

University of Nevada

Reno

Summer
School

1964

*Nevada
Centennial
1964*



1964 SUMMER SCHOOL CALENDAR

(This calendar supersedes the 1964 Summer School calendar originally published in the University of Nevada Catalog for 1963-64)

- June 15, Monday.....8 a.m. Tests and orientation for entering freshmen, Room 101, Scrugham Engineering-Mines.
- June 16, Tuesday.....8:30 a.m. Registration for first 5-week session and for 10-week session.
Application for September 1 graduation to be filed with the Dean of the College within first 10 days; late fee applies thereafter.
- June 17, Wednesday.....7:30 a.m. Instruction begins.
Late registration fee applies.
- June 18, Thursday.....Late registration closes.
Last day to add classes; change from audit to credit; receive 75 percent refund.
- June 26, Friday.....Last day to drop classes; change from credit to audit; receive 50 percent refund; withdraw from University without a grade being recorded.
- July 1, Wednesday.....Final date for filing application for September 1 graduation; diploma fee due.
- July 4, Saturday.....Independence Day.
- July 21, Tuesday.....Final examinations. First 5-week session closes. Tests and orientation for entering freshmen, Thompson Education Building Auditorium.
- July 22, Wednesday.....8:30 a.m. Registration for second 5-week session.
- July 23, Thursday.....12 noon. Final grades due in Registrar's Office for first session. Instruction begins for second session.
Late registration fee applies.
- July 24, Friday.....Late registration closes.
Last day to add classes; change from audit to credit; receive 75 percent refund.
- July 31, Friday.....Last day to drop classes; change from credit to audit; receive 50 percent refund; withdraw from University without a grade being recorded.
- August 26, Wednesday.....Final examinations. Second 5-week session closes. Ten-week session closes.
- August 28, Friday.....12 noon. Final grades due in Registrar's Office.

Bulletin of the
University of Nevada



Summer
Session
for 1964
June 16 to August 26

Reno



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REGENTS OF THE UNIVERSITY

HON. FRED M. ANDERSON, M.D.	Reno
HON. GRANT DAVIS	Fallon
HON. RAYMOND GERMAIN	Las Vegas
HON. A. C. GRANT	Las Vegas
HON. PROCTER HUG, JR.	Reno
HON. HAROLD JACOBSEN	Carson City
HON. LOUIS E. LOMBARDI, M.D.	Reno
HON. MOLLY MAGEE	Austin
HON. JUANITA WHITE	Boulder City

ADMINISTRATIVE OFFICERS AND STAFF

- Charles J. Armstrong, Ph.D., LL.D., Litt.D., President.
 Kenneth E. Young, Ph.D., Executive Vice President.
 James T. Anderson, Ph.D., Dean of the College of Engineering.
 Samuel M. Basta, Ed.D., Dean of Students.
 Dale W. Bohmont, Ph.D., Dean of the Max C. Fleischmann College of Agriculture.
 Clarence E. Byrd, M.A., Registrar.
 William D. Carlson, Ph.D., Dean of Southern Regional Division.
 Alex D. Dandini, D.S.L., D.H.E., Ph.D., Marshal of the University.
 Jerry W. Dye, M.L.S., Librarian, Southern Regional Division.
 Marjorie J. Elmore, R.N., M.A., Dean, Orvis School of Nursing.
 James R. Hathhorn, M.S., Acting Dean of Men.
 David W. Heron, M.A., Director of Libraries.
 Marilyn J. Horn, Ph.D., Associate Director of Home Economics.
 Neil D. Humphrey, M.S., Business Manager.
 Ralph A. Irwin, Ph.D., Dean of the College of Arts and Science.
 J. Patrick Kelly, Ph.D., Dean of Statewide Services; Director, Summer School.
 Robert L. Kersey, B.S., Director of Auxiliary Enterprises.
 Harold L. Kirkpatrick, Ph.D., Assistant Dean, College of Arts and Science;
 Assistant to Director, Summer School.
 Robert P. Laxalt, B.A., Director of Publications; Editor, University Press.
 Daniel R. McLaughlin, Ph.D., Assistant Dean, Southern Regional Division.
 Elaine Mobley, M.A., Dean of Women.
 Dallas W. Norton, M.Ed., Deputy Director of Admissions, Southern Regional Division.
 Thomas D. O'Brien, Ph.D., Dean of the Graduate School.
 Muriel Parks, M.A., Deputy Registrar, Southern Regional Division.
 Donald G. Potter, Ed.D., Director of Audio-Visual Communications.
 William E. Rasmussen, M.Ed., Director of Graduate Placement and Financial Aids.
 Kenneth R. Robbins, B.A., Editorial Assistant, Publications and News Service;
 Director of Alumni Relations.
 James D. Rogers, B.S., University Engineer.
 Vernon E. Scheid, Ph.D., Dean of the Mackay School of Mines.
 Charles H. Seufferle, Ph.D., Assistant Dean, Max C. Fleischmann College of Agriculture.
 Jack H. Shirley, Ed.D., Director of Admissions and Deputy Registrar.
 Robert C. Weems, Jr., Ph.D., Dean of the College of Business Administration.

