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**UTAH STATE UNIVERSITY
SUMMER SCHOOL**

Logan, Utah

**BULLETIN
1958**

W. Robert Gentry

The campus in a canyon's lap



1. Main
2. Industrial Arts
3. Engineering
4. Home and Family Living
5. Library
6. Women's Dormitories
7. Technology
8. Men's Dormitories
9. Agricultural Science
10. Plant Industry
11. Animal Industry
12. Chemistry and Physics
13. Student Union
14. Fieldhouse
15. Forestry
16. Gymnasium

Utah State University

Utah's State-wide University

FOUNDED AT LOGAN IN 1888



BULLETIN

1958

Summer School

June 16 – August 22

FIRST SESSION

June 16 – July 18

SECOND SESSION

July 21 – August 22

University Bulletins, published by Utah State University of Agriculture and Applied Science, at Logan, Utah. Issued Monthly, Vol. 58, No. 3, March, 1958. Entered as second class matter September 19, 1918, at the Postoffice at Logan, Utah, under an act of August 24, 1912. Acceptance for mailing at special rate of postage provided in Section 1103, Act of October 3, 1917. Authorized August 22, 1918, JS-5M

Photos: Union Pacific, Bert V. Allen, A. L. Hansen, H. R. Reynolds.



Visiting Southern Utah's Wonderland

Boating and fishing at beautiful Bear Lake





A Summer Program for Students with a Purpose

Since the establishment of the National Summer School at Utah State University in 1924, the academic year on the Logan campus has consisted of four quarters. Today a high school graduate may earn the Bachelor of Science degree

in three calendar years at Utah State by continuing his education through the summer quarter. And by careful pre-registration planning, a college graduate may complete all resident requirements for the Master's degree by pursuing his studies for three quarters.

Never before in our history has education been given so much attention by all segments of our society. The farmer, the industrialist, the housewife, as well as the teacher and researcher, know that "as our schools go, so goes the nation." The professional educator has known this for a long time. Now everybody knows it. Education can no longer be a part-time activity for the individual who wishes to enjoy success in life, nor for the nation that is concerned about its prosperity and security.

It is not in the machines found in our great factories, nor in our rich fuel and mineral resources, nor in our fruitful fields or deep harbors that one discovers America's primary source of power and safety. Our real strength and hope are to be found in our classrooms and laboratories. In measuring its strength, a modern nation does not look first at its population and natural resources, but rather at its educated loyal citizens and its ability to produce in unbroken sequence large numbers of such people. It has been aptly said that civilization itself is a race between education and disaster.

Education is one of the few "safe investments" that can be made by a person or a nation. I have never known a person to say that he had invested too much time and money in education. No nation ever got into economic or political difficulties by over-investing in its schools and the education of its citizens.

The Summer School program at Utah State University has been prepared for mature students who wish to invest their time and money in worthy educational purposes and goals.

Daryl Chase, President



Horseback riding to White Pine Lake

The Grand Tetons as seen on the Yellowstone Ranger



Enjoy the Best in the West at USU Summer School

Utah State University invites you to attend what we believe to be one of the finest summer schools in America. The academic offerings of the two five-week sessions have received national recognition. A highly competent resident staff, supplemented by scholars of national prominence, justifies the popularity of our program. Our workshop offerings have achieved wide recognition. Most of them carry degree credit, and in case you desire to specialize, they may occupy your full program.

You can obtain a Master's degree in three full summer sessions, not necessarily consecutive. The summer program is also adjusted to students desiring to limit attendance to a shorter period than ten weeks.

USU Summer School's recreational and cultural opportunities are implied in our slogan, *The Campus in a Canyon's Lap*. Fishing, boating, hiking, canyon parties and family picnics are all available in beautiful Logan Canyon, within five minutes of the campus. Neighboring these recreational offerings, you will find beautiful Bear Lake, Yellowstone National Park, the Grand Teton National Park, and thirty miles west of Logan, the largest game bird refuge in America. On the south is beautiful Salt Lake City, and still farther south, Zion's and Bryce's National Parks, Cedar Breaks and the Grand Canyon — all of which are easily accessible to summer school students at Utah State University.

We invite you to make inquiry concerning these academic and recreational offerings. We promise you a summer school replete with academic opportunities plus cultural and recreational opportunities unsurpassed anywhere.



Lee Grande Noble, Director



Photo Courtesy Union Pacific R

Scenic Logan Canyon, just two minutes from the campus.

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1958 SUMMER SCHOOL CALENDAR

June 16, Monday: Registration	(There will be no day especially for registration for the second session. Registration may be completed at the Registrar's office during the first day.)
June 17, Tuesday: First Session Begins	
July 4, Friday: Independence Holiday	
July 18, Friday: First Session Closes	
July 21, Monday: Second Session Begins	August 22, Friday: Summer School closes

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AND WILDLIFE MANAGEMENT Lewis M. Turner

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AND FAMILY LIVING Una Vermillion

SUMMER SCHOOL FEES

	<u>First Session</u>	<u>Second Session</u>	<u>Both Sessions</u>
REGISTRATION FEE	\$10.00	\$10.00	\$10.00
TUITION	17.00	17.00	34.00
BUILDING FEE	3.00	3.00	6.00
ACTIVITY FEE	3.00	2.00	3.00
HEALTH FEE	1.00	1.00	1.00
TOTAL FEES	\$34.00	\$33.00	\$54.00

Special Fees

EXCESS REGISTRATION FEE: For each excess hour	\$10.00
Students may register for 9 hours either session or 18 hours for both sessions without paying excess registration fees.	
SPECIAL STUDENTS	\$10.00
Registration fee plus \$3 per credit hour (maximum 4 hours).	
AUDITOR'S FEE (per course)	\$10.00
Does not apply to regularly registered students who may obtain visitor's permit from Registrar's Office.)	
P. E. 176 - CAMPING TRIP, Total	\$26.00
Equipment Rental Packing \$8, Equipment rental \$8, Transportation \$10.	
FORESTRY 96; 97; RANGE 98; WILDLIFE 99; \$5 lab fee in each course.	
MUSIC CLINIC (non-credit)	\$ 7.50
GRADUATION FEE	\$10.00
MASTER'S DEGREE FEE FOR BINDING AND PROOFING THESIS	\$ 5.00
QUALIFYING EXAMINATION IN GRADUATE SCHOOL:	
1 part	\$ 5.00
2 parts	\$ 6.00
COLLEGE OF BUSINESS AND SOCIAL SCIENCES - Students using business machines will be required to pay a fee of \$2 per quarter. A minimum excess breakage fee of \$5 may be required for laboratory classes.	
PRIVATE INSTRUCTION IN SPEECH, 12 and 112, per lesson	\$ 1.75
Music, individual instruction with members of the University staff	
1½ credits	\$25.00
3 credits	\$50.00
INDIVIDUAL INSTRUCTION with additional authorized teachers (as arranged with the Department of Music) is registered for at the University and given like credit, but paid for by private arrangement with the teacher concerned.	
Practice Fees	\$ 2.50
Practice room without piano, 1 hour per day per quarter	\$ 1.75
Organ, 1 hour per day per quarter	\$ 5.00
ENROLLMENT IN DEMONSTRATION SCHOOL AND WORKSHOP FOR HANDICAPPED CHILDREN, per child	
	\$ 5.00

Fee Refunds

With exception of the \$10 registration fee, a proportionate share of all fees paid may be refunded to any student who withdraws from school before the end of the third week of either session.

General Information

Utah State University was established in 1888 under the provisions of the Land-Grant College Act. It serves the people of Utah and the Intermountain west through three main divisions: (1) the instructional services of the university, (2) the Agricultural Experiment Station, and (3) the Cooperative Extension Service. The instructional services are organized in seven colleges: Agriculture, Business and Social Sciences, Education, Engineering and Technology, Forestry, Range and Wildlife Management, Home and Family Living, and University College. The Graduate School and the Summer School are also organized to render special services especially in the field of graduate work. Through all these Schools, it is the policy of the University to make available to students, opportunities for a broad program of collegiate instruction, including vocational, technical, scientific and liberal education. The object is to foster all that makes right living, good citizenship, vocational efficiency, and general culture. Fundamentally, the University has always considered the main function of education in its broadest sense to be the preservation and improvement of the democratic way of life.

All departments offer curricula leading to the B.S. degree; many offer the M.S., and some the Ph.D. or the Ed.D.

The University is located east of the center of Logan on the brow of College hill overlooking beautiful Cache Valley. One mile still further to the east is the entrance to scenic Logan Canyon through which Highway 89 leads to Bear Lake and points east, or north through Wyoming to the south entrance of world famous Yellowstone Park.

With its population of eighteen thousand, Logan serves as a delightful center of student life. The climate in the summer is unsurpassed. The evening canyon breeze makes summer nights especially comfortable. Student enrollment at the University during the regular academic year has in recent years exceeded five thousand. Enrollment in the Summer School is approximately fifteen hundred.

The Summer School — One of National Scope in its educational offerings and unsurpassed scenic beauty.

Summer quarters have achieved a significant place in American collegiate institutions, partly because they are organized to meet the needs of many different groups of people. There are always some students who carry on with their regular scholarship program. There are the elementary and secondary teachers meeting certification requirements or proceeding toward advanced degrees as they continue in their regular teaching positions, and finally there are many special groups who spend a week or two weeks or longer in short courses specifically adapted to their professions or avocations.

The Utah State University Summer School is organized to meet these diverse needs. For many years, it has been a significant part of the institution. Since 1924, the program has been expanded to include visiting professors of national recognition from many parts of the nation who supplement the regular faculty in various departments in giving advanced courses, conducting institutes, or giving one or more special lectures. Lyceum numbers in music and drama are also a significant part of the summer program.

A full quarter of study is available this summer, divided into two sessions, the first from June 16 to July 18, and the second from July 21 to August 22. Some courses in the first session are arranged to terminate in three weeks, thus making it possible for individuals to complete an intensive program for college credit if they cannot be on the campus for a longer period.

Admission to Summer School

Admission of all new students to Summer School at Utah State University is granted on the basis of an official application which includes transcripts of credit from schools previously attended. The Uniform Application for Admission to Utah Collegiate Institutions may be obtained upon request from any Utah high school principal, or from the Admissions Office of Utah State. All credentials should be submitted at least 30 days prior to the official registration date. Late presentation of application will cause inconvenience and delay in registration.

The standard minimum requirement for admission to any college of the University is graduation from an approved high school in the United States or equivalent training in a country whose educational systems differ from that in the United States. Some colleges of the University, however, have special requirements for admission. Further details with reference to admission to individual colleges or programs may be found in the section of the regular catalog bulletin devoted to the college which offers the training desired.

Under certain conditions students may be granted permission to register for special work, if they do not plan to qualify for a degree from Utah State University. Such special students may be admitted by filling out the Special Student Application form available at the Admission's Office. If at some future date, such students wish to qualify for a degree from Utah State, it will be necessary for regular University Admissions requirements to be fulfilled.

Registration for Summer School

REGISTRATION FOR THE SUMMER SCHOOL will be conducted according to the schedule and instructions included with the schedule of classes.

THE STUDENT LOAD during the Summer Quarter must be approved by the dean of the college in which the student is enrolled. A maximum of nine credits may be taken in each session. This number may not be exceeded without the special approval of the dean concerned.

A LATE REGISTRATION FEE of \$5.00 will be charged beginning the second day after the first meeting of the class for which the student registers. An additional \$1.00 will be charged for each additional day up to a maximum of \$10.00.

Directions for Registration

- I. Registration for Summer Session will be in the George Nelson Field House, Monday, June 16, 1958, from 8 to 11 a.m. and from 1 to 3 p.m.
- II. Steps in Registration Procedure:
 - Step 1. Obtain registration packets in the reserved seat section of the George Nelson Field House.
 - Step 2. Fill out Study List.
 - Step 3. Consult faculty adviser. Proceed to the basketball floor where advisers will be available to assist you.
 - Step 4. Obtain approval of your college Dean. After your program of studies has been approved by your faculty adviser, go to your Dean for his signature of approval.
 - Step 5. Obtain class roll cards for all classes on your registration card at the tables in the north end of the Field House. The yellow class card will be signed and left at the table. The white class card will be turned in with the packet.

- Step 6. Have registration packets checked.
- Step 7. Obtain fee assessment.
- Step 8. Pay fees at cashier's window, Main Building, 108.
- Step 9. Return registration packets in Main Auditorium. Registration is not complete until packets have been turned in.

III. Students may enroll for the entire term on the regular registration date, or registration for the second term may be added at the beginning of the term. No special registration period is set aside for the second session registration. Registration may be completed in the Registrar's Office during the first day.

**APPLICATION FOR SUMMER SCHOOL
HOUSING RESERVATION**

Instructions: Print or use typewriter. A \$10 fee must accompany this application. In the event that you are unable to come, notify us by June 9, and a refund will be granted.

Date

Applicant's full name

Present Address

Marital Status Sex..... Age.....

Applicant's year in College

Housing desired: 1st choice 2nd

Dates of Period for which Applying.

From 19..... To19.....

Check for \$10 enclosed Money order

I plan to arrive on (date)

MAIL TO: COORDINATOR, STUDENT HOUSING
UTAH STATE UNIVERSITY
LOGAN, UTAH

.....
Signature of Applicant

Living Accommodations

Many Logan City residents list their apartments, rooms, or board and room accommodations with the University Housing Office, Room 133, Main Building. Such listings may be had by anyone who wishes to call for them at the time of arrival in Logan.

The University has the following accommodations available for Summer School students:

1. Group Living Units: Moen, Greaves, and Reeder

These accommodations ordinarily house six single women per apartment, two to a bedroom during the regular academic year. Each dwelling consists of combination living-room-kitchen, bath, and three bedrooms. Telephones may be installed, if desired, by arrangement with Mountain States

Telephone & Telegraph Company. Living rooms, recreation room, sewing room, sundecks, and laundry rooms are shared. Ample storage space is provided.

When rented on a no-housekeeping basis, lights and bedding furnished, charges per person are as follows:

Daily Rate	\$3.00	1st night \$2.00 each night thereafter.
Weekly Rate	\$15.00	1 to a bedroom (3 per apartment)
	\$10.00	2 to a bedroom (6 per apartment)
Each Session		
6-16 to 7-18-58	\$50.00	1 to a bedroom (3 per apartment)
or		
7-21 to 8-22-58	\$40.00	2 to a bedroom (6 per apartment)

When rented on a housekeeping basis cooking utensils, dishes, towels, linens, irons, ironing boards, and all other personal effects NOT FURNISHED, charges are:

Each Session		
6-16 to 7-18-58	\$80.00	couple without children
or		
7-21 to 8-22-58	\$120.00	couple with 1 to 4 children (none under age 8)

2. University Apartments (Prefabricated Units)

These accommodations are combination living-room-kitchen-study arrangements with bedroom, bathroom, and clothes closets. Refrigerator, hot-plate, basic furniture are furnished. Electricity, cooking utensils, bedding, dishes, window curtains, and other personal effects are NOT FURNISHED. The University provides coin metered clothes washing machines.

Rental Charges are:

Each Session		
6-16 to 7-18-58	One bedroom Unit	\$50.00
or		
7-21 to 8-22-58	Two bedroom Unit	\$75.00

University Trailer Court—For Modern Sanitary Trailers only.

This court provides trailer connections to sewer and water mains. Parking space is hard surfaced. A utility house provides laundry space, also rest rooms, and individual shower stalls. The University provides coin metered clothes washing machines and dryers. NO PROVISION is made for use of privately owned laundry equipment.

Rental charges: Each Session	
6-16 to 7-18-58	\$20.00
or	
7-21 to 8-22-58	

In making application for trailer space, please indicate size of trailer and location of water and sewer connections.

University College

Carlton Culmsee, Dean

Departments offering Summer School classes: Bacteriology and Public Health; Chemistry; English and Journalism; Geology; Environmental Planning and Landscape Design; Languages; Mathematics; Physics; Speech; Zoology; Entomology and Physiology.

Bacteriology and Public Health

Resident Summer Faculty: PROFESSORS W. W. Smith, HEAD, K. R. Stevens; ASSISTANT PROFESSOR P. B. Carter; LECTURER R. A. Roberts.

Bacteriology

10. ELEMENTARY BACTERIOLOGY. Basic concepts and practical application. 5 credits. Second session. *Stevens*

294. BACTERIOLOGY PROBLEMS. Prerequisite: Consent of instructor. Credit arranged. Either session. *Staff*

299. THESIS RESEARCH. Prerequisite: Graduate status and consent of instructor. Credit arranged. Either session. *Staff*

Public Health

155. SCHOOL HEALTH. Meets state certification requirements in health education. 4 credits. Either session. *Stevens*

254. ADVANCED PUBLIC HEALTH PROBLEMS. Prerequisite: Consent of instructor. Credit arranged. Either session. *Staff*

Chemistry

Resident Summer Faculty: PROFESSOR M. C. Cannon, HEAD; ASSOCIATE PROFESSOR G. L. Lee; ASSISTANT PROFESSOR G. O. Larson.

10. GENERAL CHEMISTRY. Principles of inorganic chemistry. Prerequisite: One unit of high school or college algebra. 5 credits. First session. *Lee*

11. GENERAL CHEMISTRY. A continuation of principles of inorganic chemistry. Prerequisite: Chemistry 10. 5 credits. Second session. *Lee*

121. ORGANIC CHEMISTRY. Fundamentals of the chemistry of carbon compounds. Prerequisite: Chemistry 5 or Chemistry 11. 5 credits. First session. *Larson*

122. ORGANIC CHEMISTRY. A continuation of the fundamentals of the chemistry of carbon compounds. Prerequisite: Chemistry 121. 5 credits. Second session. *Larson*

English and Journalism

(English, Journalism and Photography)

Resident Summer Faculty: PROFESSORS I. N. Hayward, H. W. Smith; ASSOCIATE PROFESSOR M. D. Edwards; ASSISTANT PROFESSOR J. M. Patrick; INSTRUCTOR V. L. Nielsen.

Visiting Faculty: Austin Fife, William K. Sundermeyer.

