the fundamental principles of electricity and their application in the construction of such projects as bell circuits, electro-magnets, heating elements, motors, electrical soldering irons, transformers, and other common electrical devices. One and one-fourth credits. Daily 1 to 3. June 12 to June 30. (Will be continued or repeated if registration justifies it.)

A203. Clark

MA 140-S. Sheet Metal. This course gives practice in the fundamental operations and tool processes of sheet metal work. Articles are made from black iron, galvanized iron, and bright tin, that gives practice in pattern developing, cutting out, soldering, seaming, riveting, wiring, etc. The training needed for teaching sheet metal work
in high school will receive due consideration during the course. One and one-fourth credits. Daily 3 to 5. June 12 to June 30. Shop. (Will be continued or repeated if registration justifies it.) Preator

MA 141-S Ornamental Metal. A course for industrial arts teachers which emphasizes up-to-date school shop projects and approved methods of teaching. Projects in art copper and metal spinning will be developed. One and one-fourth credits. Daily 3 to 5. June 13 to June 30. (Course will be continued or repeated if registration justifies it.) Shop. Fisher

105-S. Ornamental Iron. A course for industrial arts teachers in junior and senior high schools, practical school projects and methods of teaching the subject will be emphasized. A course of study showing methods of teaching and projects in ornamental iron applicable in the industrial arts courses in the high schools will be worked out. One and one-fourth credits. Daily 3 to 5. June 12 to June 30. Shop. (Will be continued or repeated if registration justifies it.) Fisher

107-S. Art Leather. For teachers of industrial arts, club leaders and home crafters. A consideration of materials and tools used and their costs. Methods employed in flat modeling, embossing, carving, cutting, and staining; simple projects such as card cases, billfolds, coin purses, handbags, belts, hunting knife cases and camera cases will be made. Methods of teaching art leather work in the industrial arts courses in the high schools will be stressed. One and one-fourth credits. Daily 1 to 3. June 12 to June 30. Shop. (Will be continued or repeated if registration justifies it.) Fisher

108-S. Jewelry. For teachers of industrial arts, club leaders, and home crafters. A consideration of materials and tools used and their cost. A course of study showing methods of teaching and projects applicable in the industrial arts courses in the high schools will be worked out. One and one-fourth credit. Daily 9 to 11. Shop. June 12 to June 30. (Will be continued or repeated if registration justifies it.) Fisher

149-S. History of Industrial Education. A consideration of the growth of vocational education and its introduction into our school program. Also in evaluation of the education work which industry has introduced. Two and one-half credits. E304. Daily 8, June 12 to July 21. Preator

205-S. Shop Management and Control. A study of the kinds of shops and the objectives of work offered in them. This course will treat of the materials and equipment needed in various kinds of shops, methods by which purchase of equipment and materials is made, control of costs, preparation of instructional aids, value of visual aids, methods of improving instruction records, importance of design, standards and care of equipment. Laboratory one day per week arranged. Three credits. Daily 7. June 12 to July 21. Room, E203. Wood

207-S. Driver Education and Traffic Safety. This course is designed primarily for high school teachers who desire to offer a course in driver training and safety to high school students. The course is designed to acquaint teachers and others with available instructional materials in the field of driver education and of the latest methods of presenting such materials in the class room and on the road. One and one-half credits. Lecture M. W. F. 9. Laboratory Section 1, M. W. F., 10 to 12, Section 2, M. W. F. 3 to 5. Special lectures. Registration limited to 40. June 12 to June 30. E203.

201-S. Techniques In Making Trade and Job Analysis. The principles, methods, and the modern practice of making an analysis of a trade and of a job for teaching purposes. From the analysis each student will make a teaching outline for the trade he teaches. Two and one-half credits. Daily 8 to 12 and 1 to 4. June 12 to 23. E306.

208-S. Problems in Part Time Education (Diversified Occupation). The procedure to be followed in securing student applications for training. Methods of promotion, community and industrial relationships, advisory committee organizations and functions, trainee follow-up and placement, and plans of operation of various types of part time programs will be taken up. Special attention will be given to the development of diversified cooperative training programs including the sources of securing general and specific related subject matter, and organizing it for teaching purposes. Two and one-half credits. Daily 8. E205.

209-S. Supervision of Trade and Industrial Education. Duties and responsibilities of vocational supervisors and directors. Consideration will be given to the work of the coordinator. Special subjects such as promotional methods, public relations, surveys, training teachers in service, placement, and organization of programs will be included. Two and one-half credits. Daily 9. E205.