1. BASIC COMMUNICATIONS. 3 credits. First session. *Patrick*

37. READING IN THE NOVEL. 3 credits. First session. *Edwards*

41. WORLD LITERATURE FROM 1660 TO THE PRESENT. 5 credits. Both sessions. (May be taken either session for 2½ credits). *Nielsen*
53. AMERICAN LITERATURE, EARLY PERIOD. 5 credits. Both sessions. (May be taken either session for 2½ credits). *Hayward*
104. GRAMMAR. A course designed for teachers. 3 credits. First session. *Patrick*
111. TECHNICAL WRITING. A course designed to teach engineering, forestry, and other scientific students the basic principles and practices of writing that may be adapted to the effective communication of ideas in technical work. Open to juniors and seniors only. 3 credits. First session. *Edwards*
- 117b. CREATIVE WRITING: ESSAYS. 3 credits. First session. *Hayward*
- 117c. CREATIVE WRITING: POETRY. 3 credits. Second session. *Nielsen*
131. FOLKLORE IN THE INTERMOUNTAIN WEST. This course will develop three areas: (1) The basic concepts of folklore as an area of knowledge and as a discipline, definition, materials and methods, inter-relationships with other disciplines including literature and language, history, sociology, psychology. (2) Principal aspects of the folklore of the intermountain West, with special attention to the period of colonization, migration, and settlement; Indian-white relationships; the establishment of agriculture, husbandry and other aspects of economic life; the evolution of social, civic, and religious institutions. Some actual field work and collecting will be performed by the students in Cache Valley or in the areas of their origin. (3) The uses of regional folklore in civic, educational, and religious activities. 3 credits. First session. *Fife*
132. READINGS IN POETRY. To develop appreciation for poetry. Verse forms, various types of poems, and the idea underlying lasting poetry are considered. 3 credits. First session. *Nielsen*
134. LITERARY CRITICISM. Masterpieces of criticism from Plato and Aristotle to Croce. 4 credits. Second session. *Edwards*
144. INTRODUCTION TO AESTHETICS. Principle and forms of the literary and fine arts. This course will trace the different expressions of man's current activities, what they have in common, and in which they differ in principle and form. It will deal with the great theorists from Aristotle to the present. It illustrates the points with emphasis upon literature, and with examples from literature, music and visual arts. 3 credits. First session. *Sundermeyer*
150. AMERICAN POETRY. From Philip Freneau to the present. 3 credits. Second session. *Hayward*
151. AMERICAN FICTION. Nineteenth and Early Twentieth Century Fiction Writers. 3 credits. First session. *Smith*
- 154b. MAJOR AMERICAN AUTHORS. (Ralph Waldo Emerson). 2 credits. Second session. *Smith*
- 165d. MAJOR ENGLISH AUTHORS. (Tennyson). 2 credits. Second session. *Patrick*
201. BIBLIOGRAPHY AND METHODS. Required of all candidates for the master's degree in English. 3 credits. Both sessions. *Smith*
211. BIBLIOGRAPHY AND RESEARCH METHODS. An intensive course in preparation of bibliography, use of source materials, and other problems of thesis

writing. Open to graduate students (other than English majors) only; recommended for first quarter of graduate study. 2 credits. Either session. *Edwards*

Photography

Resident Summer Faculty: INSTRUCTOR B. V. Allen, HEAD of USU Photographic Service.

151. SPECIAL PROBLEMS IN BLACK AND WHITE PHOTOGRAPHY. Training in selection and use of cameras, lenses, meters, films, filters, lights, and accessories. Problems in lighting, demonstrations of developers, developing equipment, and printing materials. No labs. 3 credits. First session. *Allen*

Environmental Planning and Landscape Design

Resident Summer Faculty: PROFESSOR L. S. Morris, HEAD; ASSOCIATE PROFESSOR Eric Defty.

135. TRAVEL COURSE. A major trip to examine a variety of projects in land planning and design; town plans (with emphasis on residential areas) parks, parkways, cemeteries, airports, homes, civic centers and others. This course, starting early in June, will be conducted to San Francisco and vicinity with stopovers on the way. It will last two to three weeks and will require a written report shortly after the termination of the trip. Photographs are required to supplement notes and observations. All students majoring in Environmental Planning and Landscape Design are required to take two travel courses before graduation. Credit arranged. First Session. *Staff*

Geology

Resident Summer Faculty: ASSISTANT PROFESSOR D. R. Olsen.

1. INTRODUCTORY PHYSICAL GEOLOGY. For students in non-science areas. 5 credits. First session. *Olsen*

116. SPECIAL PROBLEMS. Directed study of selected problems. Written report required. Credit arranged. First session. *Olsen*

Languages

Resident Summer Faculty: PROFESSOR M. L. Nielsen, HEAD.

Visiting Faculty: Austin Fife, William K. Sundermeyer.

145. METHODS AND AIMS OF TEACHING FOREIGN LANGUAGES. A study of the aims of foreign language teaching and of the value of foreign languages in the school curriculum, with special attention to the methods of effective language teaching. 3 credits. First session. *Sundermeyer*

French

1. ELEMENTARY FRENCH. 5 credits. First Session. *Staff*

106. SELECTED READINGS. 2 credits. First session. *Staff*

115. FRENCH FOR GRADUATE STUDENTS. A grammar and reading course designed to help graduate students prepare for the Ph.D. examination. 3 credits. First session. *Staff*

138. MASTERPIECES OF MODERN FRENCH LITERATURE IN TRANSLATION. A study of the major literary movements in France since the 18th century. Authors whose works are read and analyzed include Voltaire, Rousseau, Flaubert, Stendahl, Loti, Gide, and Saint - Exupery. 3 credits. First session. *Fife*

Mathematics

Resident Summer Faculty: ASSISTANT PROFESSOR R. G. Hammond.

20. ELEMENTARY MATH CONCEPTS. For prospective teachers in the elementary schools. 5 credits. Both sessions. *Staff*

34. INTRODUCTORY TO COLLEGE ALGEBRA. Prerequisite: one year of high school algebra. 3 credits. First session. *Hammond*

44. PLANE TRIGONOMETRY. Prerequisite: Math 35. 3 credits. Second session. *Hammond*

97. ANALYTICAL GEOMETRY. Prerequisite: Math 35 and 44 or 46. 5 credits. Both sessions. *Hammond*

122. DIFFERENTIAL EQUATIONS. Prerequisite: Math 99. 3 credits. First session. *Hammond*

Physics

Resident Summer Faculty: PROFESSOR J. K. WOOD, HEAD.

107. HISTORY AND LITERATURE OF PHYSICAL SCIENCE. The development of ideas in science and the impact of these ideas in our time. Prerequisite: Physical Science sequence, one quarter of physics or consent of the instructor. 3 credits. First session. *Wood*

115. DEMONSTRATION TECHNIQUES IN PHYSICS. Study and use of equipment and methods necessary for visualizing the problems studied in physical science. Students will be required to build and demonstrate simple experiments. Prerequisite: Physical Science sequence, one quarter of physics or permission of the instructor. 3 credits. Second session. *Wood*

188. SPECIAL PROBLEMS IN EXPERIMENTAL PHYSICS. Advanced experiments for upper division physics students. 1 to 3 hours credit. Either session. *Wood*

Speech

Resident Summer Faculty: PROFESSOR C. J. MYERS, HEAD;
ASSOCIATE PROFESSOR B. F. HANSEN; ASSISTANT PROFESSOR
P. W. NEWMAN.

16. DIALECT. The most prominent dialect forms, their principles and uses. The dialect work of such writers as Burns, Kipling, Drummond, Riley, Dunbar, Harris, and Kirk is studied. 3 credits. First session. *Myers*

21. **INTERMEDIATE PUBLIC SPEAKING.** (Formerly advanced Public Speaking). Students work with types of speaking most interesting and useful to them, and determine lengths of speeches and times to speak, within the framework of certain minimum requirements. Emphasis on developing skill in speech presentation. Prerequisite: Speech 1 or Basic Communications 1, 2, and 3. 3 credits. First session. *Hansen*

24. **ORAL INTERPRETATION: LECTURE AND RECITAL.** Various literary forms are studied for platform presentation. Reading from manuscript and from memory. Preparation and presentation of public recital in reading. 3 credits. First session. *Myers*

83. **ELEMENTS OF BROADCASTING.** The various aspects of broadcast programs with practice in each. Writing and production of commercial continuity, news, musical programs, interviews, discussions and dramas are carried out. 3 credits. First session. *Hansen*

118. **STORY-TELLING.** Analysis and classification of typical stories with reference to periods of the child's development. Consideration is given stories of western pioneer life. Especially for the student teacher, recreation leader, church activity leader, librarian, and parent. 3 credits. First session. *Myers*

167. **INTRODUCTION TO SPEECH CORRECTION.** Factors conducive to normal and abnormal speech development in the child. Special attention to problems of articulation disorders and stuttering. Recommended for prospective elementary school teachers. 3 credits. Second session. *Newman*

173. **ADVANCED CLINICAL PRACTICE.** Case histories, supervised diagnostic and remedial case work in speech pathology. Prerequisite: Consent of instructor. Credit arranged. Second session. *Newman*

190. **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 students and instructors are investigated and reported upon in the course. Prerequisite: consent of instructor. Credit arranged. Either session. *Staff*

200. **SEMINAR IN SPEECH.** Emphasis on the various fields of Speech. Research problems. Credit arranged. Either session. *Staff*

201. **THESIS.** Prerequisite: Graduate standing. Credit arranged. Either session. *Staff*

290. **RESEARCH STUDIES.** Advanced research in Speech and Drama. Either session. Credit arranged. *Staff*

Zoology

Zoology, Entomology and Physiology

Resident Summer Faculty: PROFESSOR D. M. Hammond,
HEAD; ASSOCIATE PROFESSOR T. L. Bahler.

Zoology

1. **PRINCIPLES OF BIOLOGY.** Basic Principles of life as illustrated in plants and animals. Emphasis in concepts of fundamental importance, including

an organization of living things, energy relationships, growth, relation to environment and kinds, reproduction, development, inheritance, and evolution. For lower division students, except those who elect Botany 24, 25, or Zoology 2 or 3 and 4. 5 Credits. First session. *Bahler*

128. ELEMENTS OF HISTOLOGY. Study of tissues, including characteristics of different kinds of tissues and the main organs. 5 credits. Either session. *Bahler*

201. SPECIAL PROBLEMS, ZOOLOGY. The student who wishes to engage in some line of original research and is qualified to do so, may elect and study some topic of Zoology. Open to undergraduates only by special arrangement with the department. Either or both sessions. Credit arranged. *Staff*

240. RESEARCH AND THESIS, ZOOLOGY. Research connected with problem undertaken for partial fulfillment of requirements for an advanced degree. Either or both sessions. Credit arranged. *Staff*

Entomology

210. SPECIAL PROBLEMS. Students with sufficient preparation may select or be assigned problems dealing with certain phases of Entomology. The amount of credit depends on the nature of the problem and amount of time spent. Approval of the instructor should be obtained prior to registration. Credit arranged. Either or both sessions. *Staff*

250. RESEARCH AND THESIS. For research connected with problem undertaken for partial fulfillment of requirements of Master of Science degree. Credit arranged. Either or both sessions. *Staff*

Physiology

4. GENERAL PHYSIOLOGY. For the student who desires a survey of physiology and who is not planning advanced intensive study in the field. It deals with the functioning of the human body with emphasis upon broad general biological principles. 5 credits. Second session. *Bahler*

200. SPECIAL PROBLEMS. The student who wishes to engage in some line of original research and is qualified to do so may elect and study some topic of Physiology. Open to undergraduates only by special arrangement with the department. Credit arranged. Either or both sessions. *Staff*

260. RESEARCH AND THESIS. Research connected with problem undertaken for partial fulfillment of requirement for Master of Science degree. Credit arranged. Either or both sessions. *Staff*

College of Agriculture

R. H. Walker, Dean

Departments offering Summer School classes: Agricultural Economics; Agronomy; Animal Husbandry; Dairy Industry; Poultry Husbandry.

Agricultural Economics

Resident Summer Faculty: PROFESSOR G. T. Blanch, HEAD.

150. SPECIAL READINGS. Directed readings on selected problems for undergraduates. Credit arranged. Either session. *Staff*
 214. THESIS. Credit arranged. Either session. *Staff*
 250. SPECIAL PROBLEMS. Directed study on selected problems for graduates. Credit arranged. Either session. *Staff*

Agronomy

Resident Summer Faculty: PROFESSORS H. B. Peterson, HEAD, S. A. Taylor, D. C. Tingey; ASSOCIATE PROFESSOR D. R. McAllister; ASSISTANT PROFESSORS K. R. Allred, W. G. Dewey, R. Miller, R. L. Smith.

218. SPECIAL PROBLEMS IN AGRONOMY. Special problems in crop production, crop breeding, soil fertility or other phases of agronomy work are investigated. Students review literature on the problem and conduct experiments in the laboratory or on field plots. Credit arranged. Either session. *Staff*
 230. RESEARCH AND THESIS. Outlining and conducting research in soils or farm crops and preparation of thesis. Credit arranged. Either session. *Staff*

Animal Husbandry

Resident Summer Faculty: PROFESSORS J. A. Bennett, HEAD, L. E. Harris; ASSOCIATE PROFESSORS M. A. Madsen, H. Steffen.

230. ANIMAL BREEDING RESEARCH. Time and credit arranged. *Staff*
 240. ANIMAL NUTRITION RESEARCH. Time and credit arranged. *Staff*
 250. ANIMAL PRODUCTION RESEARCH. Time and credit arranged. *Staff*

Dairy Industry

Resident Summer Faculty: PROFESSORS A. J. Morris, HEAD, G. E. Stoddard; ASSOCIATE PROFESSOR P. B. Larsen.

7. DAIRY PRACTICE. For special or short course students only. Practice in plant manufacture emphasized. Credit arranged. Either session. *Larsen*
 220. RESEARCH IN DAIRY INDUSTRY. Credit arranged. Either session. *Morris, Stoddard*
 254. SPECIAL PROBLEMS IN DAIRY INDUSTRY. Credit arranged. Either session. *Stoddard, Larsen*

Poultry Husbandry

Resident Summer Faculty: PROFESSOR C. I. Draper, HEAD.

1. GENERAL POULTRY. Breeds, judging, incubation, brooding, feeding, marketing; designed to meet the needs of the student wishing a general

knowledge of the poultry industry and the problems of production, and a foundation upon which other courses are built. 3 credits. First session.

Draper

107. **POULTRY FEEDS AND FEEDING.** A study of the nutritive requirements of poultry, the composition of poultry feedstuffs, methods of feeding and formulation of rations for special needs. Prerequisite: Poultry 1. 3 credits. Second session.

Draper

125. **SPECIAL PROBLEMS.** Credit arranged. Either session.

Staff

210. **POULTRY RESEARCH.** Credit arranged. Either session.

Staff

VOCATIONAL AGRICULTURAL EDUCATION. (See listing in College of Education).

College of Business and Social Sciences

M. R. Merrill, Dean

Departments offering Summer School classes: Business Administration and Secretarial Science; Economics; History and Political Science; Sociology.

Business Administration and Secretarial Science

Resident Summer Faculty: PROFESSOR V. D. Gardner; ASSOCIATE PROFESSOR N. S. Cannon; INSTRUCTOR H. Lundstrom.

Management

130. **CORPORATION FINANCE.** The structure of corporate enterprise. Financial and operating ratios and proper financial plans and methods of marketing securities are considered. Practical problems emphasized. Prerequisite; Econ. 51, 52; BA 1, 2. 5 credits. Either session.

Cannon, Gardner

139. **MANAGING PERSONAL FINANCE.** Designed to aid in meeting the growing complexity of personal finance: How to avoid financial entanglements, installment buying, borrowing money, owning or renting a home, investing and speculating in securities, everyday legal problems, dealing with illness, death, personal taxes. 5 credits. Either session.

Cannon, Gardner

Secretarial Science

45. **SPEED BUILDING TYPE.** Remedial Typewriting; emphasis on improvement of accuracy and speed. 2 credits. First session.

Lundstrom

65. **FILING.** Training in alphabetic, numeric, subject, decimal, geographic, and soundex methods of filing. Indexing, coding, and filing of letters and cards. 3 credits. First session.

Lundstrom

92. **BUSINESS MACHINES.** Basic training in use of ten-key adding machines, full-keyboard adding listing machines, and rotary calculators. 2 credits. First session.

Lundstrom

Economics

Resident Summer Faculty: PROFESSORS E. B. Murray, HEAD,
V. L. Israelsen.

51. GENERAL ECONOMICS. For the university student regardless of field of specialization. Emphasis is on the understanding of principles and institutions underlying operations of the economic system. 5 credits. Both sessions
Israelsen, Murray
125. TRADE-UNIONISM AND COLLECTIVE BARGAINING. Development, structure, function, government, and philosophy of trade unions in the United States; making and administering collective agreements; impact upon the economic and political system. 3 credits. Second session. *Murray*
155. PRINCIPLES OF TAXATION. Principles involved in establishing the general property tax; income tax; death taxes; taxes upon business; social insurance taxes. Effects of taxes in the American Economy. War and postwar finance. Special tax problems of Utah. 3 credits. First session.
Israelsen
200. RESEARCH IN ECONOMICS. Special investigations by graduate students. Credit arranged. Either session. *Israelsen, Murray*
201. READING AND CONFERENCE. For senior and graduate students. Credit arranged. Either session. *Israelsen, Murray*

History and Political Science

Resident Summer Faculty: PROFESSORS M. R. Merrill, HEAD,
J. D. Brite, ASSOCIATE PROFESSORS W. B. Anderson, M. J. Harmon, E. L. Peterson.

Visiting Faculty: Don L. Bowen.

Political Science

70. COMPARATIVE EUROPEAN GOVERNMENTS. A comparative study of the various form and kinds of governments that have developed in the modern world with primary attention directed toward Europe. 3 credits. Second session. *Anderson*
101. AMERICAN FOREIGN POLICY. The place of the United States in the world of nations as affected by our traditions, interests, and interpretations of international affairs. 3 credits. First session. *Harmon*
102. INTERNATIONAL POLITICAL RELATIONS. Psychological, economic, racial, and other obstacles to international cooperation, as exemplified in recent events. Attention is given to various proposals that attempt to solve the dilemma of our time. 3 credits. Second session. *Anderson*
125. POLITICAL PARTIES AND PRACTICAL POLITICS. Organization and practices of political parties. 3 credits. First session. *Harmon*
129. PUBLIC ADMINISTRATION. Introduction to study of public administration for those contemplating public service careers. The role and techniques of management in public enterprise, the organization, legal bases, planning, staffing personnel, finance and public relations of modern government. 3 credits. First session. *Bowen*
203. READINGS AND CONFERENCE. For senior and graduate students. Credit arranged. Either session. *Staff*
211. THESIS. For graduate students who are preparing a master's degree thesis. Credit arranged. Either session. *Staff*

History

21. THE AMERICAS TO 1763. Geography, pre-Columbian peoples, conquest and colonization by European powers, international rivalries, political, social, and economic developments. 3 credits. First session. *Peterson*
22. THE AMERICAS SINCE 1763. The eve of the revolutions, the Anglo-American and Spanish-American revolutions, early development of the United States and Latin American republics, Brazil and Canada, their political, social and economic development, their role in the contemporary world. 3 credits. Second session. *Peterson*
127. 19TH CENTURY EUROPE. Political and economic developments between 1815 and 1914. 3 credits. First session. *Brite*
176. HISTORY OF THE FAR EAST. The emphasis will be on China, Japan, and Russia since 1900. 3 credits. First session. *Brite*
211. THESIS. For graduate students. Time and credit arranged. Either session. *Staff*
239. READINGS AND CONFERENCE. Credit arranged. Either session. *Staff*

Social Science

5. GEOGRAPHY — EUROPE. 3 credits. Second session. *Peterson*
6. GEOGRAPHY — AFRO-ASIA. 3 credits. First session. *Peterson*

Sociology

Resident Summer Faculty: PROFESSOR R. W. Roskelley, HEAD;
ASSOCIATE PROFESSORS C. Fredrickson, C. J. Skidmore.

Visiting Faculty: Henry A. Bowman, Dorothy T. Dyer, E. J. Niederfrank, William W. Reeder, Aaron L. Rutledge.

120. EDUCATION FOR MARRIAGE. Self understanding and preparation for marriage; courtship, engagement, values and marriage, adjustment in marriage. 3 credits. Second session. *Bowman*
70. INTRODUCTORY SOCIOLOGY. Offered for students in all schools and departments of the college. Emphasis is placed upon developing the student's understanding of the social world about him, and how his social experience contributes to his personality development. 5 credits. First session. *Fredrickson*
141. RURAL COMMUNITY ORGANIZATION AND LEADERSHIP. Analysis of forces and procedures at work in developing community organization, with special emphasis on techniques of training leaders to help make the community more effective. 3 credits. First three weeks of first session. *Niederfrank*
143. LEADERSHIP AND GROUP PRODUCTIVENESS. This is an applied course on leadership. Current theories and principles of leadership are studied in relation to the main problems which are encountered by organizations and group leaders. Designed for group leaders. 3 credits. First session. *Reeder*
162. INSTRUCTIONAL PROBLEMS IN FAMILY LIFE EDUCATION. Methods, materials, and content for teachers dealing with the social, emotional and cultural phases of Family Life Education. 3 credits. First session. *Dyer*
163. MARRIAGE COUNSELING. The philosophy, principles, and techniques of pre-marital and marriage counseling. 3 credits. Second session. *Skidmore, Rutledge*

164. **THE FAMILY IN MIDDLE AND LATER YEARS.** Family principles, and problems of grown children and their parents; parents on their own; understanding older family members. 3 credits. First session. *Dyer*

175. **LEADERSHIP IN COMMUNITY LIVING.** Understanding the Community. Acquiring understanding and attitudes essential to effective individual functioning in a democratic society. Uses of workshops and other techniques as community organization procedures. 3 credits. First session. *Reeder*

201. **RESEARCH IN SOCIOLOGY.** For advanced students only. A project for original study is organized, and field work is carried on under supervision. Prerequisite: Soc. 287. Credit arranged. Either session. *Staff*

203. **INDEPENDENT READINGS IN SOCIOLOGY.** Readings and conferences on topics selected by the student. Credit arranged. Either session. *Staff*

S. W. 162. **MENTAL HYGIENE.** Social and cultural changes that have given rise to problems of adjustment. Reactions to stress: "preventive" growth and adaptation. 3 credits. Second session. *Skidmore*

College of Education

John C. Carlisle, Dean

Departments offering Summer School classes: Agricultural Education; Education; Fine Arts (Music, Theatre Arts, Visual Arts); Health, Physical Education and Recreation; Library Science; Psychology.

Teacher Placement Bureau

The University Teacher Placement Bureau functions actively during the Summer School Session. All teachers seeking employment are encouraged to register with the bureau. Superintendents and others who employ teachers are invited to utilize the services of the bureau. Application folders will be made available upon request and interviews with applicants may be arranged through the bureau.

The Teachers' Placement Bureau is located in the Main Building, Room 179.

Agricultural Education

Resident Summer Faculty: PROFESSOR S. Richardson, HEAD;
ASSISTANT PROFESSOR V. Jarrett.

290. **SPECIAL PROBLEMS FOR AGRICULTURAL TEACHERS.** For teachers of Vocational agriculture who desire to develop a more practical program for future, young and adult farmers. 2 credits. First session is for two weeks. *Jarrett*

291. **SPECIAL PROBLEMS.** For teachers who participate in the Annual Summer Conference for Teachers of Vocational Agriculture. Credit arranged. *Richardson*

124. METHODS OF TEACHING FARM MECHANICS. Scope of mechanics in agriculture, lesson planning, course of study preparation, shop equipment and management, skill requirements and supervised practice. 3 credits. First session. *Richardson*

Education

Resident Summer Faculty: PROFESSORS J. C. Carlisle, HEAD, W. R. Borg; ASSOCIATE PROFESSORS E. M. Drake, B. C. Hansen, E. S. Shaw; ASSISTANT PROFESSORS P. Budge, T. Hatch, G. S. Jacobsen, W. P. Lewis, E. W. Wright; INSTRUCTORS A. Olsen, I. Pedersen, T. Taylor, E. Wiggins, F. Wiggins.

Visiting Faculty: Leonard H. Clark, Theodore W. Clymer, Earl E. Edgar, I. I. Nelson, Delilah Newell, Phyllis R. Publicover, Esther D. Schroeder, Harold Silverthorn, Dorothy Zimmerman.

102. TEACHING THE LANGUAGE ARTS. A study of language development in children and its implication for classroom practice. Emphasis will be placed upon these aspects of communications: listening, speaking, writing and reading. 3 credits. First session. *Schroeder*

103. PRINCIPLES OF ELEMENTARY EDUCATION. Aims, functions, work and attainable goals of the elementary school as an integral part of the American school system of education. Part of the work of the course is observation and analysis of practices in the demonstration school. 4 credits. Second session. *Jacobsen*

104. ELEMENTARY SCHOOL CURRICULUM. Familiarizes prospective elementary teachers with the nature and content of the elementary curriculum and factors that influence its development. Includes an introduction to Utah Elementary Teaching and Supplements, and considers some of the objectives, methods of instruction, teaching aids and materials, and sources of information related to the subjects of the curriculum. 5 credits. Second session. *Staff*

108. SOCIAL STUDIES IN THE PUBLIC SCHOOL. Social responsibilities and opportunities of youth in the modern world. Emphasizes the part to be played by the school and the teacher in helping children meet problems of living. Deals with content and methods on both elementary and secondary level. 3 credits. First session. *Staff*

109. METHODS AND MATERIALS FOR TEACHING ELEMENTARY SCIENCE. A course designed to give practical help to elementary school teachers who wish to teach science more effectively. Various areas of science are examined from the viewpoint of elementary school children, and related teaching techniques and materials are considered. Emphasis is placed on the construction of home-made equipment, the provisions of science experiences outside the classroom, and the development of scientific attitudes. 3 credits. First session. *Taylor*

110. DIAGNOSIS AND TREATMENT OF LEARNING DIFFICULTIES. Specific objectives of the elementary school and methods of analyzing the extent to which these objectives are reached. Diagnostic and remedial measures with respect to various areas of the curriculum. 3 credits. First session. *Clymer*

111. PRINCIPLES OF SECONDARY EDUCATION. The background and status of the American secondary school. Problems concerning desirable objectives and functions are analyzed. An introduction to various type curricula and method is included. 5 credits. Second session. *Drake*
113. PRINCIPLES OF GUIDANCE. Major emphasis is given to organization of guidance as a service, including individual and occupational difference, tests, measurements, and counseling. 3 credits. Either session. *Staff*
114. ORGANIZATION AND ADMINISTRATION. Fundamental principles of organization and administration of schools in the American public school system with emphasis on Utah conditions. 3 credits. Either session. *Hansen, Pedersen*
119. EXTRACURRICULA ACTIVITIES. Designed to acquaint prospective teachers and administrators with extracurricular programs in secondary schools, and the place such activities occupy. 2 credits. Second session. *Drake*
124. THE TEACHING OF ENGLISH. This course considers what research says about methods of teaching English and what the content of the language arts program should be. It also includes a review of some fundamentals. 4 credits. First session. *Budge*
132. CURRICULUM FOR THE MENTALLY HANDICAPPED. A study of curricula and adaptations in methods of teaching especially suited to the needs and patterns of abilities of mentally retarded children. The course should provide helpful guidance both for teachers of special classes for these children and for teachers who provide for them in "regular" school classes. Psychology 123 is a prerequisite or should be taken concurrently. Students who enroll in this class will have opportunity to observe practices in the demonstration class of mentally handicapped children which is to be conducted on the campus during the second session. 3 credits. Second session. *Newell*
133. CURRICULUM AND METHODS FOR KINDERGARTEN. The course will deal with purposes and procedures in kindergarten education. Class members will spend some time observing the kindergarten demonstration school on campus. 3 credits. First session. *Shaw, Olsen*
136. IMPROVING INSTRUCTION IN THE ELEMENTARY SCHOOL. An analysis of the newer concepts of method and of basic factors which contribute to effective learning. Motivation, problem solving, laboratory techniques, and materials of learning will receive attention. 3 credits. First session. *Staff*
138. IMPROVEMENT OF TEACHING IN THE SECONDARY SCHOOL. Designed to meet the needs of teachers, supervisors, and administrators. Emphasis will be upon recent developments in the improvement of teaching-learning situations and activities from junior high school to the junior college. 3 credits. First session. *Budge*
139. MODERN PRACTICES IN THE TEACHING OF READING. In addition to a concern for an adequate developmental reading program, major emphasis will be placed on helping the child who is having reading difficulties. For both the elementary and secondary teacher. 3 credits. First session. *Clymer*
151. METHODS AND MATERIALS FOR TEACHING JUNIOR HIGH SCHOOL SCIENCE. A course designed to give practical help to teachers of science in the junior high school. Emphasis is placed upon the construction of homemade equipment, the provision of science experiences outside the classroom and the development of scientific attitudes. 3 credits. Last three weeks of First session (June 30 to July 18). *Zimmerman*

156. **STUDENT TEACHING IN SPECIAL EDUCATION.** The area of specialized training for this course is with the mentally handicapped child and is designed to help the teacher apply methods and techniques found to be successful with slow-learning children. The apprentice plan is followed which requires an initial period of observation with minor responsibilities which increase as the student's ability is demonstrated. Enrollment is limited to experienced teachers or students who have completed Education 106. Students enrolled in the class will also be expected to have completed or be concurrently taking the course in Psychology 123, Psychology of Exceptional Children, and Education 132, Curriculum for the Mentally Handicapped. Arrangements should be made prior to the 2nd session with Dr. Heber C. Sharp. 3 credits. Second session. *Newell*
159. **ARITHMETIC IN THE ELEMENTARY SCHOOL.** The course will deal with modern viewpoints and techniques of teaching arithmetic and will provide opportunity for creating instructional materials and devices. 3 credits. First session. *Taylor*
161. **AUDIO-VISUAL AIDS IN EDUCATION.** Studies the building of a workable program in which the newest materials and techniques are utilized. 3 credits. Either session. *Drake, Pedersen*
182. **HISTORY OF EDUCATION.** Major educational movements from early Greece to the present with emphasis on purposes, organization, instructional procedures, curriculum, etc., and their bearing on today's education. 3 credits. First session. *Lewis*
189. **GROUP DYNAMICS AND ACTION RESEARCH.** A course for advanced students in education and the social sciences designed to introduce students to the scientific investigation of small groups. Subject matter will be drawn from psychology, sociology and education. Students will have an opportunity critically to study and evaluate the most recent research on various institutional methods. The course should be helpful to students anticipating research for thesis at either the master or doctorate level as well as practicing teachers at any level who are interested in assessing the effectiveness of their instructional techniques. 3 credits. Second session. *Staff*
202. **PHILOSOPHY OF EDUCATION.** An analysis of the major philosophies of education and their implications for current educational practices. 3 credits. First session. *Edgar*
203. **COMPARATIVE EDUCATION.** A study of the school system and educational problems of Europe, Latin America, the Middle East, Far East and Russia. Students from foreign lands and resident faculty members personally acquainted with various programs are utilized as resource persons. 3 credits. Second session. *Lewis*
204. **ELEMENTARY SCHOOL CURRICULUM.** An advanced course in elementary school curriculum for graduate students including experienced teachers, supervisors and administrators. 3 credits. First session. *Shaw*
205. **READING AND CONFERENCE.** Provides for individually directed study in subjects of one's special interest and preparation. Time and credit arranged. Either session. *Staff*
207. **ELEMENTARY SCHOOL ADMINISTRATION.** The operation and management of the modern elementary school. 3 credits. First session. *Jacobsen*
208. **SCHOOL SUPERVISION.** The principles and practices of school supervision including the qualifications and responsibilities of the supervisor in elementary and secondary education. 3 credits. First session. *Schroeder*

209. SUPERVISION OF STUDENT TEACHERS. The course will deal with practical problems involved in relationship between the classroom teacher and the student teacher. How to make the student teaching experience more significant in the teacher preparation curriculum will be the central problem. Study materials will deal with successful practices in the elementary and secondary schools as reported from different areas of the country. 3 credits. First session. *Staff*

211. EDUCATIONAL MEASUREMENTS. Principles of measurements, tests and test construction. statistical analysis, and evaluation procedures in education. 3 credits. Second session. *Stone*

213. ORGANIZATION AND ADMINISTRATION OF GUIDANCE. Development and evaluation of plans for utilization of school and community resources in guidance. 3 credits. Second session. *Wright*

215. SECONDARY SCHOOL CURRICULUM. A study of the secondary school curriculum, junior and senior high school, as it now exists in typical schools, with special reference to Utah. 3 credits. First session. *Clark*

216. EVALUATING THE JUNIOR HIGH SCHOOL. The course will be devoted to a critical study of criteria being developed for the evaluation of the junior high school. Enrollment only on consent of the instructor. 5 credits. June 9-27, in first session. *Nelson, Hatch*

217. CURRICULUM AND METHODS IN JUNIOR HIGH SCHOOL. The course will consider problems of curriculum and teaching in the junior high school. Class members will have opportunities to work on problems of immediate concern to them. For teachers, supervisors, and administrators. 3 credits. June 30-July 18. First session. *Nelson*

218. PUBLIC RELATIONS IN EDUCATION. Objectives, techniques and media for an improved school public relations program are listed and evaluated. 3 credits. First session. *Drake*

221. SCHOOL ADMINISTRATION. The work of the school administrator and the principles upon which the profession of school administration is practiced. Federal, state and local relations to education are studied. 3 credits. First session. *Hansen*

223. LEGAL ASPECTS OF SCHOOL ADMINISTRATION. Emphasis is given to responsibilities and functions of local and district school administrators with interpretations of legal status, forms and procedure as established by statutes, legal opinions, and court decisions. 3 credits. First session. *Hatch*

236. SECONDARY SCHOOL ADMINISTRATION. Topics in secondary school administration are considered, including problems of teacher-pupil personnel, the principal as supervisor, and managing the activity program. Designed for experienced school principals, and those preparing for the administrator's certificate in secondary education. 3 credits. Second session. *Staff*

237. PROBLEMS IN SECONDARY EDUCATION. For graduate students in secondary education and those preparing for school administration and supervision in the junior or senior high schools. Reviews current research in areas of special interest to class members. 3 credits. First session. *Carlisle*

245. PROBLEMS IN ELEMENTARY EDUCATION. Consideration given those fields of elementary education that members of the class desire to investigate in order to gain modern authoritative viewpoints. Opportunity for both individual and group work. 3 credits. Second session. *Jacobsen*

246. PROBLEMS IN SCHOOL ADMINISTRATION. The class has two purposes: (1) to assist students with the completion of graduate research problems in school administration; and (2) to serve as a seminar in school administration in which current problems in the field are analyzed. 3 credits. Second session. *Hansen*

267. **INTRODUCTION TO RESEARCH.** An inquiry into the nature and sources of research problems with a study of underlying principles and methods of working out such problems in education. Some attention is given thesis writing as a problem related to research. 3 credits. First session. *Borg*
268. **METHODS OF EDUCATIONAL RESEARCH.** The major objective of this course is to assist the student in developing and perfecting his thesis research design. The course also provides practical research experience and insight through the planning and carrying out of a class research project. Enrollment on consultation with instructor. 3 credits. First session. *Borg*
271. **RESEARCH AND THESIS WRITING.** Individual work in thesis writing with necessary guidance and criticism. Credit arranged. Either session. *Staff*
281. **SCHOOL FINANCE.** The importance of finances in a school system; principles and practices involved in collecting and distributing school revenues, with special reference to conditions in Utah. 3 credits. First session. *Lewis*
302. **READINGS IN FOUNDATIONS OF EDUCATION.** The course will deal with current problems of education in terms of their sociological, historical and philosophical foundations. For advanced graduate students. Enrollment on consent of the instructor. 3 credits. Second session. *Lewis*
315. **CURRICULUM DEVELOPMENT.** Advanced problems in the foundation of curriculum building. Philosophic bases of the curriculum, current practices, and organization for curriculum study. 3 credits. First session. *Clark*
322. **ADMINISTRATION OF SCHOOL PERSONNEL.** Principles and practices in management of teacher and pupil personnel. 3 credits. Second session. *Hansen*
342. **HIGHER EDUCATION.** A study of the development and current status of "education beyond the high school" in America with special emphasis upon the role of the junior college. 3 credits. First session. *Edgar*
360. **SCHOOL BUILDING PROGRAMS.** School housing surveys, location and capacity of schools, instructional needs as a basis for planning, standards for equipment, checking plans and specifications, business and legal provision governing financing and construction of new buildings, bids and contracts. 5 credits. First session. *SILVERTHORN*
375. **FIELD STUDIES AND THESIS.** Individual work on research problems applying on the program of the Ed.D. Credit arranged. Either session. *Staff*

Fine Arts

(Music, Theatre Arts, Visual Arts)

- Resident Summer Faculty:* PROFESSORS H. R. Reynolds, W. Welti; ASSOCIATE PROFESSORS T. Tippetts, HEAD, A. L. Dittmer, J. Larson, F. T. Morgan, E. Thorpe, I. Wasserman, ASSISTANT PROFESSORS J. Byers, V. Call, M. Dalby, H. Groutage.
- Visiting Faculty:* David Cressey, Fay Hanson, Clarence E. Sawhill, Arch J. Stokes.