210-S Shop Layout and Management for Trades and Industrial Teachers. The course will concern itself with such topics as the selection and organization of curriculum materials; the development and preparation of shop budgets; the planning of departmental expansion; the establishing and equipping of shops; the organization of office routine; inventories; and management and control with respect to floor space, light, equipment, and supplies. Special emphasis will be given to the layout and management of trade departments as well as
the vocational school as a whole. Designed to meet the needs of teachers, coordinators and directors of vocational trade and industrial education. Two and one-half credits. Daily 1. E205. Nichols

AGRICULTURAL ENGINEERING

AE 1-S. Farm Surveying. The fundamentals of surveying and land mapping as applied to agricultural problems, includes chaining, leveling, transit and stadia, plane table, land titles and description, and conveyance and measurement of water. Three credits. Daily 9-12. Lab. Daily 2-5. E304. June 12 to June 23. This course includes also a daily general conference. Poynor

AE 103-S. Farm Machinery Repair and Adjustment. A study of the operating principles of farm machines, the adjustments and repairs with special emphasis on the set-up and application of the farm repair shop, the shop equipment and skills involved. Three credits. Daily 9 to 12 and 2 to 5. June 12 to June 23. Shop. This course includes also a daily general conference. Call

AE 106-S. Farm Woodwork and Farm Building. The work in farm woodwork and farm buildings is outlined particularly for vocational agricultural teachers and consists of the study of the location, planning and construction of farm buildings, including building and maintenance costs, building materials, storage space, ventilating systems, water supply and sewage disposal. Also a study of wood and metal preservatives, fences and fencing, the farm work-shop, etc., and an actual practice in tool conditioning, tool operations in wood in farm projects, farm building and some work in rafter cutting, concrete mixing, and painting. This course includes also a daily general conference. Three credits. Daily 9-12, lecture. Shop 2 to 5, laboratory. June 12 to June 23. Coulam

MODERN LANGUAGES

George A. Meyer, Professor
George C. Jensen, Associate Professor


Other German courses, in lieu of any listed above, will be given if five students or more apply

MUSIC

Walter Welti, Associate Professor
N Woodruff Christiansen, Associate Professor
Ludean Rogers, Instructor
VISITING FACULTY

Hazel Gertrude Kinscella, University of Nebraska

100. Problems of the Music Teacher. A conference and reading course for presentation and general discussion of your specific problems in methods, history, theory, conducting, voice care, choral organization, opera production, etc. Last two weeks 9 to 11. Two credits. Room M130.


143. Mixed Chorus. Open to all Summer School students. A program will be presented during the summer session. One credit. Daily 12. Room M130.


155. Voice Instruction. For beginners, advanced students, and teachers of voice. Appointments and fees to be arranged with the teacher. One credit for six lessons, two credits for twelve lessons. Arranged.

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

PHYSICAL EDUCATION

COACHING SCHOOL

E. L. Romney, Director of Athletics, Utah State Agricultural College
Lynn Waldorf, Head Football Coach, Northwestern University
Forrest B. Cox, Basketball Coach, University of Colorado
C. L. Grovert, Six-man Football, Wauneta Public Schools, Nebraska

120. Methods of Coaching for Men. A theoretical and practical consideration of training and coaching men's athletic teams.
120B. Basketball Coaching. June 12 to 16, inclusive. Daily 2:30 to 5 p. m. One credit. Cox

120F Football Coaching. June 12 to 16, inclusive. Daily 7:30 to 11. One credit. Waldorf


PHYSICAL EDUCATION

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

VISITING FACULTY

Bernice Moss
Utah State Director of Health, Physical Education and Recreation

N. P. Neilson
National Secretary of Health and Physical Education
Division of N. E. A., Washington, D. C.

C. F. Smith
Boy Scouts of America, Director of Recreation, New York City

C. L. Grovert
Athletic Coach, Wauneta High School, Wauneta, Nebraska


24. Tennis. Men and Women, One credit, Daily, 3. Men's Gymnasium Jenson

53. Elementary Swimming. Women, One credit, Daily 1. Pool. Staff


64. Intramural Sports. Class designed for recreation. Tournament teams will be conducted Swimming, badminton, softball, horse shoes, tennis and other athletic activities. One credit, Daily, 12. Hunsaker
186. **Tumbling and Pyramid Building.** This course involves all the elementary forms of tumbling and will include enough advanced material to enable the student to teach in high school. Open to men and women. One credit. Daily 9. Men's Gymnasium. Hunsaker