Theatre Arts

20. VOICE FOR THEATRE. Vocal development of students in preparation for actual dramatic performance. Practice in theatre reading for the improvement of vocal power, projection, diction, flexibility and variety. Individual and group practice in the interpretation of lines and scenes. 3 credits. Second session. *Tippetts*

166. DRAMA PRODUCTION. A course dealing with problems of play selection, casting, directing, scenery construction and painting, lighting, costume and make-up: Recommended to drama teachers, M.I.A. drama directors, recreation leaders. Students will assist with the production of a musical comedy and summer stock plays. 3 credits. First session. *Staff*

190. PROBLEMS AND PROJECTS IN THEATRE. Selected research problems of merit or advanced projects in acting, directing, scene design, costume design, costume construction, lighting, technical practice, makeup and theatre management. Projects may be done in connection with the summer musical production or they may be independent endeavors. Credit arranged. Either session. *Staff*

204. THESIS. Credit arranged. Either session. *Staff*

Music

150. ELEMENTARY SCHOOL MUSIC. Application of music to the elementary classrooms. Problems, methods and materials in singing, rhythm, creative music, reading and appreciation. 3 credits. First session. *Dittmer*

180. PIANO LITERATURE. Music written for the piano from its earliest composers to Mozart will be performed and analyzed. 2 credits. First session. *Wassermann*

163. PIANO WORKSHOP. An intensive course for advanced piano students and piano teachers. Includes lectures on basic harmony, piano techniques, memorization, building repertoire, and teaching materials. 1 credit. *Wassermann*

258. SEMINAR IN MUSIC EDUCATION. Teaching and administration of the various phases of the music program. Special projects. 3 credits. First session. *Dalby*

259. SEMINAR IN MUSIC THEORY. A graduate course dealing with the application of skills in theory to the teaching situation. 3 credits. First session. *Dittmer*

60-160. INDIVIDUAL PIANO INSTRUCTION. Credit arranged. First session. *Wassemann*

70-170. INDIVIDUAL WOODWIND INSTRUCTION. Credit arranged. First session. *Dalby*

72-172. INDIVIDUAL BRASS INSTRUCTION. Credit arranged. First session. *Dalby*

64-164. INDIVIDUAL VOCAL INSTRUCTION. Credit arranged. First session. *Dittmer, Welts*

74-174. INDIVIDUAL VIOLIN INSTRUCTION. Credit arranged. First session. *Galos*

Utah State Summer Music Festival and Clinic

M. F. Dalby, chairman

The Utah State Summer Music Festival and Clinic serves two functions: They offer to high school students the opportunity to broaden their musical understanding and experience under the instruction of expert teachers of local and national reputation; they offer music teachers, supervisors, and university students the opportunity to observe the instruction of high school students while pursuing advanced work in their respective fields.

A maximum of three hours credit may be earned by teachers registered for any three of the following classes:

251. **ADVANCED CHORAL METHODS.** Rehearsal techniques and materials to use with the secondary school choir. The study of phonetics and its relation to good choral sound. Teachers registering for this class are expected to sing in clinic chorus. 1 credit. Daily, June 23 - July 3. First session. *Welti*

252. **ADVANCED ORCHESTRA METHODS.** Techniques of training the school orchestra. A consideration of special problems relating to the string instruments. Teachers registering for this class are expected to play in the clinic orchestra. 1 credit. Daily, June 23-July 3, First session. *Galos*

253. **ADVANCED BAND METHODS.** Techniques in training the marching band. Private consultation on problems in rehearsal techniques, public relations, etc. Teachers registering for this class are expected to play in the clinic reading band. 1 credit. Daily, June 23-July 3, First session. *Sawhill, Stokes*

221a. **WOODWIND CLINIC.** An intensive study of the woodwind instruments with recommended methods of teaching. 1 credit. Daily, June 23-July 3. First session. *Dalby and Staff*

221b. **BRASS CLINIC.** An intensive study of the brass instruments with recommended methods of teaching. 1 credit. Daily, June 23-July 3. First session. *Hanson*

Visual Arts

5. **BEGINNING DESIGN.** Design relates to the meaningful organization of art elements. This beginning course introduces the basic art elements and comprises projects, largely in two dimensions. Class meets three hours twice a week. Required of all art majors. 3 credits. First session. *Thorpe*

8. **BASIC DRAWING.** An individually creative approach to drawing natural forms from observation and memory. Various media are used. Prerequisite to all painting courses. 3 credits. Second session. *Thorpe*

14. **INTRODUCTION TO PAINTING.** Introducing basic approaches to painting which develop freedom of expression. Tempera and related media. Recommended prerequisite to all other painting courses. 3 credits. First session. *Thorpe*

16. **CERAMICS.** Creative methods of shaping and finishing pottery and ceramic sculpture in various types and styles. 3 credits. First session. *Cressey, Tippetts*

21. **LETTERING LAYOUT.** Elementary and advanced pen and brush lettering. 3 credits. First session. *Thorpe*

Course Title	Dept.	Course			Time	Instructor	Location	X T
		Number	Section	Credit				
<u>AGRIC ECONOMICS</u>								
Spec Readings	Ag Ec	150	Bl	Arr	Arranged	Staff	Arr	X
Thesis	Ag Ec	214	Bl	Arr	Arranged	Staff	Arr	X
Sp Problems Ag Ec	Ag Ec	250	Bl	Arr	Arranged	Staff	Arr	X
<u>AGRIC EDUCATION</u>								
Meth Teach Fm Meci	Ag Ed	124	Fl	3	D7:30-9:40	Richardson, S.	Ag S 216	
Spec Problems	Ag Ed	290	Fl	3	Daily 8-5 2 weeks	Jarrett, V.	FM Shop	
Spec Prob - Teach	Ag Ed	291	Fl	3	Arranged	Richardson, S.	Arr	
<u>AGRONOMY</u>								
Sp Problems	Agron	218	Bl	Arr	Arranged	Staff	Arr	T
Research - Thesis	Agron	230	Bl	Arr	Arranged	Staff	Arr	T
<u>ANIMAL HUSBANDRY</u>								
Animal Breed Res	An Hus	230	Bl	Arr	Arranged	Staff	Arr	T
Animal Nutr Res	An Hus	240	Bl	Arr	Arranged	Staff	Arr	T
Animal Prod Res	An Hus	250	Bl	Arr	Arranged	Staff	Arr	T
<u>ART - (See Fine Arts)</u>								
<u>BACTERIOLOGY & PUBLIC HEALTH</u>								
<u>Bacteriology</u>								
Elementary Bact	Bact	10	Sl	5	D 7:30-9:40	Stevens, K.R.	F302	
Spec Prob in Bact	Bact	294	Bl	Arr	Arranged	Staff	F311	
Thesis Research	Bact	299	Bl	Arr	Arranged	Staff	F311	
<u>Public Health</u>								
School Health	PubH	155	Fl	4	MTWTh 1-2:50	Stevens, K.R.	F302	
School Health	PubH	155	S2	4	MTWTh 9:50- 12:00	Stevens, K.R.	F302	
Spec Prob in Pub H	PubH	254	Bl	Arr	Arranged	Staff	F311	
<u>BUSINESS ADMIN</u>								
<u>Management</u>								
Corporation Finance	BA	130	Bl	5	Daily 7:30	Cannon, N.S. Gardner, V.D.	M308	
Personal Finance	BA	29	Bl	5	Daily 9:50	Cannon, Gardner	M308	
<u>Sec Science</u>								
Speed Bldg Type	SS	45	Fl	1	Daily 7:30	Lundstrom, H.	M309	
Filing	SS	65	Fl	3	Daily 8:40	Lundstrom, H.	M305	
Business Machines	SS	92	Fl	2	Daily 9:50	Lundstrom, H.	M307	
<u>CHEMISTRY</u>								
Gen Chem Lect	Chem	10	Fl	5	Daily 8:40	Lee, G.L.	W205	
Gen Chem Rec	Chem	10	F		MWF 9:50	Lee, G.L.	W205	
Gen Chem Lab	Chem	10a	F		TTh 9:50-1:00	Lee, G.L.	W208	
Gen Chem Lect	Chem	11	Sl	5	Daily 8:40	Lee, G.L.	W205	
Gen Chem Rec	Chem	11	S		MWF 9:50	Lee, G.L.	W205	
Gen Chem Lab	Chem	11a	S		TTh 9:50-1:00	Lee, G.L.	W208	
Organic Chem Lect	Chem	121	Fl	5	Daily 7:30	Larson, G.O.	W205	
Organic Chem Lab	Chem	121a	S		Daily 8:40-12	Larson, G.O.	W202	
Organic Chem Lect	Chem	122	Sl	5	Daily 7:30	Larson, G.O.	W205	
Organic Chem Lab	Chem	122a	S		Daily 8:40-12	Larson, G.O.	W202	
Research	Chem	298	Bl	Arr	Arranged	Staff	Arr	

1 X Enrollment Limited
T See Instructor

Course Title	Dept.	Course			Time	Instructor	Location	X T
		Number	Section	Credit				
<u>FAMILY LIVING & CHILD DEVELOPMENT</u>								
Child in the Family	CD	67	Fl 3		Daily 8:40	Lewis, D.		
Freshchool Lab	CD	68	Fl 2		TTh 1,2 hrs arr	Carter, D.C.	C202 C202	
Hum Growth & Dev	CD	100	Fl 3		Daily 9:50	Carter, D.C.	C202	
Probs Marr & Fam	CD	155	Sl 3		Daily 9:50	Bowman, H.	C202	
Nursery School Meth	CD	174	Fl 3		Daily 1	Lewis, D.	C202	
Pract Teach in NS	CD	175	Fl 3		D 7:30-11	Lewis, D.	C202	
<u>CIVIL & IRR ENGINEER</u>								
Special Problems	CE	230	Bl Arr		Arranged	Staff	E Arr	
Graduate Thesis	CE	298	Bl Arr		Arranged	Staff	E Arr	
<u>CLOTHING, TEXTILES & RELATED ARTS</u>								
Tailoring	CTRA	165	Fl 3		MTWTh 7:30- 10:50	Staff	C214	
Newer Dev in Text	CTRA	169	Fl 3		Daily 1	Staff	C208	
Res Master Thesis	CTRA	210	Fl Arr		Arranged	Staff	C204	
<u>DAIRY INDUSTRY</u>								
Res Dairy Ind	DI	220	Bl Arr		Arranged	Staff	Arr	
Spec Prob in DI	DI	254	Bl Arr		Arranged	Staff	Arr	
<u>DRAMA - (See Fine Arts)</u>								
<u>ECONOMICS</u>								
General Econ	Econ	51	Bl 5		Daily 7:30	Israelsen, Murray	M355	
Trade-Un Coll Barg	Econ	125	Sl 3		Daily 8:40	Murray, E.	M355	
Prin of Taxation	Econ	155	Fl 3		Daily 8:40	Israelsen, V.	M355	
Research in Econ	Econ	200	Bl Arr		Arranged	Israelsen, Murray	M316	
Read & Conf	Econ	201	Bl Arr		Arranged	Israelsen, Murray	M316	
<u>EDUCATION</u>								
Tch Lang Arts	Educ	102	Fl 3		Daily 8:40	Schroeder, E.	E.B.	
Prin Elem Educ	Educ	103	Sl 4		D 7:30 1 hr arr	Jacobsen, G.	E.B.	
Elem Sch Curric	Educ	104	Sl 5		Daily 1-3	Staff	E.B.	
Soc Stud Elem Sch	Educ	108	Fl 3		Daily 8:40	Staff	E.B.	
Mth & Mat Tch Elem Sci	Educ	109	Fl 3		Daily 1:00	Taylor, T.	E.B.	
Diag & Rem Tch	Educ	110	Fl 3		Daily 9:50	Clymer, T.	M178	
Prin Sec Educ	Educ	111	Sl 5		Daily 8:40-11	Drake, E.	M 83	
Prin of Guidance	Educ	113	Fl 3		Daily 1	Staff	M 56	
Prin of Guidance	Educ	113	Sl 3		Daily 11:00	Staff	M 56	
Organ & Admin	Educ	114	Fl 3		Daily 9:50	Hansen, B.	M 56	
Organ & Admin	Educ	114	Sl 3		Daily 2:10	Pedersen, I.	M 56	
Extracurr Act	Educ	119	Sl 2		MTWTh 9:50	Drake, E.	M178	
Teaching of English	Educ	124	Fl 4		D 7:30 1 hr arr	Budge, P.	M178	
Curr Mently Handic	Educ	132	Sl 3		Daily 1:00	Newell, D.	E.B.	
Curric Mthds Kindgtn	Educ	133	Fl 3		Daily 1:00	Shaw - Olsen	E.B.	
Imp Instruc Elem Sch	Educ	136	Fl 3		Daily 12	Staff	E.B.	
Imp Tch Sec Sch	Educ	138	Fl 3		Daily 8:40	Budge, P.	M80	
Mod Prac Tch Read	Educ	139	Fl 3		Daily 7:30	Clymer, T.	M357	
Mths Mat Tch Jr HS Sci	Educ	151	Fl 3		Daily 8:40	Zimmerman, D.	M82a	
Stud Tch Spec Educ	Educ	156	Sl 3		(Educ 151 - taught June 30 - July 18, 1958)	Newell, D.	E.B.	
Arith Elem Sch	Educ	159	Fl 3		Arranged	Taylor, T.	E.B.	
Audio-Vis Aids	Educ	161	Fl 3		Daily 8:40	Drake, E.	E.B.	
Audio-Vis Aids	Educ	161	Sl 3		Daily 7:30	Pedersen, I.	E.B.	
Hist of Educ	Educ	182	Fl 3		Daily 7:30	Lewis, W.	M56	
Grp Dyn Action Res	Educ	189	Sl 3		Daily 9:50	Staff	M357	
Philos of Educ	Educ	202	Fl 3		Daily 8:40	Edgar, E.	M178	
Comparative Educ	Educ	203	Sl 3		Daily 7:30	Lewis, W.	M178	
Elem Sch Curric	Educ	204	Fl 3		Daily 8:40	Shaw	E.B.	
Read & Conf	Educ	205	Bl Arr		Arranged	Staff	Arr	

Course Title	Dept.	Course			Time	Instructor	Location	X T
		Number	Section	Credit				
Elem Sch Admin- Sch Superv.	Educ	207	Fl	3	Daily 9:50	Jacobsen, G.	E.B.	
Superv Stud Tchrs	Educ	208	Fl	3	Daily 7:30	Schroeder, J.	E.B.	
Educ Meas	Educ	209	Fl	3	Daily 9:50	Staff	M280	
Organ & Admin Guid	Educ	211	Sl	3	Daily 12	Stone, D.	M287	
Sec Sch Curric	Educ	213	Sl	3	Daily 11	Wright, W.	M357	
Evaluat Jr HS	Educ	215	Fl	3	Daily 9:50	Clark, L.	E.B.	
Jr High School	Educ	216	Fl	5	Arr (three wks)	Nelson, Hatch	M178	
		217	Fl	3	Arr	Nelson, I.		
Pub Rel in Educ	Educ	(Educ 217 - taught	Fl	3	June 30 - July 18, 1958)	Drake, E.	M52	
School Admn	Educ	218	Fl	3	Daily 9:50	Hansen, B.	M52	
Leg Asp Sch Admin	Educ	221	Fl	3	Daily 7:30	Hatch, T.	M52	
Sec Sch Admin	Educ	223	Fl	3	Daily 8:40	Staff	M82a	
Prob in Sec Educ	Educ	236	Sl	3	Daily 9:50	Carlisle, J.	M56	
Prob in Elem Educ	Educ	237	Fl	3	Daily 8:40	Jacobsen, G.	M56	
Prob in Sch Admin	Educ	245	Sl	3	Daily 9:50	Hansen, B.	M52	
Intro to Research	Educ	246	Sl	3	Daily 9:50	Borg, W.	M287	
Meth of Educ Res	Educ	267	Fl	3	Daily 1	Borg, W.	E.B.	
Research - Thesis	Educ	268	Fl	3	Arranged	Staff	Arr	
School Finance	Educ	281	Fl	3	Daily 9:50	Lewis, W.	M80	
Read in Found of Ed	Educ	271	Bk	Arr	Arranged	Staff	M178	
Curric Develop	Educ	302	Fl	3	Daily 8:40	Lewis, W.	M283	
Admin Sch Pers	Educ	315	Fl	3	Daily 7:30	Clark, L.	M80	
Higher Educ	Educ	322	Sl	3	Daily 9:50	Hansen, B.	M82a	
Sch Build Programs	Educ	342	Fl	3	Daily 1-3	Edgar, E.	E.B.	
Fld Stud - Thesis	Educ	360	Fl	5	Daily 9:50	Silverthorn, H.	Arr	
		375	Bk	Arr	Arranged	Staff		
<u>ELEC ENGINEERING</u>								
Spec Stud EE	EE	200	Bk	Arr	Arranged	Staff	MA204	T
Elec Mag Wave	EE	233	Bk	3	Arranged	Clark, C.	MA213	T
Graduate Thesis	EE	298	Bk	Arr	Arranged	Staff	MA213	T
<u>ENGLISH, JOURNALISM & PHOTOGRAPHY</u>								
<u>English</u>								
Basic Comm	Engl	1	Fl	3	Daily 9:50	Patrick, J.M.	L309	
Read in the Novel	Engl	37	Fl	3	Daily 9:50	Edwards, M.D.	L303	
World Lit - 1660	Engl	41	Bk	5	Daily 8:40	Nielsen, V.L.	L303	
Amer Lit Early Prd	Engl	53	Bk	5	Daily 1:00	Hayward, I.N.	L305	
Grammar	Engl	104	Fl	3	Daily 1:00	Patrick, J.M.	L307	
Tech Writing	Engl	111	Fl	3	Daily 8:40	Edwards, M.D.	L305	
Creative Writing	Engl	117b	Fl	3	Daily 9:50	Hayward, I.N.	L305	
Creative Writing	Engl	117c	Sl	3	Daily 7:30	Nielsen, V.L.	L303	
Folklore	Engl	131	Fl	3	Daily 8:40	Fife, A.	M363	
Readings in Poetry	Engl	132	Fl	3	Daily 7:30	Nielsen, V.L.	L303	
Literary Criticism	Engl	134	Sl	4	Daily 11:00	Edwards, M.D.	L303	
Intro to Aesthetics	Engl	144	Fl	3	Daily 1:00	Sundermeyer, W.	M52	
American Poetry	Engl	150	Sl	3	Daily 8:40	Hayward, I.N.	L305	
American Fiction	Engl	151	Fl	3	Daily 9:50	Smith, H.W.	L307	
Major Amer Authors	Engl	154b	Sl	2	Daily 9:50	Smith, H.W.	L307	
Major Engl Authors	Engl	165a	Sl	2	Daily 7:30	Patrick, J.M.	L309	
Biblio and Methods	Engl	201	Bk	5	MWF 7:30	Smith, H.W.	L307	
Bib and Res Meth	Engl	211	Fl	2	MTWTh 1:00	Edwards, M.D.	L303	
Bib and Res Meth	Engl	211	Sl	2	MTWTh 9:50	Edwards, M.D.	L305	
<u>Photography</u>								
Adv Photo Prob	Photo	151	Fl	3	Daily 1	Allen, B.V.	TG	
<u>ENTOMOLOGY - (See Zool)</u>								
<u>FINE ARTS</u>								
<u>Drama</u>								
Drama Production	FA-D	166	Fl	3	Daily 1	Morgan, F,Call,V. Byers, J.A.	M82a	

Course Title	Dept.	Course			Time	Instructor	Location	X T
		Number	Section	Credit				
Prob in Drama	FA-D	190	Bl	Arr	Arranged	Morgan, Call, Byers	Arr	
Thesis	FA-D	204	Bl	Arr	Arranged	Staff	Arr	
<u>Music</u>								
Indiv Piano Instr	FA-M	60	Fl	Arr	Arranged	Wasserman, I.	Arr	
Indiv Vocal Instr	FA-M	64	Fl	Arr	Arranged	Dittmer, Welti	Arr	
Indiv Woodwind Instr	FA-M	70	Fl	Arr	Arranged	Dalby, M.F.	Arr	
Indiv Brass Instr	FA-M	72	Fl	Arr	Arranged	Dalby, M.F.	Arr	
Indiv Violin Instr	FA-M	74	Fl	Arr	Arranged	Galos, A.J.	Arr	
Elem Sch Music	FA-M	150	Fl	3	Daily 7:30	Dittmer, A.L.	AHL03	
Piano Workshop	FA-M	163	Fl	1	D 9:50-4:20	Wasserman, I.	M252a	
(Piano Workshop, MTW June 23, 24	June 23, 24	25 or	MTW	June	30, July 1 and 2)			
Piano Literature	FA-M	180	Fl	2	MWF 8:40	Wasserman, I.	M252a	
Seminar in Music Educ	FA-M	258	Fl	3	Daily 9:50	Dalby, M.F.	Arr	
Seminar in Music Theory	FA-M	259	Fl	3	Daily 8:40	Dittmer, A.L.	AHL03	
Indiv Piano Instr	FA-M	160	Fl	1	Arranged	Wasserman, I.	Arr	
Indiv Vocal Instr	FA-M	164	Fl	1	Arranged	Dittmer, Welti	Arr	
Indiv Woodwind Instr	FA-M	170	Fl	1	Arranged	Dalby, M.F.	Arr	
Indiv Brass Instr	FA-M	172	Fl	1	Arranged	Dalby, M.F.	Arr	
Indiv Violin Instr	FA-M	174	Fl	1	Arranged	Galos, A.J.	Arr	
Woodwind Clinic	FA-M	221a	Fl	1	Daily	Dalby & Staff	Arr	
Brass Clinic	FA-M	221b	Fl	1	Daily	Hanson	Arr	
Adv Choral Methods	FA-M	251	Fl	1	Daily	Welti, W.	Arr	
Adv Orch Meth	FA-M	252	Fl	1	Daily	Galos, A.J.	Arr	
Adv Band Meth	FA-M	253	Fl	1	Daily	Sawhill, Stokes	Arr	
(last five courses to be taught June 23 - July 1)								
<u>Visual Arts</u>								
Beginning D sign	FA-A	5	Fl	3	D 9:50-12	Thorpe, E.	M334	
Basic Drawing	FA-A	8	Sl	3	D 7:30-9:40	Thorpe, E.	M334	
Intro to Painting	FA-A	14	Fl	3	D 7:30-9:40	Larson, J.	M336	
Lettering Layout	FA-A	21	Fl	3	D 1-3:10	Thorpe, E.	M334	
Water Col Rel Med	FA-A	111	Sl	3	D 7:30-9:40	Groutage, H.	M336	
Fab Des & Applic	FA-A	115	Fl	3	D 9:50-12	Larson, J.	M337	
Ceramics	FA-A	116	Fl	3	D 1-3:10 or 1-14	Cressey, D.	Studio	
Ceramics	FA-A	116	Sl	3	D 1-3:10	Groutage, H.	Studio	
Oil Painting	FA-A	127	Sl	3	D 9:50-12	Thorpe, E.	M336	
Art Education Workshop	FA-A	153		Arr	D 9-12, 1-4	Reynolds & Staff		
(Art Educ Workshop - to be taught at Jordan High School, June 16-17)								
Music Handicraft	FA-A	155	Fl	3	D 8-11, or 1-4	Jeppesen, M.T.	M335	
<u>FOODS & NUTRITION</u>								
Food Technology	F&N	146	Sl	2	MW 1 TTh 1-4:20	Merkley, M.	C103	
Rec Prog Hum Nutr (weight cont class)	F&N	185	Fl	3	TTh 3:20-5:30 W 3:20	Wilcox, E.	C3	
<u>FOREST MANAGEMENT</u>								
Forest Surveying	For	95	Fl	3	Arranged	Staff	S Camp	
Forest Practice	For	97	Fl	2	Arranged	Staff	S Camp	
Thesis	For	211	Fl	Arr	Arranged	Staff	Arr	
<u>GEOLOGY</u>								
Intro Phy Geology	Geol	1	Fl	5	D 7:30-9:40	Olsen, D.	M287, 83	
Special Problems	Geol	116	Fl	Arr	Arranged	Olsen, D.	Arr	
<u>HEALTH, PHYSICAL EDUCATION & RECREATION</u>								
Activity								
Tennis (elem)	HPER	67	Fl	1	Daily 9:50	Nelson, D.	Courts	
Tennis (elem)	HPER	67	F2	1	Daily 1:00	Pearce, J.	Courts	
Tennis (elem)	HPER	67	Sl	1	Daily 1:00	McClellan, L.	Courts	
Modern Dance (advanced)	HPER	141	Sl	1	Daily 9:50	Fuller, P.	WG	
Swimming (elem)	HPER	52	Fl	1	Daily 2:00	Pearce, J.	Pool	
Swimming (elem)	HPER	52	Sl	1	Daily 1:00	Rasmussen, D.	Pool	
Archery	HPER	61	Sl	1	D ily 7:30	McClellan, L.	PH	
Badminton	HPER	65	Fl	1	Daily 9:50	Downs, L.	MG	

Course Title	Dept.	Course			Time	Instructor	Location	X T
		Number	Section	Credit				
Folk Dance	HPER	68	Fl	1	Daily 9:50	Pearce, J.	WG	
Golf	HPER	73	Fl	1	Daily 1:00	Downs, L.	G27	
Golf	HPER	73	Sl	1	Daily 1:00	Rasmussen, D.	G27	
Horsemanship Professional	HPER	119	Fl	1	Arranged	Staff	Arr	
Rhythms Drana Games	HPER	81	Sl	2	Daily 1:00	Fuller, P.	WG	
Football Coaching School	HPER	120	a	1	D 8:00-12:00	Ward, D.	UB	
Basketball Coaching School	HPER	120	b	1	D 1:00-4:00	Rupp, A.	UB	
Baseball Coaching School	HPER	120-	c	1	Arranged	Staff	UB	
Athletic Training School	HPER	120	d	1	Arranged	Staff	UB	
Tech in PE	HPER	130	Sl	Arr	Daily 9:50	Rasmussen, D.	Arr	
Wat Saf Inst Crse	HPER	132	Fl	2	Daily 2:00	Nelson, D.	Arr	
Wrkshop in PE	HPER	144	Fl	3	Daily 7:30	Downs, L.	Arr	
Out-of-Door Ed	HPER	152	Fl	3	Daily 9:50	Anderson, J.	Arr	
Lead in Danse	HPER	153	Sl	2	Daily 2:00	Fuller, P.	Arr	
Fld Wrk in Rec	HPER	157	Fl	Arr	Arranged	Hunsaker, H.	Arr	
Ldrship in Camp	HPER	176	Sl	3	Daily 1st 3 wks 2nd sess	Staff	Arr	
Ldrship in Soc Rec	HPER	193	Fl	3	Daily 8:40	Anderson	Arr	
Read and Conf	HPER	250	Fl	Arr	Arranged	Hunsaker, H.	Arr	
Res & Ev in PE	HPER	294	Fl	3	Daily 1:00	Nelson, D.	Arr	
Prob in PE	HPER	295	Fl	3	Daily 7:50	Hunsaker, H.	Arr	
PE Seminar	HPER	299	Sl	3	Daily 8:40	McClellan, L.	Arr	
<u>HISTORY & POLITICAL SCIENCE</u>								
<u>History</u>								
Americas to 1763	Hist	21	Fl	3	Daily 1:00	Peterson, E.L.	M80	
Americas Since 1763	Hist	22	Sl	3	Daily 11:00	Peterson, E.L.	M80	
19th Century Europe	Hist	127	Fl	3	Daily 8:40	Brite, J.D.	M281	
Hist of Far East	Hist	176	Fl	3	Daily 9:50	Brite, J.D.	M281	
Thesis	Hist	211	Bl	Arr	Arranged	Staff	Arr	
Read & Conf	Hist	239	Bl	Arr	Arranged	Staff	Arr	
<u>Political Science</u>								
Comp Eur Govt	PS	70	Sl	3	Daily 8:40	Anderson, W.B.	M353	
Amer For Pol	PS	101	Fl	3	Daily 7:30	Harmon, M.J.	M353	
Inter Pol Rel	PS	102	Sl	3	Daily 9:50	Anderson, W.B.	M353	
Pol Prties & Prac Pol	PS	125	Fl	3	Daily 9:50	Harmon, M.J.	M353	
Public Admr	PS	129	Fl	3	Daily 8:40	Bowen, D.	M353	
Lecture Series	PS	170	B	1	Arranged	Arranged	M Aud	
Readings & Conf	PS	203	Bl	Arr	Arranged	Staff	Arr	
Thesis	PS	211	Bl	Arr	Arranged	Staff	Arr	
<u>Social Science</u>								
Gen Geog - Europe	Soc Sci	5	Sl	3	Daily 8:40	Peterson, E.L.	M80	
Gen Geog - Afro-Asia	Soc Sci	6	Fl	3	Daily 7:30	Peterson, E.L.	M80	
<u>HOME ECONOMICS EDUCATION</u>								
Unit Meth Clb Cen	HE ED	196	Fl	3	D 1-3:10	Staff	C114	
Spec Prob in HE Ed	HE ED	199	Bl	1-2	Arranged	Harder, V.	C207	
Res Masters Thesis	HE ED	210	Bl	Arr	Arranged	Harder, V.	C207	
Cur Dev in Hs Ed	HE ED	217	Fl	3	Daily 1	Harder, V.	C207	
<u>INDUSTRIAL & TECHNICAL EDUCATION</u>								
Driver Training	I&TE	13	F2	2	D 2:10-4:20	Slaugh, O.	T7	
Driver Training	I&TE	13	S3	2	D 2:10-4:20	Slaugh, O.	T7	
The General Shop	I&TE	111	Sl	3	Daily 8:40	Halles, C.W.	MA219	
Driver Ed & Traf Sfty	I&TE	113	F2	3	Daily 2:10	Willey, L.	T7	
Driver Ed & Traf Sfty	I&TE	113	S3	3	Daily 2:10	Slaugh, O.	T7	
Driver Ed & Traf Sfty	I&TE	113	1	2	7:30-4:30	Willey, L.	T37	
Driv Train Thrs Wkshp	I&TE	114	1	2	June 9-13 7:30-4:30	Slaugh, O.	T7	
Hist of Ind Educ	I&TE	124	Fl	3	June 9-13 Daily 7:30	Mortimer, W.E.	M110	

Course Title	Dept.	Course			Time	Instructor	Location	X T
		Number	Section	Credit				
Foundry Prin & Prac	I&TE	144	Sl	2	D 9:50-12	Hailes, C.W.	MA222	
Spec Problems in IE	I&TE	167	Fl	Arr	Arranged	Mortimer, W.E.	MA104	
Spec Problems in IE	I&TE	167	S2	Arr	Arranged	Mortimer, W.E.	MA104	
Mod Trends in Woodwork	I&TE	176	Fl	3	D 2:10-4:30	Penny, F.L.	MA158	
Ind Arts for Elem Sch	I&TE	180	Fl	3	D 7:30-9:50	Hailes, C.W.	MA222	
Trends in IE	I&TE	181	Fl	3	Daily 8:40	Penny, F.L.	MA219	
Ornamental Iron Work	I&TE	184	Fl	2	D 9:50-10:50 & 1-2	Hailes, C.W.	MA166	
Admin-Supv of IE	I&TE	251	Sl	3	Daily 7:30	Mortimer, W.E.	MA219	
Readings & Conf	I&TE	267	Fl	Arr	Arranged	Mortimer, W.E.	MA104	
Readings & Conf	I&TE	267	S2	Arr	Arranged	Mortimer, W.E.	MA104	
Seminar in IE	I&TE	270	Fl	Arr	Daily 1	Mortimer, W.E.	MA110	
Res Thesis Writ	I&TE	271	Fl	Arr	Arranged	Mortimer, W.E.	MA104	
Res Thesis Writ	I&TE	271	S2	Arr	Arranged	Mortimer, W.E.	MA104	
<u>IRRIGATION ENGINEERING (See Civil & Irr Engr)</u>								
<u>LANGUAGES</u>								
Meth Foreign Lang	Lang	145	Fl	3	Daily 7:30	Sundermeyer, W.	M363	
<u>French</u>								
Elem French	Lang	1	Fl	5	D 8:40 & 1:00	Staff	M361	
Sel Readings French	Lang	106	Fl	2	Arranged	Staff	M358	
French Grad Stud	Lang	115	Fl	3	Daily 2:10	Staff	M358	
Modern French Lit	Lang	138	Fl	3	Daily 9:50	Fife, A.E.	M363	
<u>LIBRARY SCIENCE</u>								
Reference Material	LS	50	Fl	3	Daily 7:30	Logan, I.M.	TJ6	
Adv Ref Biblio	LS	100	Fl	3	Daily 9:50	Logan, I.M.	TJ6	
Book Rep Binding	LS	113	Fl	2	Arranged	Staff	Arr	
Catalog Classif	LS	120	Fl	3	Daily 8:40	Ransom, V.	TJ6	
Library Admin	LS	150	Fl	3	Daily 1	Abrams, M.	TJ6	
Book Selection	LS	155	Fl	3	Daily 2:10	Abrams, M.	TJ6	
Art of the Book	LS	160	Fl	3	Daily 3:20	Ransom, V.	TJ6	
Readings Conf	LS	170	Fl	Arr	Arranged	Staff	Arr	
<u>MECHANICAL ENGINEERING</u>								
<u>Engineering Drawing</u>								
Engr Drawing	En Dr	61	Fl	3	Daily 1-4:20	Staff	M32	
Descript Geometry	En Dr	63	Fl	3	Daily 1-4:20	Staff	M32	
<u>MATHEMATICS</u>								
Elem Math Concepts	Math	20	Bl	5	D 8:40	Staff	E205	
Intro to Coll Alg	Math	34	Fl	3	Daily 8:40	Hammond, R.G.	E206	
Plane Trigonometry	Math	44	Sl	3	Daily 8:40	Hammond, R.G.	E206	
Analytical Geometry	Math	97	Bl	5	Daily 9:50	Hammond, R.G.	E206	
Differential E ₁	Math	122	Fl	3	Daily 7:30	Hammond, R.G.	E206	
<u>MUSIC - (See Fine Arts)</u>								
<u>PHYSICS</u>								
Intro Physics	Phyx	3	Fl	5	Daily 8:40	Staff	W108	
Mechanics	Phyx	20	Bl	5	Daily 7:30	Staff	W108	
Mechanics Lab	Phyx	20a	Bl		MW 1:00	Staff	W110	
Lit of Physics	Phyx	107	Fl	3	Daily 2:10	Staff	W108	
Demonstrations	Phyx	115	Sl	3	Daily 8:40	Staff	W108	
Sp Exp Prob	Phyx	188	Bl	Arr	Arranged	Staff	W105	
<u>PHOTOGRAPHY - (See English, Journalism & Photography)</u>								
<u>PHYSIOLOGY - (See Zoology)</u>								