163. **Recreational Games.** Men and women. A class in the study and practice of leisure time activities. Clock golf, badminton, shuffleboard, croquet, archery, volleyball, table tennis, will be presented. Two and one-half credits. Daily 2. Men's Gym. Jenson


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

175. **Outdoor Recreational Games and Their Leadership.** As differentiated from its companion course, social games and their leadership, this course will deal with outdoor rather than indoor games and recreations and their leadership. Course periods will be divided into two parts: Part I, Actually playing games; Part II, Discussion of the leadership of games played during the first period. Daily 10. June 19-June 30. One credit. Men's Gymnasium. Smith

178. **Six-Man Football.** The principles involved in playing six-man football. This is the coming football game for small high schools. Daily 1 to 2 p.m. Men's Gym., June 12-16. Daily 2 to 5 p.m., June 19-24. One credit. Grovert

179. **Social Games and Their Leadership.** This course aims to train students in both the practice and theory of leadership of various types of recreation with emphasis on indoor social games and activities. The course will be divided into two parts: Part I, Actual playing games; Part II, Discussion of the leadership of the types of games played during the first part of the period. Daily 7:30 p.m. to 9:30 p.m. June 19-June 30. One credit. Men's Gymnasium. Smith

186. **Heavy Apparatus.** A study of methods of teaching gymnastics such as parallel bars, horse, horizontal bar and rings. One credit. Daily 3. Men's Gym. Bell and Hunsaker

188A. **Materials and Methods in Physical Education for the Elementary Schools.** A study of the rhythmic game activities for grades one to six, play days, recess and after school programs, intramural programs. First three weeks. One and one-fourth credits. Daily 2. Room M279. Moss

188B. **Materials and Methods in Physical Education for the Elementary Schools.** A study of the rhythmic and game activities for grades one to six, play days, recess and after school programs, intramural
programs. Second three weeks. One and one-fourth credits. Daily 2. Room M279

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

282. Curriculum Construction in Physical Education. A study of the principles involved in construction of a course of study for high schools. The contents of such a course will be carefully studied, evaluated and appraised. Daily 7 June 19 to July 1. G27 Neilson

284. Administration of Health and Physical Education. A study of administration and procedure in the conduct of a high school physical education curriculum. Two and one-half credits. Daily 9. Room G27 Jenson


293. Problems of Education and Physical Education. An intensive review of the problems content of science of education with special reference to education proper and physical education. The sciences are classified under the nine general headings with subdivisions. A course for graduate students or other well qualified mature students, to give the problem content and the relationships between the problems and the education sciences, and the relationships of these to the foundation sciences as the basis for selection of important study objectives; a consideration of the methodology in connection with each group of problems. Daily 8. June 19 to July 1. M352. One and one-half credits. Neilson

PHYSICS

Leon B. Linford, Professor

L. H. Linford, Assistant Professor


165. Light. A study of light and its applications. This course is designed to be helpful to high school science teachers. Special attention will be paid to light sources and illumination, color, optical instruments, with special reference to the camera, and the human eye. Prerequisite, a college course in Physics. Three credits. Daily 9 and one hour arranged. W106. Leon Linford

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 5-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.  

L. H. Linford

**PHYSIOLOGY AND PUBLIC HEALTH**

E. G. Carter, Professor


Carter

111. *Physiology.* This course deals with recent advances in Physiology. Special attention will be given the nervous system. Two and one-half credits. Daily 9. Room H212.  

Carter

117 *Readings in Physiology and Hygiene.* A study of current physiological literature including hygiene, with oral and written reports. Two and one-half credits. Hours to be arranged.  

Carter

**POLITICAL SCIENCE**

F. D. Daines, Professor


Daines

102. *International Relations.* Psychological, economic, racial, and other obstacles to international cooperation, as exemplified in recent events. The Treaty of Versailles, The League of Nations, the present day in world politics. Prerequisite, one year of social science. Two and one-half credits. Daily 8. Room M357.  

Daines


Daines

**PSYCHOLOGY**

Arden Frandsen, Professor

E. A. Jacobsen, Professor
VISITING FACULTY

Elizabeth Lee Vincent
Merrill-Palmer School, Detroit, Michigan

102a. Educational Psychology. A professional course for prospective teachers, intended to increase understanding of personality and to develop greater insight into the conditions under which children learn effectively (Meets State Board certification requirement.) Prerequisites: General Psychology and Elementary Statistics, the latter of which may be taken parallel with Educational Psychology. Three credits. Daily 8. Room 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. (Required of students taking educational Psychology who have not previously taken elementary statistics.) Two credits. M. T W Th. 9. Room M279.

103a (or 203a) Clinical Psychology Applications of psychology to educational, vocational, social, recreational guidance and to the diagnosis and prevention or correction of conduct and personality maladjustments. Psycho-metric devices for the measurement of intelligence, aptitudes, interests, personality, social and emotional adjustments, and study habits, analysis by observation and interviewing, and diagnosis based on comprehensive case-study will be studied and evaluated. Prerequisites: General Psychology and Elementary Statistics. Two and one-half credits. Daily 10. Room M279.

110. Child Psychology A study of the roles of maturation and learning in the motor, mental, social, and emotional development of children from birth to adolescence. Generalizations with respect to individual differences, emotions, motivation, how children learn, observe, and think will be applied to understanding and controlling children's behavior in home, school, and community. Prerequisite: General Psychology. Two and one-half credits. Daily 8. Room H101.

112 (or 212.) Psychology of the Elementary School Curriculum. A study, from the point of view of psychological theory and research, of the aims, selection and sequence of content, methods of teaching, and measurement of outcomes in the elementary school curriculum. The tool subjects will be emphasized. Two and one-half credits. Daily 10. Room M359.

113. Development of Personality Goals for personality development; development of personality from infancy to adulthood, effect of inheritance, of health, of family life, of school, and of activities and circumstances upon personality, effect of emotion and methods of guiding and controlling personality Two and one-half credits. Daily 2. Room H101.
SOCIOLOGY

Joseph A. Geddes, Professor
Mildred Valentine, Assistant Professor
Joseph N. Symons, Instructor

In cooperation with the Director of Industrial Education of the State Department of Public Instruction, the Sociology Department offers further opportunities during the Summer Session of 1939 for training in coordination work. School principals who are responsible for the adjustment of behavior problems and judges of juvenile courts as well as probation workers, social workers and school coordinators for whom the courses are primarily offered will find the work suited to their needs.

Beginning with the Summer Session of 1938 training for social work at Utah State became graduate. Courses carrying graduate credit are designated 200 or over. Students are admitted to social work courses who have graduate status and who have majored in Economics, Political Science, Psychology, or Sociology. Graduate students who have majored in closely related fields may be admitted as special students.

Social Work


S. W 275. Principles of Social Group Work. Principles of group participation, particularly in relation to leadership and fellowship are studied. Personality adjustments and therapeutic values in social group work are stressed. Two credits. M. T W Th., 10. Room M207 Valentine

SOCIOLOGY

Soc. 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. Two and one-half credits. Daily, 7 Room M206 Symons

Soc. 146. Mental Hygiene (Social Aspects) Mental and emotional conflicts and maladjustments resulting from faulty social conditioning are the major concern of the course. Parent-child relationships, the
school and the child, the play-group, the playing of a role and the obtaining of status, etc., are given consideration. Two and one-half credits. Daily, 9. Room M206.

Soc. 207 (Seminar) Current Crime Problems. The concern here is with current theories of crime causation, the trends in recent months by type and amount of crime, with possible explanations for the same, the latest developments in penology and prevention programs and a glance at the local and state picture. Two and one-half credits. Daily 10. Room M206.

SPEECH

N A. Pedersen, Professor
Chester J Myers, Associate Professor

4s or 104s. Oral Interpretation of Literature. Study and practice in the analysis and interpretation of various types of literature, the lyric, the sonnet, dramatic and narrative poetry, old ballads, and the short story. By mastering significant selections from the great writers for audiences in important occasions, the student becomes an interpreter of permanent literature. Reading from manuscript and from memory. Two and one-half credits. Daily 9. M205.

12s or 112s. Private Instruction. Advanced specialized work. Special attention is given to the student's deficiencies in speech. Work in the story, drama, novel, poetry, and all the various literary forms. Special fee. It is recommended that all speech majors have five hours. Consult instructor before registering. Credit and time arranged.

181s. Radio Speech. A study of speech in radio presentation. Preparation and presentation of various types of radio programs will be part of the work. Attention will be given to the writing of radio continuities. An attempt will be made to place the best programs with some commercial radio station. Two and one-half credits. Daily 8. M205.

183s. Problems in Speech. Especially selected work, individually assigned, handled, and directed in consultation with the student. Special Speech problems of merit and of mutual interest to student and instructor are investigated and reported upon in this course. Consult the instructor for permission to register. Time and credit arranged.