Course Title	Dept.	Course			Time	Instructor	Location	X T
		Number	Section	Credit				
<u>POLITICAL SCIENCE - (See History)</u>								
<u>POULTRY INDUSTRY</u>								
Spec: Problems	Poult	125	Bl	Arr	Arranged	Staff	AH202	
Res Prob Poult Hus	Poult	210	Bl	Arr	Arranged	Staff	AH202	
<u>PSYCHOLOGY & GUIDANCE</u>								
Human Growth & Dev	PSY&G	100	Fl	3	Daily 1:00	Silvester, J.A.	M178	
Learn in Sec Sch	PSY&G	102	Fl	3	Daily 7:30	Stone, D.R.	M280	
Learn in Elem Sch	PSY&G	108	Fl	3	Daily 8:40	Stone, D.R.	M280	
Appl. Stat Educ Psy	PSY&G	112	Fl	3	Daily 12	Wilson, P.	M280	
Psy Exceptional Child	PSY&G	123	Sl	3	Daily 9:50	Publicover, P.	EB29	
Mental Hygiene	PSY&G	145	Fl	3	Daily 12	Silvester, J.A.	M287	
Th Tech Counseling	PSY&G	183	Fl	3	Daily 9:50	Wright, W.	M280	
Adv Educ Psy HS	PSY&G	200	Sl	3	Daily 11	Stone, D.R.	M280	
Org & Adm of Guid	PSY&G	213	Sl	3	Daily 9:50	Wright, W.	M280	
Independent Read	PSY&G	214	Bl	2	Arranged	Staff	M175	
Res Mas Thesis	PSY&G	217	Bl	Arr	Arranged	Staff	M175	
Psychom of Guid	PSY&G	281	Fl	5	D 7:30-9:40	Wilson, P.	M359	
Indiv Diag Intell Test	PSY&G	282	Sl	5	D 7:30-9:40	Sharp, H.C.	M280	
<u>PUBLIC HEALTH - (See Bacteriology)</u>								
<u>RANGE MANAGEMENT</u>								
Range Practice	Range	98	Fl	2	Arranged	Staff	S Camp	
Range Problems	Range	195	Bl	Arr	Arranged	Staff	F306	
Range Thesis	Range	200	Bl	Arr	Arranged	Staff	F306	
<u>SEC SCIENCE - (See Business Administration)</u>								
<u>SOCIOLOGY & SOCIAL WORK</u>								
<u>Sociology</u>								
Educ for Marriage	SOC	120	Sl	3	Daily 7:30	Bowman, H.A.	M357	
Intro Soc	SOC	70	Fl	3	D 8:40-10:50	Fredrickson, C.	M356	
Rural Com Organ Lead	SOC	141	Fl	3	D 8:40-10:50	Niederfrank, E.J.	M354	
Lead & Group Prod	SOC	143	Fl	3	Daily 1:00	Reeder, W.W.	M357	
Prob Fam Life Ed	SOC	162	Fl	3	Daily 1:00	Dyer, D.	M353	
Marriage Counseling	SOC	163	Sl	3	D 1:00-2:00	Skidmore, C.J.	M357	
						Rutledge, A.L.		
Fam Mid & Later Years	SOC	164	Fl	3	Daily 9:50	Dyer, D.	M355	
Lead in Com Liv	SOC	175	Fl	3	Daily 7:30	Reeder, W.W.	M28a	
Research in Soc	SOC	201	Bl	Arr	Arranged	Staff	Arr	
Indep Read Soc	SOC	203	Bl	Arr	Arranged	Staff	Arr	
<u>Social Work</u>								
Mental Hygiene	SW	162	Sl	3	Daily 8:40	Skidmore, C.J.	M357	
<u>SOCIAL SCIENCE - (See History & Political Science)</u>								
<u>SPEECH</u>								
Dialect	Spch	16	Fl	3	Daily 1:00	Myers, C.J.	M203	X
Interm Pub Speaking	Spch	21	Fl	3	Daily 9:50	Hansen, B.F.	M204	X
Oral Interpretation	Spch	24	Fl	3	Daily 8:40	Myers, C.J.	M203	X
Elem Broadcasting	Spch	83	Fl	3	Daily 8:40	Hansen, B.F.	M204	X
Story Telling	Spch	118	Fl	3	Daily 9:50	Myers, C.J.	M203	X
Intro to Sp Correct	Spch	167	Sl	3	Daily 1:00	Newman, P.W.	M204	X
Adv Clin Practice	Spch	173	Sl	3	Arranged	Newman, P.W.	M204	X
Problems in Speech	Spch	190	Bl	Arr	Arranged	Staff	Arr	X
Sem in Speech	Spch	200	Bl	Arr	Arranged	Staff	Arr	X
Thesis	Spch	201	Bl	Arr	Arranged	Staff	Arr	X
Research Studies	Spch	290	Bl	Arr	Arranged	Staff	Arr	X
Spch Pathology I	Spch	169	Sl	3	Daily 2:00	Newman, P.W.	M204	X
<u>VOCATIONAL EDUCATION - (See Agricultural Education)</u>								

Course Title	Dept.	Course			Time	Instructor	Location	X T
		Number	Section	Credit				
<u>WOODWORK - (See Industrial & Technical Education)</u>								
<u>WILDLIFE MANAGEMENT</u>								
Wildlife Practice	WLM	99	Fl	2	Arranged	Staff	S Camp	
Wildlife Problems	WLM	170	Bl	Arr	Arranged	Staff	Arr	
Research and Thesis	WLM	270	Bl	Arr	Arranged	Staff	Arr	
<u>ZOOLOGY, ENTOMOLOGY & PHYSIOLOGY</u>								
<u>Zoology</u>								
Principles of Biology	Zool	1	Fl	5	D 7:30-9:40	Bahler, T.L.	M225	
Elements of Histology	Zool	128	Bl	5	T Th 1-5	Bahler, T.L.	M228	
Special Problems	Zool	201	Fl	Arr	Arranged	Staff	Arr	
		201	Bl	Arr	Arranged	Staff	Arr	
		201	Sl	Arr	Arranged	Staff	Arr	
Research and Thesis	Zool	240	Fl	Arr	Arranged	Staff	Arr	
		240	Sl	Arr	Arranged	Staff	Arr	
		240	Bl	Arr	Arranged	Staff	Arr	
<u>Entomology</u>								
Special Problems	Zool	210	Fl	Arr	Arranged	Staff	Arr	
		210	Sl	Arr	Arranged	Staff	Arr	
		210	Bl	Arr	Arranged	Staff	Arr	
Research and Thesis	Zool	250	Fl	Arr	Arranged	Staff	Arr	
		250	Sl	Arr	Arranged	Staff	Arr	
		250	Bl	Arr	Arranged	Staff	Arr	
<u>Physiology</u>								
General Physiology	Zool	4	Sl	5	D 7:30-9:40	Bahler, T.L.	P202	
Special Problems	Zool	200	Fl	Arr	Arranged	Staff	Arr	
		200	Sl	Arr	Arranged	Staff	Arr	
		200	Bl	Arr	Arranged	Staff	Arr	
Research and Thesis	Zool	260	Fl	Arr	Arranged	Staff	Arr	
		260	Sl	Arr	Arranged	Staff	Arr	
		260	Bl	Arr	Arranged	Staff	Arr	

111. **WATERCOLOR.** Various techniques in the contemporary use of water color media. 3 credits. Second session. *Grouage*
115. **FABRIC DESIGN AND ITS APPLICATION.** Projects in creating designs of character and beauty and applying them to suitable textiles in techniques of block print, stencil, hooked rug, freehand painting, creative embroidery, silkscreen printing or batik. Desirable prerequisites: Art 1 and 2. 3 credits. First session. *Larson*
116. **ADVANCED CERAMICS.** Emphasis is on design, decoration, and glazing. Creative methods of shaping and finishing pottery and ceramic sculpture in various types and styles. 3 credits. First session. *Cressey*
127. **OIL PAINTING.** A basic course for students beginning to paint in oils. 3 credits. Second session. *Thorpe*
- 153-154. **ART EDUCATION WORKSHOP.** This course is designed to give teachers a chance to explore the field of art experiences, to work with many types of art media, to explore background material and to develop a philosophy of art suited to the learning needs of the art program to the other subjects of the elementary curriculum and some time will be devoted to the place of research and methods of its use in art activities. This course is designed to give help to the regular classroom teacher. 5 credits. First three weeks of First session. (To be taught at Jordan High School, Sandy, Utah). *Reynolds, Staff*

Health, Physical Education and Recreation

Resident Summer Faculty: PROFESSOR H. B. Hunsaker, HEAD; ASSOCIATE PROFESSORS L. Downs, D. O. Nelson; ASSISTANT PROFESSORS P. Fuller, L. McClellan; INSTRUCTORS A. Mendini, H. D. Rasmussen, J. Pearce.

Visiting Faculty: Jackson Anderson.

Intercollegiate Athletics

DIRECTOR H. B. Hunsaker, HEAD BASKETBALL COACH C. Baker; HEAD FOOTBALL COACH E. Faunce; ASSISTANT FOOTBALL COACHES J. Nelson and R. Maughan; FRESHMAN COACH E. Sorenson; TRAINER G. Nelson, ADMINISTRATIVE ASSISTANT D. Gardner.

Visiting Faculty: Adolph Rupp, Dallas Ward.

Coaching School June 9 to 13

81. **RHYTHMS AND DRAMATIC GAMES:** Music for young children; its use in creative movement. Methods of presenting and developing rhythms are studied. 2 credits. Second session. *Fuller*

130. **TECHNIQUES IN PHYSICAL EDUCATION.** A professional course, designed to develop teaching techniques in wrestling, boxing, weight lifting, etc. 2 credits. Second session. *Rasmussen*
119. **HORSEMANSHIP.** A course designed to give the fundamentals of horsemanship. Course work includes care of horses and equipment, riding and control. 1 credit. *Staff*
132. **WATER SAFETY INSTRUCTORS COURSE.** Life Saving, Prerequisite: American Red Cross Senior Life Saving Certificate and permission of the instructor. Special attention is given methods of teaching swimming, diving, life-saving and use of small water crafts. Proper American Red Cross Certification is given students who pass the examination. 2 credits. First Session. *Nelson*
144. **WORKSHOP IN PHYSICAL EDUCATION.** A course dealing with objectives, curriculum and organization of the Physical Education program, with particular emphasis on Physical Fitness. Designed for Elementary, Jr. High, and High School teachers. 3 credits. First session. *Downs*
152. **OUT-OF-DOOR EDUCATION.** Training in camp techniques and camp leadership. Different types of camps and their organization, supervision, equipment and safety are considered. Several short hikes and an overnight camp are conducted during this course. 3 credits. First session. *Anderson*
153. **LEADERSHIP IN DANCE.** A class in dance leadership to meet needs of students who expect to teach social or square dancing in schools or churches. 2 credits. Second session. *Fuller*
157. **FIELD WORK IN RECREATION.** Designed to give practical experience in conducting recreational programs at playgrounds and campus under the supervision of the university recreation staff and the director of the program to which the individual is assigned. Students will be expected to plan and conduct programs in a variety of activities applying principles, methods and techniques gained in earlier work. Prerequisite: Consent of instructor. Credit arranged. First session. *Hunsaker*
176. **LEADERSHIP IN CAMPING.** Men and Women. Designed for Physical Education and Recreation leaders. Pre-camp training class in campcraft, camp cookery, first aid, safety, equipment and menu planning. Bus trip to "High country." Hiking, camping, fishing. (Lab. fee.) 3 credits. All day first three weeks of second session. *Staff*
193. **LEADERSHIP IN SOCIAL RECREATION.** A course designed to develop leadership in various recreational activities. 3 credits. First session. *Anderson*
250. **READING AND CONFERENCE.** Provides for individually directed study. Credit arranged. First session. *Hunsaker*
294. **RESEARCH AND EVALUATION IN PHYSICAL EDUCATION.** A course designed for teachers of Elementary, Jr. High and Senior High School Physical Educators. Major emphasis on research involved with testing in Physical Education. Interpretations and use of Physical Fitness tests, physical ability tests, physical educability tests, etc. 3 credits. First session. *Nelson*
295. **PROBLEMS IN PHYSICAL EDUCATION.** Seminar. Credit arranged. First session. *HUNSAKER*
299. **PHYSICAL EDUCATION SEMINAR.** 3 credits. Second session. *MCCLELLAN*

Library Science

Resident Summer Faculty: ASSOCIATE PROFESSOR M. C. Abrams, HEAD; INSTRUCTORS I. M. Logan, V. Ransom.

Library Science may be used as a teaching minor in connection with a major in Education. This course prepares the student for a library certificate as issued by the State Department of Public Instruction and for a position as school librarian on the elementary or secondary level. A teaching minor of not fewer than 18 credits must be selected from Library Science courses.

The courses required for an Elementary library certificate are English 24, L. S. 120, and L. S. 150; for a secondary library certificate: L. S. 120, L. S. 150., and L. S. 155.

From the following elective courses three hours may be used to satisfy the requirement of the Northwest Association of High and Secondary Schools. Education 161, 107; English 122, 123; Speech 118.

50. REFERENCE MATERIALS. Basic reference tools and an introduction to the library. 3 credits. First session. *Logan*

100. ADVANCED REFERENCE AND BIBLIOGRAPHY. Principal reference materials in the major subject fields. Methods of bibliography. Prerequisite: Library Science 50. 3 credits. First session. *Logan*

113. BOOK REPAIR AND BINDING. Limited to Library Science minors. 2 credits. First session. *Staff*

120. CATALOGING AND CLASSIFICATION. Dewey decimal system of arranging books in an orderly fashion and the methods of preparing a library card catalog. 3 credits. First session. *Ransom*

150. LIBRARY ADMINISTRATION. Procedures and techniques of library operation. 3 credits. First session. *Abrams*

155. BOOK SELECTION. The materials used and records required in ordering books. 3 credits. First session. *Abrams*

160. ART OF THE BOOK. The history of bookmaking, printing, and libraries. 3 credits. First session. *Ransom*

170. READINGS AND CONFERENCE. Limited to Library Science minors. Prerequisite: Instructor's consent. Credit arranged. Either session. *Staff*

Psychology

Resident Summer Faculty: ASSOCIATE PROFESSORS H. C. Sharp, D. R. Stone.

Visiting Faculty: A. J. Silvester, Parry Wilson.

100. HUMAN GROWTH AND DEVELOPMENT. A study of the developmental characteristics and processes of human physical and psychological development from birth to maturity. For prospective elementary and secondary teachers. 3 credits. First session. *Silvester*

102. EDUCATIONAL PSYCHOLOGY FOR SECONDARY TEACHERS. A professional course for prospective high school teachers intended to develop insight into conditions for effective learning, provisions for individual differences, and teaching junior and senior high students. Prerequisite: Psychology 53. 3 credits. First session. *Stone*

108. EDUCATIONAL PSYCHOLOGY FOR ELEMENTARY SCHOOL TEACHERS. A study from the point of view of psychological and research, of the aims and curriculum, how children learn, provisions for individual differences, and measurement of outcomes in the elementary school curriculum. Prerequisite: Psychology 53. 3 credits. First session. *Stone*
112. APPLICATION OF STATISTICS TO EDUCATION AND PSYCHOLOGY. Elementary study of statistical procedures used in handling test scores in schools and of the concepts needed to read current educational and psychological literature. 3 credits. First session. *Wilson*
123. PSYCHOLOGY OF EXCEPTIONAL CHILDREN. The development and behavior characteristics of exceptional children and of the education, home, management, social control, and psychological treatment suited to their needs. The groups included are the mentally deficient, physically handicapped, the gifted, and children having serious personality and conduct problems. 3 credits. Second session. *Publicover*
145. MENTAL HYGIENE. Designed for teachers and other workers in social occupations. Intended to promote understanding of emotional and social adjustment and as a basis for guiding children, adolescents and adults toward improved mental health. Prerequisite: Psychology 53. 3 credits. First session. *Silvester*
183. THEORY AND TECHNIQUES OF COUNSELING. Principles and techniques of counseling students on problems of curriculum planning and vocational choice, on problems of improving methods of study, and on problems of emotional and social adjustment will be studied. Application will be made also to administrative, supervisory, teaching, and other inter-personal relations situations. 3 credits. First session. *Wright*
200. ADVANCED EDUCATIONAL PSYCHOLOGY. Advanced study, from the point of view learning theory and experiments in psychology and education, of aims and curricula, conditions of effective learning, provisions for individual differences, and evaluation of achievements in both elementary and secondary schools. Intended especially for supervisors, principals, and teachers working toward graduate degrees. Thesis problems are suggested. Prerequisite: Psychology 102 or 108. 3 credits. Second session. *Stone*
213. ORGANIZATION AND ADMINISTRATION OF GUIDANCE. (See Education 213.)
214. INDEPENDENT READINGS IN PSYCHOLOGY. For students who cannot participate in the discussions in Psychology 115. This course provides opportunity for independent readings and conferences on topics selected by the student. Credit arranged. Either session. *Staff*
217. RESEARCH FOR MASTER'S THESIS IN PSYCHOLOGY. Credit arranged. Either session. *Staff*
281. PSYCHOMETRICS APPLIED TO GUIDANCE. For school counselors, personnel workers, social workers, and clinical psychologists. Consideration is given selection, evaluation, administration, interpretation and practical uses of tests of intelligence, aptitudes, interests, personality and quality of personal and social adjustment. Prerequisite: Psychology 53 and 112. For seniors or graduate students. 5 credits. First session. *Wilson*
282. INDIVIDUAL DIAGNOSTIC INTELLIGENCE TESTING. Theory and techniques of testing, including practice in the administration of (a) the Stanford-Binet and other individual tests especially suited to psychological examination of children, and (b) the Weschsler-Bellevue and related tests for use with adolescents and adults. Interpretation of test data. 5 credits. Second session. *Sharp*

College of Engineering

Departments offering Summer School classes: Civil and Irrigation Engineering; Electrical Engineering; Mechanical Engineering; Industrial and Technical Education.

Civil and Irrigation Engineering

Resident Summer Faculty: PROFESSOR C. H. Milligan, HEAD.

230. SPECIAL PROBLEM IN CIVIL, IRRIGATION OR DRAINAGE ENGINEERING. Independent study of chosen problem under the direction of a member of the department staff. The student is expected to develop his initiative in pursuing these problems. Formal typewritten reports are required. Prerequisite: Senior or Graduate standing. Credit arranged. Either session.

Staff

298. GRADUATE THESIS. Credit arranged. Either session.

Staff

Electrical Engineering

Resident Summer Faculty: PROFESSORS L. S. Cole, HEAD; C. Clark.

200. SPECIAL STUDIES IN ELECTRICAL ENGINEERING. Preparation of professional papers and reports, research and special problems. Open to senior Electrical Engineering students of high standing, or graduate students. Credit arranged. Either session.

Staff

298. GRADUATE THESIS. Credit arranged. Either session.

Staff

Industrial and Technical Education

Resident Summer Faculty: PROFESSOR W. E. Mortimer, HEAD; ASSOCIATE PROFESSOR O. Slaugh; ASSISTANT PROFESSORS C. W. Hailes, L. R. Willey.

Visiting Faculty: Forest L. Penny.