ZOOLOGY AND ENTOMOLOGY

W W Henderson, Professor
J Sedley Stanford, Assistant Professor
D. M. Hammond, Instructor

1. Principles of Biology A survey of the basic principles of biology which form the foundation of all manifestations of life. In this course
the great biological generalizations are emphasized in order to bring about a greater understanding and appreciation of life. The application of biology to human problems such as education, race improvement, and disease is especially emphasized. This is not a course in technical Zoology, but a thorough consideration of the basic principles which govern life and the application of these to mankind. Two and one-half credits. Daily 8. Room M227

102. Systematic Entomology The structure of insects is studied sufficiently to enable the student to use keys employed in classification. Each student must collect, mount, and properly identify a representative collection of insects found in the vicinity of Logan. Two and one-half credits. Graduate credit may be allowed for this course. Time arranged.

111. Heredity and Eugenics. A brief study of the laws and principles which govern heredity as shown by experimental breeding and cytology and some of the more important human applications. Two and one-half credits. Daily 10. Room M227.

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. Hours arranged.

123. Nature Study (Animal Life) Teachers in grade and high schools and other students of Nature will have an opportunity in this course to learn not only the names of birds, mammals, frogs, reptiles, fish, insects, etc., but also interesting and useful facts concerning their adaptations, habits, homes, and use to man. Display methods also will be discussed and illustrated. This course will aid teachers greatly in identifying their local animal life and in making study collections for their schools. Two and one-half credits. M. W F 9. Rooms M227, M230. Field trips or laboratory, M. W 2-5.

130. Human Biology. This course is offered for those students who desire to investigate the relationships of man and the lower animals. Man's reaction to climate, activity and food will be stressed. This subject matter also will give a significant background for Sociology, Psychology and Physiology, daughter sciences of Zoology Two and one-half credits. Daily 7 Room M227

201. Zoological Research. The student who wishes to engage in some line of original research and is qualified to do so may elect and study some topic from eugenics, ecology, morphology or some other branch of zoology. Open to undergraduate students only by special arrangement with the department. Thesis required. Credit and time arranged.

210. Entomological Research. Students may select or will be assigned certain problems dealing with different phases of entomology. The amount of credit will depend on the nature of the problems and the time spent. Thesis. Open to undergraduates only by special arrangement. Prerequisites, Entomology 13, 14, and 102. Time arranged.
INTERSESSION CLASSES—JULY 25 TO AUGUST 18

CHEMISTRY

122. Organic Chemistry. Fundamental principals of Organic Chemistry. The Aromatic Hydrocarbons and their derivatives. This course corresponds to the regular course given in the Winter Quarter. Five credits. This course will be given as a full-time intersession course if registration justifies. Prerequisite, Chemistry 121. Arranged. W204. Hill or Malm

EDUCATION

Ed. 161s. Teaching How to Study. The course will deal with the importance of efficient study procedures and will emphasize the many aspects of developing good study habits. Two and one-half credits. Staff

Ed. 165. Rural Education. An overview of the major problems of rural life as they relate to education. The adaptation of general educational objectives to rural conditions especially as they pertain to Utah. The organization of rural schools, the course of study, and methods in education suited particularly to the rural school problem on both elementary and secondary levels. Five hours credit. July 24 to August 18. Staff

Other courses may be organized in case there are sufficient demands.

ENGLISH

160. The Literary History of England. This course is designed to give a panoramic view of the entire field of English literature, its personalities, the social and political forces of each period, and the interrelationships with continental literature. A study will be made of the greatest figures and masterpieces that have formed the course of English thought from Beowulf to Thomas Hardy. Five credits. Time arranged. Class meets three hours daily for four weeks. Room N310. Hayward

HISTORY


LIBRARY SCIENCE

120. Cataloging and Classification. Principles of classification and technique of cataloging as adapted to school libraries. Five credits. Daily 8 to 12. Room N310. Hughes

PHYSICS

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 5-hour parts of the course will be given. Five credits for each part. The time will be arranged for the 36 lectures and the 20 laboratory exercises. W106. L. H. Linford

PHYSIOLOGY AND PUBLIC HEALTH


SECRETARIAL SCIENCE

88. Third Quarter Typewriting. This course continues with the advanced development of the features developed in Typewriting 86 and 87, and in addition includes letter writing stressing placement, essentials, styles, tabulating, post cards, and filing cards. One credit. Daily, 10 to 11 15. Room M330. Neuberger

81. Advanced Stenography. This course continues with the advanced development of the features developed in Advanced Stenography 80. Special attention will be directed toward the attainment of speed in taking dictation together with the making of perfect transcripts. Two and one-half credits. Daily 8 to 9:30. Room M351. Doty