13. DRIVER TRAINING. For persons who desire to learn to drive an automobile correctly and safely. Traffic rules and regulations essential to sound driving; physical qualifications and tests of drivers, general mechanics, operations, and servicing of automobile; highway safety engineering; actual supervised training in dual control cars. 2 credits. Either session.

Slaugh, Willey

111. THE GENERAL SHOP. Comprehensive study of the types of "General Shops," their advantages and limitations; content and organization of subject matter, methods of teaching and shop plans. General Shop projects, shop plans and new trends in content and equipment are given special consideration. Prerequisite: I. E. 107. 3 credits. Second session.

Hailes

113. DRIVER EDUCATION AND TRAFFIC SAFETY. To acquaint prospective teachers and others with available instruction materials for driver education and the latest methods of presenting these materials in the classroom and on the road. Supervised practice is arranged for each student. Planned to meet the demands of teachers who are unable to attend the regular summer session. 2 credits. June 9-13. First Session *Willey*
113. DRIVER EDUCATION AND TRAFFIC SAFETY. To acquaint prospective teachers and others with available instruction materials for driver education and the latest methods of presenting these materials in the classroom and on the road. Supervised practice is arranged for each student. 3 credits. Either session. *Slaugh, Willey*
114. DRIVER TRAINING TEACHER'S WORKSHOP. An intensive one-week course for advanced instructors who plan to train driver-training teachers in the field. It is being conducted in cooperation with the American Automobile Association, and one of the top-ranking national authorities will direct it. Prerequisite: I. E. 113. 2 credits. June 9-13. First session. *Slaugh*
124. HISTORY OF INDUSTRIAL EDUCATION. Historical developments of Manual and Industrial Education from early leaders to the present. Emphasis is given to the influence that various leaders and movements, in both Europe and America, have had upon present-day objectives of industrial arts and vocational industrial education. 3 credits. First session. *Mortimer*
144. FOUNDRY PRINCIPLES AND PRACTICES. Principles and practices of basic foundry work. Castings are made using common non-ferrous metals, such as aluminum, copper, brass, and bronze. Two 3-hour labs. Second session. *Hailes*
167. SPECIAL PROBLEMS IN INDUSTRIAL EDUCATION. For qualified students majoring in Industrial Education who wish to do specialized work not covered by other courses. Credit arranged. Either session. *Mortimer*
176. MODERN TRENDS IN WOODWORK. Designed to present the most up-to-date practices and techniques in the woodworking industry. It will be especially helpful to Industrial Art teachers and others interested in modern trends in woodwork. Prerequisite: I.E. 63 or equivalent. 3 credits. First session. *Penny*
180. INDUSTRIAL ARTS FOR ELEMENTARY SCHOOLS. Objectives and theory of Industrial Arts in the elementary school. Suitable instructional content will be presented for each grade level and methods of teaching and organizing instructional materials will be carefully considered. Instruction is given on the use of tools and materials in the shop where projects suitable for the elementary school will be constructed from modern industrial materials. 3 credits. First session. *Hailes*
181. TRENDS IN INDUSTRIAL EDUCATION. A preview of industrial Education tomorrow; what industrial education will do. The evolution of educational and industrial thought; the source of materials to meet present day trends. 3 credits. First session. *Penny*
184. ORNAMENTAL IRON WORK. Designing and making of iron furnishings in harmony with modern design and techniques for both interior and exterior use. Wrought iron furniture, railings, etc., will be planned and constructed. Prerequisite: Basic course in Welding. 2 credits. First session. *Hailes*

267. **READING AND CONFERENCE.** Study in advanced problems in Industrial Education. Problems are selected with approval of the department head; investigation is made under direction of the major professor. Credit arranged. Either session. *Mortimer*

270. **SEMINAR IN INDUSTRIAL EDUCATION.** Gives opportunity for investigation and reporting of individual problems. 1 to 2 credits. First session. *Mortimer*

271. **RESEARCH AND THESIS WRITING.** Provides for individual work in thesis writing in Industrial Education. The thesis is written in accordance with standard thesis requirements and under the direction of the major professor. Credit arranged. Either session. *Mortimer*

251. **ADMINISTRATION AND SUPERVISION OF INDUSTRIAL EDUCATION.** The laws, regulations, and policies affecting Industrial Education programs; organization, supervision, and management necessary for successful operation of these programs. 3 credits. Second session. *Mortimer*

Three-Year Master's Program in Industrial Education

The Industrial and Technical Department offers the Master of Science Degree, which may be completed in a three-summer sequence. Here is a suggested list of courses to constitute the summer sequence. In general, it is desirable to follow this program. Changes may be made, however, with the approval of the major professor and department head, or with the permission of the supervisory committee, once it has been appointed. This is so the program can be flexible enough to meet individual needs.

First Summer:

Introduction to Research	Ed. 267	3
App. of Stat. to Educ. and Psy.	Psy. 112	3
The General Shop	I.E. 111	3
Phil. of Voc. Ed. and Prac. Arts	I.E. 207	3
Research and Thesis Writing	I.E. 271	1
Secondary School Curriculum	Ed. 215	3
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Second Summer:

History of Ind. Educ.	I.E. 124	3
Measurements in Ind. Educ.	I.E. 254	3
Research and Thesis Writing	I.E. 271	3
School Administration	E. 221	3
School Finance	Ed. 281	3
		<hr/> 15

Third Summer:

Administration and sup. of Industrial Ed.	I.E. 251	3
Seminar in Industrial Education	I.E. 270	2
Research and Thesis Writing	I.E. 271	5
Secondary School Administration	Ed. 236	3
Philosophy of Education	Ed. 202	3
		<hr/> 16

Mechanical Engineering

Resident Summer Faculty: ASSOCIATE PROFESSOR A. G. Loveless.

61. ENGINEERING DRAWING. The use of drafting instruments, graphic solutions, applied geometry, lettering, principles of shape description, sectioning and auxiliary views. 3 credits. First session. *Loveless*

63. DESCRIPTIVE GEOMETRY. Principal and auxiliary views, points, lines and planes, developments, intersections and warped surfaces. Engineering problems relating to cut and fill, mining, geology, and industrial design, are selected. Prerequisite: M.E. 61. One lecture, two labs. 3 credits. First session. *Loveless*

College of Forest, Range and Wildlife Management

Lewis M. Turner, Dean

Departments offering Summer School classes: Forest Management, Range Management, and Wildlife Management.

Forest Management

Resident Summer Faculty: PROFESSORS J. W. Floyd, HEAD, T. W. Daniel, L. M. Turner; ASSOCIATE PROFESSORS R. R. Moore, S. R. Tocher.

145. FOREST PROBLEMS. Individual study and/or research upon a selected forestry problem, approved by the instructor. 1 to 3 credits. *Staff*

210. FOREST PROBLEMS. Individual advanced study and research upon a selected forestry problem approved by the student's major professor. 2 to 10 credits. *Staff*

Range Management

Resident Summer Faculty: PROFESSORS L. A. Stoddart, HEAD, C. W. Cook, A. D. Smith; ASSISTANT PROFESSOR D. L. Goodwin.

195. RANGE PROBLEMS. Individual study of selected range management problems. Credit arranged. *Staff*

200. RANGE THESIS. Original research and study on a special problem pertaining to range management. Open to graduate students only. Credit arranged. *Staff*

Wildlife Management

Resident Summer Faculty: PROFESSORS W. F. Sigler, HEAD, G. H. Kelker; ASSOCIATE PROFESSOR A. W. Stokes, COLLABORATOR J. B. Low.

170. WILDLIFE PROBLEMS. Individual study and research upon a selected wildlife problem approved by the instructor. 1 to 3 credits. Either session. *Staff*

270. RESEARCH AND THESIS. A research problem chosen, the project outlined, and data collected, analyzed, and summarized, and thesis prepared by the student. 9 to 15 credits. Either session. *Staff*

Forestry Summer Camp

June 9 - July 25

Raymond R. Moore, Director

The College of Forest, Range and Wildlife Management owns or controls 3,000 acres of forest and range land approximately 25 miles from the campus within the Cache National Forest, where summer camp facilities are established. Eight weeks of field instruction is given at the Tony Grove Summer Camp and is required between the sophomore and junior year and is prerequisite to the technical courses of the junior and senior years.

There are four instruction courses offered at summer camp with a total of nine credits, and students in the College of Forest, Range and Wildlife Management are required to take all four courses. This summer camp opens Monday, June 9, and runs through July 25.

96. FOREST SURVEYING. Practical field problems in surveying methods commonly employed in forest, range and wildlife management. Lab. fee \$5.00. 3 credits. Summer Camp. *Daniel, Moore*

97. FOREST PRACTICE. Field studies in inventories, successional stages and growth of stands of trees. Study of forest soils and related land uses. Lab. fee \$5.00. 4 credits. Summer Camp. *Daniel, Moore, Turner*

98. RANGE PRACTICE. Field practice in the problems of range land analysis and correlation of land uses. Lab. fee \$5.00. 1 credit. Summer Camp. *Goodwin, Cook*

99. WILDLIFE PRACTICE. Integrated studies of wildlife population in relation to the other forms of life and to land uses. Lab. fee \$5.00. 1 credit. Summer Camp. *Kelker*

College of Home and Family Living

Una Vermillion, Acting Dean

Departments offering Summer School classes: Clothing, Textiles, and Related Arts; Family Living and Child Development; Foods and Nutrition; Home Economics Education.

Clothing, Textiles and Related Arts

Resident Summer Faculty: ASSOCIATE PROFESSOR F. Gilmore,
HEAD.

165. TAILORING. Application of techniques used in tailoring suits and coats. Prerequisites: CTRA 25. Recommended CTRA 125. 3 credits. First session. *Staff*

169. NEWER DEVELOPMENTS IN TEXTILES. For teachers and advanced students of Clothing and Textiles. Class includes a study of fibers, finishes, and materials being placed on the market; economic conditions affecting their production, and factors influencing choice and care of present-day materials. Prerequisite: Textiles 24 or equivalent. 3 credits. First session. *Staff*

210. RESEARCH FOR MASTER'S THESIS. Credit arranged. First session. *Gilmore*

Family Living and Child Development

Resident Summer Faculty: PROFESSOR D. C. Carter, HEAD;
ASSISTANT PROFESSOR D. Lewis.

Visiting Faculty: Henry Bowman.

67. CHILDREN IN THE FAMILY. To help students develop a philosophy of family living as desirable background for the child; understanding of reproduction; pre-natal care; fundamentals of growth and development, and a beginning concept of guidance. First session. *Lewis*

68. PRESCHOOL LABORATORY. Directed observation in the child development laboratory. Recommended to parallel C.D. 67. 2 credits. First session. *Carter*

100. HUMAN GROWTH AND DEVELOPMENT. Growth and development from birth to maturity. General behavior patterns characteristic of different levels of maturity; individual differences and needs. First session. *Carter*

155. PROBLEMS IN MARRIAGE AND FAMILY LIVING. A seminar to study current and emerging problems in marriage and family living, as they affect various family members. An opportunity to examine attitudes, relationships,

and practices, and to gain greater understanding of the dynamics of marriage and family life. Prerequisites: C.D. 67, Psych. 53, and Soc. 60. Second session, to July 11. 5 sessions arranged. *Bowman*

174. NURSERY SCHOOL METHODS. Must parallel C.D. 175. Readings in research in nursery schools. Collection of material for teacher-directed activities. Special consideration to understanding the needs of the individual nursery-school child, with emphasis on the study of one child and a continuing evaluation of guidance procedures. First session. *Lewis*

175. PRACTICE TEACHING IN THE NURSERY SCHOOL. An opportunity to apply principles of child guidance in the nursery school. For juniors and seniors who have had a substantial amount of professional course work, including C.D. 80. First session. Child development laboratory. *Lewis*

Foods and Nutrition

Resident Summer Faculty: PROFESSOR U. Vermillion, HEAD,
E. Wilcox; INSTRUCTOR M. Merkley.

146. FOOD TECHNOLOGY. Manufacture and preservation of food products and influence of these processes on physical, chemical, and nutritive value of foods. Prerequisites: Bacteriology 10, Foods 24. 2 Credits. Second session. *Merkley*

185. NUTRITION REFRESHER COURSE. A review of recent developments in the field of nutrition. Students are also required to participate in the Weight Control Conference which is on Wednesday 3-5 2½ credits. First session. *Wilcox*

WEIGHT CONTROL CONFERENCE — JUNE 18 - JULY 16. Planned for anyone, man or woman, who is interested in controlling his or her weight. A series of five weekly meetings will be held on Wednesdays at 3 p. m. with different leaders for each discussion period. The leaders will include members of the Foods and Nutrition staff, a medic, a dietitian, a physical therapist, and others.

Home Economics Education

Resident Summer Faculty: ASSISTANT PROFESSOR V. H. Harder, HEAD; INSTRUCTOR M. C. Merkley.

196. UNIT METHOD OF CLOTHING CONSTRUCTION. The techniques, skills and basic understandings necessary for successful class presentation of the speed method of clothing construction. Several projects will be constructed. Outside work will be required. 3 credits. First session. *Staff*

199. SPECIAL PROBLEMS IN HOME ECONOMICS EDUCATION. Independent study under direction of a problem in home economics education developed around individual needs of students. 1 to 2 credits. Either session. *Harder*

210. RESEARCH FOR MASTER'S THESIS. Credit arranged. Either session. *Harder*

217. CURRENT DEVELOPMENTS IN HOME ECONOMICS EDUCATION. A study of the newer developments in the field of homemaking at the secondary level. 3 credits. First session. *Harder*

Graduate Work in Home Economics Education

The College of Home and Family Living announces a composite graduate program designed to serve homemaking teachers and extension specialists in home economics. This program is planned to meet professional certification requirements for secondary homemaking teachers and may terminate in a Master's Degree. The program is flexible and provides opportunity to develop competencies in relation to individual needs.

The master's program will be administratively centered in Home Economics Education. However, direction of the individual research program will be guided by the professor in the specific area selected for research. It is desirable that a graduate committee be established during the first quarter of residence. This committee will thereafter approve the graduate study program and will work with the student on the thesis problem. (See the general catalog, School of Graduate Studies, for regulations pertaining to admission and candidacy for an advanced degree.)

The following courses are representative of the wide variety of University offerings available during this summer:

College of Home and Family Living:

- Child Development 155: Problems in Marriage and Family Living.
- Foods and Nutrition 146: Food Technology.
- Clothing, Textiles and Related Arts 169: Newer Developments in Textiles.
- Home Economics Education 196: Unit Method of Clothing Construction.
- Home Economics Education 210: Research Master's Thesis.

College Education:

- Education 189: Group Dynamics and Action Research.
- Education 202: Philosophy of Education.
- Education 209: Supervision of Student Teachers.
- Education 215: Secondary School Curriculum.
- Education 217: Junior High School (curriculum and teaching.)

College of Business and Social Sciences:

- Sociology 143: Leadership and Group Productiveness.
- Sociology 162: Instructional Problems in Family Life Education.
- Sociology 164: The Family, Middle and Later Years.

The basic plan for teachers features a three-summer program of residence on campus. Research work is conducted during the school year in on-going classroom situations. Extension service personnel may find one quarter on campus during each of three successive years more acceptable to their own situation. Research work in this program, however, could also be conducted in relation to their employment activities.

School of Graduate Study

Since the requirement for the master's degree is 45 credits, a qualified graduate student can readily arrange a program which will be completed in three summer sessions, particularly in the College of Education, where a wide variety of courses are offered. In the average program, the admission procedures and the appointment of a supervisory committee can be completed the first summer, and the balance of the program definitely outlined. The second summer would ordinarily be devoted to additional course work, and the last summer to the writing of the thesis, or in the Master of Education curriculum, to the completion of the course program. Transfer of credits from other institutions (maximum permitted, 9) shortens the program accordingly.

Summer School Special Events

Elementary Art Workshop, June 16- July 3, to be conducted at the Jordan Senior High School, Sandy, Utah*

This course is designed to give teachers a chance to explore the field of art experiences, to work with many types of art media, to explore background material and to develop a philosophy of art suited to the learning needs of the art program to the other subjects of the elementary curriculum. The workshop will give art instruction on the grade level in which the teachers instruct. Some of the areas to be covered are: Chart making — posters — murals — friezes — dioramas — maps — color theory and harmony. Also included will be as many crafts as time will permit, including, weaving, basketry, gift makin, flower and weed arrangements. Students register for FA-A 153 (for first time students) or FA-A 154 (second time students). 5 credits may be obtained by attending the workshop for the three weeks all day. 3 credits may be obtained by attending the workshop for the three weeks one-half day. Registration for this workshop will take place in the art room of the Jordan High School, Sandy, Utah, Saturday, June 14, 1958, 9 a. m. to 12 noon. Workshop conducted by H. Reuben Reynolds.

Summer School Steak Fry

One of the outstanding events of the Summer School is the annual steak fry held up Logan Canyon for all members of the Summer School studentbody.

Junior Red Cross Training Program, July 20-26

For the fourth summer, the Utah State Junior Red Cross Leadership Training program will have its headquarters at the University. The purpose of the program is to offer to 60 outstanding student leaders from Utah

*The elementary art workshop will be offered in Logan the summer of 1959.

secondary schools the opportunity to learn how Junior Red Cross can serve community needs, promote world understanding, prepare for first aid, water safety, and home nursing. If you are interested in five days of training and recreation, write to Mrs. Dorothea McLaughlin, Director, Junior Red Cross, The American Red Cross, 555 Foothill Drive, Salt Lake City, Utah.

Lecture Series

The annual 11 o'clock lecture series by the nations most outstanding educational leaders will be continued during the 1958 session. These lectures cover major aspects of our social, economic, religious and political life. Students may obtain one hour of credit by registering for Political Science No. 170. There is no charge for this lecture series.

Utah State Summer Music Clinic, June 23 - July 3

Max F. Dalby, Chairman

The Utah State Summer Music Clinic serves two functions. It offers to high school students the opportunity to broaden and deepen their musical understanding and experience under the instruction of expert teachers of local and national reputation. It offers music teachers, supervisors, and college students the opportunity to observe the instruction of high school students while pursuing advanced work in their respective fields. University credit may be earned for the Summer Music Clinic apart from, or in connection with the first session of Summer School.

A full schedule of concerts and recreational activities, as well as classes in arts and crafts, provides additional opportunities for those enrolled in the clinic.

Marriage Counseling Workshops

August 6-8 — August 11-15

C. Jay Skidmore, Chairman

Aaron L. Rutledge, Visiting Professor

Dr. Rutledge has had wide experience in general counseling, marriage counseling and psychotherapy. Presently he is the leader of a unique "team" approach in counseling and training at the Merrill-Palmer School of Detroit, Michigan. His warm and congenial personality and his professional skills enable him to work effectively and informally with supervisors, counselors, and law leaders.

Family Living Workshops

August 11-15

Needs of religious leaders and other community personnel will be given careful consideration helping them (1) to recognize and understand

family problems and marital conflict, (2) to develop skills in counseling, and (3) to use specialists through referral, (4) understand youth problems in preparing for marriage, (5) to assist youth to understand marriage problems.

Marriage Counseling Workshop for Professional Persons August 6-8

Problems of supervisors and marriage counselors will be shared and analyzed in group discussion. Concepts of diagnosis, personality theory, public relations, healing process, and evaluation are areas for study by the marriage counselors from private and public agencies participating in the workshop.

Utah Girls State, June 8-15

The purpose of this annual conference, under the direction of the American Legion Auxiliary, is to educate our young women in the duties, privileges, rights and responsibilities of American citizenship. Headquarters are in the Student Union Building. Faculty members cooperate in arrangements, give some of the lectures, and assist in recreational activities.

Management Institute Program First Annual Training Seminar for Management Groups

Eight seminars in management training for men and women in managerial work in business, and industry will be conducted during June, July, and August, one seminar each week, beginning June 11. Each one will be for a different group in a different area of management, ranging from the general manager to the line supervisor.

These are practical training courses for people in the field. Credit does not apply toward a degree.

Groups will be limited to about fifteen and the seminars will be held in the Faculty Lounge of the Student Union.

Outstanding leaders, all experts in their field, will conduct the seminars.

Pre-registration is required for a place in these seminars. A special fee is charged for each one.

A special certificate of completion will be granted to those completing a seminar.

Detailed information is contained in a special brochure which will be sent on request from the Management Institute Office, Utah State University.

Management Training Seminar Schedule		Hours
June 11.	Labor Union Leader's Seminar on Industrial Relations and Collective Bargaining	6
June 18.	Management Leaders Seminar on Industrial Relations and Collective Bargaining	6
June 23 to 26.	Workshop on Conference Leading and Group Development	24
June 30 to July 3.	Seminar on Foremanship and Supervision	24
July 7 to 10.	Workshop on Job Evaluation	24
July 14 to 17.	Seminar on Functions of Management	24
August 4 to 8.	Seminar on Management of the Engineering Function	30
August 11 to 15.	Seminar on Efficient Use of the Industrial Engineering Function	30

Ceramic Workshop, June 16 to July 18

Utah State University is exercising leadership in the promotion of ceramic arts throughout the Intermountain area. We are emphasizing the importance of ceramics as a valuable medium for creative expression. Our newly equipped ceramic lab with the latest potter's wheels and reduction methods will provide excellent opportunities for students to become technically trained ceramic artists. Professor David Cressey, trained at U.C.L.A. and one of the West's outstanding ceramic artists will conduct our Ceramic Workshop. There will be two sessions daily, one meeting in the morning and the other during the afternoon, in order to assist students with their scheduling of time. There will be a small lab fee to cover only the actual cost of clay, glazes and firing.

Second Annual Piano Workshop

Utah State University proudly presents its second annual Piano Workshop. Due to the success of last year's initial offering, the Piano Workshop will be offered twice during this summer school. June 23, 24, 25 and June 30, July 1 and 2. This course is designed specifically for teachers and advanced students. Course work will emphasize basic harmony, piano instructional methods, memorization, developing tone and technique, building repertoire, and a survey of teaching materials. This workshop will meet from 9:00 to 4:00 for the days listed. One hour credit. Fee \$13.00. Professor Irving Wassermann, prominent piano teacher, concert pianist, student of Edward Steuermann, and Anton von Webern, Professor of piano at Utah State University, will again conduct these piano workshops.

Summer Stock Theatre Workshop

For the first time Utah State University will conduct a summer stock program for students interested in plays and musical comedy. In addition to Professor Floyd Morgan, Vosco Call and Jack Byers, outstanding directors from the Intermountain area, and actors and dancers from New York and

Broadway will be on hand to provide a rich program. Plans now call for one musical comedy and several plays to be produced during the summer. A talent hunt throughout the intermountain states will be conducted to locate the outstanding high school students and graduates who can profit from a summer stock appearance. HIGH SCHOOL MUSIC AND DRAMA DIRECTORS ARE PARTICULARLY ENCOURAGED TO PARTICIPATE IN THIS PROGRAM.

Utah State Theatre Workshop

Utah State's Theatre Workshop is now in its eighth session. Plays presented in past summers include *Antigone*, *The Importance of Being Earnest*, *Thunder Rock*, *The Wingless Victory*, *The Lady's Not for Burning*, *Jane and Snow White*.

This summer Theatre Workshop participants will assist with the production of a musical comedy and summer stock plays.

Aggie Ranger Hike, July 21 to August 1

Arthur Mendini, Chairman

The annual summer school "Leadership in Camping Course" (Aggie Rangers) will take place the first two weeks of the second session. Course work will include camp preparation, packing, menu planning, first aid, organization of hikes, campfire programs, camp personnel, equipment, as well as instruction in recreational skills. A primitive area will be selected for a week long laboratory experience in outdoor living. Course is designed to give leadership experience to those interested in outdoor education. Number permitted to enroll is limited. Pre-registration is recommended.

Child Development Laboratory

Valera Holman, Head Teacher

The child development laboratory (nursery school) will be available to children of students in the first summer session, Monday through Friday, from 7:30 to 10:50 a. m. Enrollment is limited to normal children from two years and eight months to five years of age. Fees are \$7.50. To enable parents to make definite plans, children will be officially registered in the order their applications are received, accompanied by a deposit in the amount of \$2.50. As deposits are received, parents will be notified if their child has been registered, or placed on a list of alternates. Only deposits for children placed on the list of alternates, and who may not be enrolled later, will be returned. Additional information and application forms are available on request to Mrs. Valera Holman, head teacher, child development laboratory. USU, Logan, Utah.

First Annual Tool Engineering Seminar

Utah State University will conduct its first Tool Engineering Summer School Seminar, June 9 - 14, 1958.

The latest principles and practices in "Cost Estimating for the Tool

Engineers" and "Time Study Methods" will be presented in lecture and in laboratory procedures. These two courses will serve industry and the profession in a way which will bring to both, the latest techniques now in practice. Each course will be taught daily for one week. College credit can be made available for those who so desire. Registration fee for two courses \$50.00.

Television Education Conference

A special conference dealing with Television Education will be held during the week June 23-27. Both the technical and educational aspects of closed circuit TV will be studied and demonstrated. Program planning for school television productions will be considered. Individuals wishing to participate in this conference should address their inquiries to Dr. Gene S. Jacobsen, USU., Logan, Utah.

Demonstration School

A demonstration school will be conducted during the first session, June 16 to to July 18. Three classroom groups will be included: (1) a kindergarten group; (2) a group of first, second, and third grade children; and (3) a group of fourth, fifth, and sixth grade children. Students in curriculum and methods classes in the Summer School will have opportunity to observe in the demonstration school.

Parents desiring to have children enrolled in the school should send applications to Dr. Gene S. Jacobsen, Principal. Tuition fee is \$5.

School Building Program

During the entire five weeks of the first session, June 16 to July 18, a special workshop course dealing with school buildings programs will be held. Visiting professor is Mr. Harold Silverthorn, head of this division of work for the Gary, Indiana, school system. Mr. Fred M. Fowler, head of the school building planning division of the Utah State Department of Public Instruction will also cooperate.

Students may enroll for the complete course (Educ. 360) which meets two hours daily for five credits. School administrators or others who wish to attend for a briefer period are welcome to come during the time problems in which they are interested are being discussed. For further information and detailed schedules write to Dean, College of Education, Utah State University.

Junior High School Workshop

A special workshop dealing with the development of evaluative criteria for the junior high school will be held during the three-week period, June 9 to 27. Sponsors are the Utah Secondary School Principals' Association in connection with the Utah State Department of Public Instruction. Dr. I. I. Nelson of the University of Texas and Dr. J. Lloyd Trump of the Ford Foundation will be visiting consultants. Junior high school teachers and

administrators from the schools participating in the validation of the Utah Junior High School Evaluative Criteria will be the key participants. Others interested in the workshop should consult with Dr. Terrance Hatch, College of Education, or with Principal Sidney L. Wyatt, Wahlquist Junior High School, Ogden, Utah. Participants desiring credit for the workshop should enroll in Education 216, Evaluating the Junior High School.

Special Education

Heber C. Sharp, Chairman

Utah State University is offering specialized training for teachers in the areas of mentally handicapped and speech correction. Special demonstration schools will be conducted by visiting faculty to demonstrate methods and techniques to aid in the learning situation and to help both teacher and parent understand the problems of children with handicaps.

Visiting staff will include Mrs. Phyllis R. Publicover and Delilah Newell.

Demonstration School for Mentally Handicapped

A special demonstration class for the mentally handicapped will be conducted during the second session, July 21 to August 22. Students enrolled in Psychology 123, Psychology of Exceptional Children; or in Education 132, Curriculum for the Mentally Handicapped; or Speech 167, Introduction to Speech Correction, will have the opportunity to observe this class in action. A limited number of students may enroll for Student Teaching, Education 156.

Demonstration Activities with Speech Correction

Among the children classified as exceptional, the largest group are those children with speech handicaps. Every classroom teacher frequently encounters children who are unable to utter some sounds or whose verbal skills are impaired in various other ways. In order to help the teacher and parent to understand better these problems, a special demonstration class will be conducted at Utah State University. The purpose of this class is to provide a laboratory situation wherein both group and individual methods and techniques to aid children with speech handicaps will be demonstrated. A special course dealing with problems of the speech handicapped will parallel the demonstration school. Utah State University's speech program is designed to provide a practical approach for the teacher to help children who have the more commonly found speech handicaps. Inquiries should be directed to Drs. Heber C. Sharp or Parley Newman.

Coaching School, June 9 to 13

H. B. Hunsaker, Chairman

The thirty-second Annual Coaching School at Utah State University will be held from June 9 through June 13. Dallas Ward, Football Coach, University of Colorado will be featured as guest lecturer on football. Adolph

Rupp, Basketball Coach from the University of Kentucky will be the guest lecturer in basketball. Other special lecturers will include baseball and athletic conditioning.

Registration for the school carries one credit for each course for the week. (Limit 2 credits for Coaching School). There will be free golf privileges at the Logan Country Club for those enrolled in the Coaching School. Special activities include a canyon party and a Coaches' banquet. In addition, Coaches will find many other recreational activities in which to participate, including fishing in Utah's famed Logan Canyon.

If possible, reservations for enrollment in the Coaching School should be in before opening date, June 9.

YELLOWSTONE NATIONAL PARK — Another of the educational, as well as recreational excursions planned by the council, is a trip to Yellowstone. This trip consists of two days and two nights, one spent at Yellowstone. Bus transportation is arranged if the group is large enough.

BIRD REFUGE — One of the largest migratory bird refuges in the United States is located at Brigham City, 35 miles from Logan. Summer School students are taken on an interesting guided tour of the refuge.

In addition, there are ample facilities for swimming, bowling, tennis, golf and other activities.

Many theater productions, art exhibits, and musical programs are a regular feature of the Utah State Summer School. The University would appreciate being of service to you through its recreation council in planning your recreation program.

Second Annual National Rocky Mountain Invitational Art Exhibit

This exhibit will open May 25, 1958 and close June 30, 1958. It will feature the oils and water color paintings of the nations leading artists. The exhibit will be displayed in Utah State University's modern Union Building. There will be no charge for admission to this exhibit.

Workshop in Farm Mechanics, July 14 - July 18

A teacher-supervisor workshop in farm mechanics for supervisors and teachers of vocational agriculture will be held on the University campus. The program for the workshop will include: Farm Shopwork, Farm Buildings and Conveniences, Farm Power and Machinery, Rural Electrification, and Soil and Water Management. Mr. A. H. Hollenberg, Specialist in Farm Mechanics, U.S. Office of Education will conduct the workshop.

Young American Theatre for Talented Young Actors and Dancers

Utah State University opens wide the door of opportunity for talented young actors and dancers this summer. No longer is there any need for

promising teenagers to go to the east or west coast for summer stock experience. Gertrude Schurr, Mae O'Donnell, and their company of eight professional dancers will bring their New York City Dance Studio to Utah State University campus for five weeks beginning July 16. Many talented teenagers from New York City's famous School for the Performing Arts will take a scenic tour across the United States to study dancing at the Utah State University this summer. This new Summer School of Dance invites promising young dancers in this intermountain region to study with the finest teachers and stimulating classmates from New York City. Beginning intermediate, and advanced courses in dancing will be offered.

Talented young actors can gain summer stock experience at Utah State University this summer. *OUR TOWN* and a musical comedy will be produced along with other plays selected to serve the needs of the creative actors who enroll. There are excellent accommodations and adequate supervision. Student actors who have done well in high school drama productions should be encouraged to get professional training at Utah State University during this coming summer. They will receive practical stage experience in acting and staging plays. Drama coaches may register for credit. Talented young actors and dancers should write immediately for applications and audition appointments.

Second Annual Fine Arts Tour of Mexico

The second annual Fine Arts Tour of Mexico will leave Logan June 12 for a memorable 21-day tour of our fascinating neighboring country. The most modern Greyhound air-conditioned buses will promise a rapid and comfortable trip. Taos, Old Santa Fe, and Carlsbad Caverns will be visited enroute to Mexico. El Paso, Texas will be our entry city, and the tour will visit the most scenic and culturally interesting cities in Old Mexico beginning with Old Monterey. A memorable excursion will be taken over the picturesque mountains leading to the high plateau country where Mexico City is located. Side trips will be made to Puebla, and Chollula Valley. There will be five enjoyable days in Mexico City, the heart of Mexican culture, with its parks, markets, museums, and archaeological points of interest. Picturesque Taxco and beautiful Morelia will be visited in addition to Lake Patzcuaro with its famous butterfly boats. Guadalajara, Mexico's great manufacturing city, with its many crafts will be of interest; and the tour will return via the west coast by way of Mazatlan and Guamas. The tour will re-enter the United States at Nogales, Arizona and visit Grand Canyon before returning to Utah. Those interested in credit may register for 5 hours. Special readings, and projects will be assigned, making this tour a practical 3 week workshop.

Transportation, hotels, tickets, and many meals will be included at the low cost of only \$225. Write for informative brochures, and make your reservations for this tour through the Department of Fine Arts, Utah State University.

Recreation for All and All for Recreation at Utah State

H. B. Hunsaker, Chairman

Arthur Mendini, Director

Utah State has a Summer School Recreation Council composed of members from various departments and schools. This Council selects a Summer School Recreation Director who has the responsibility of planning a well-rounded Recreational program. It is hoped that the program will offer a variety of activities for large and small groups.

Several large group activities planned for the Summer School are:

HIKES — An annual hike is taken to the famous "Old Juniper Tree." All Summer School students are encouraged to take this hike, to the base of the "Old Juniper Tree." This tree is the oldest living Juniper tree in the world. Later the group gathers at the picnic ground near the start of the trail, for a picnic and camp-fire program.

LAWN SOCIAL — One of the first activities scheduled for Summer School students, is a get acquainted social. Games, dances, and refreshments are enjoyed by all students and faculty of the Summer School.

SQUARE DANCE — One of the most popular activities of the Recreation program is the outdoor square dances. These dances are held on the tennis courts. Numerous guest callers from the area are invited to call at these dances. Refreshments are served.

In addition, many small group activities are sponsored by the university. These include:

CANYON PICNICS — Logan Canyon offers many ideal picnic areas. Through the Summer School Recreation program, students are urged to take advantage of these areas. Many Canyon parties are planned for large or small groups. Equipment, games, and campfire programs are only a portion of the service which may be supplied by the recreation director.

Numerous trips to different points of interest near Logan are:

BRYCE AND ZION NATIONAL PARKS — At Bryce and Zion you will see countless rock formations, beautifully colored by nature. This trip is taken over a three day period (week-end).

Resident Faculty

- Chase, Daryl, BA, MA, PhD
President
- Abrams, Milton, BS, MS
Associate Professor of Library
Science, Librarian
- Allen, Bert V.
Instructor in Photography
Head of Photographic Service
- Allred, Keith Reid, BS, PhD
Assistant Professor of Agronomy
- Anderson, Wendell B., BS, MS, LLB
Associate Professor of Political
Science
- Bahler, Thomas L., BA, PhD
Associate Professor of Zoology
- Baker, H. Cecil, BS
Associate Professor of Physical
Education, Head Basketball Coach
- Beecher, Asa L.
Acting Registrar,
Veterans' Coordinator
- Bennett, James A., BS, MS, PhD
Professor of Animal Husbandry
Head, Department of Animal
Husbandry
- Beyers, John M., BA, MA
Assistant Professor of English and
Languages
- Blanch, George T., BS, MS, PhD
Professor of Agricultural Economics
Head, Department of Agricultural
Economics
- Blaser, LeRoy A., BS, MS, EdD
Director, Information Services and
University Development
Executive Secretary, Alumni
Association
- Borg, Walter R., BA, MA, PhD
Professor of Education
Director, Bureau of Educational
Research
- Brite, J. Duncan, BA, MA, PhD
Professor of History
- Broadbent, Dee A., BS, MS
Professor of Agricultural Economics
Business Manager and Treasurer
- Budge, Pearl S., BS, MS
Assistant Professor of Education
- Call, William Vosco, BS, MA
Assistant Professor of Fine Arts
- Cannon, Melvin C., BS, MS, PhD
Professor of Chemistry
Head, Department of Chemistry
- Cannon, Norman S., BS, MS, CPA,
PhD
Associate Professor of Business
Administration
- Carlisle, John C., BA, MS, EdD
Professor of Education
Head, Department of Education
Dean, College of Education
- Carter, Don C., BS, MSW, EdD
Professor of Family Living and
Child Development
Head, Department of Family Liv-
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June 16 - July 18

Demonstration School for the Exceptional Child
July 21 - August 22

School Building Workshop
June 16 - July 18

Annual Summer Music Festival & Clinic
June 23 - July 1

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