What You Should Know About the University

The main campus of the University of Nevada is located on a hill overlooking the verdant Truckee Meadows in the city of Reno, famous the world over as "The Biggest Little City in the World." No longer is Reno the little city it was when this epithet was first coined. Reno is now a modern and growing community of over 60,000 residents, and the nearby city of Sparks recently passed the 20,000 mark.

At an altitude of over a mile above sea level, summer days in Reno are warm with afternoon breezes blowing from the snowcapped Sierra Nevada. The nights are cool and crisp, making the Reno area an ideal location for summer study.

Less than an hour south of Reno over a paved highway is the famous frontier town of Virginia City, home of the *Territorial Enterprise*, one of Mark Twain's journalistic publications. A few miles beyond Virginia City, through the ghost towns of Gold Hill and Silver City, lies the Nevada state capital at Carson City. The Capitol Building and the Nevada State Museum, with its unique mine, make an interesting tour. Just north of Reno is located Stead Air Force Base with its multimillion dollar SAGE installation, and 60 miles to the east is the agriculture center of the city of Fallon and the Fallon Naval Air Station.

One would be hard pressed to find a more ideal location for accessibility to scenic and recreational centers than Reno. Pyramid Lake, located on the Paiute Indian Reservation but open to visitors, and Walker Lake near Hawthorne, Nevada, with new camping and boating facilities, lie within a few hours to the east of Reno. To the west, beside transcontinental Highway 40, is Donner Lake and Donner State Park, site of an encampment of the ill-fated Donner party. Only a few miles beyond Carson City, and accessible over several paved highways, is the 6,220-foot-high Lake Tahoe. Like a sapphire-blue gem, world-famous Lake Tahoe nestles high in the pineclad forests of the Sierra, and is ringed by summer homes, youth camps, and lively resort towns. Facilities are available for picnics, overnight and weekend camping, hotel living, and all water sports. Between Reno and Lake Tahoe is Squaw Valley, scene of the 1960 Winter Olympics.

Known as a tourist center of entertainment and recreation, Reno makes an ideal setting in which may be combined both pleasure and study.

SPECIAL ATTRACTIONS

The year 1964 marks the centennial for both the State of Nevada and the University of Nevada, created by the first State Constitution in 1864. A vast array of interesting and varied programs has been planned to celebrate this centennial year.

CAMPUS AND BUILDINGS

The main campus of the University of Nevada covers 160 acres with more than 35 buildings housing its classrooms, laboratories, libraries, theaters, museums, dormitories, and administrative offices. The new Scrugham Engineering-Mines Building and the new Life Sciences wing of the College of Agriculture Building are among the most spacious, modern, and well-equipped college structures in the West. Unique to the University of Nevada is the Desert Research Institute's recently-completed Atmospherium-Planetarium, where many interesting lectures and demonstrations will be held during the summer.

The new multimillion dollar Noble H. Getchell Library is one of the most unusual library structures in the country with its unique design. Opened only 2 years ago, the Getchell Library provides adequate space and comfort for summer study. The shaded sunken garden with fountains and reflecting pools provides an open-air place to study. The library contains approximately 190,000 volumes, over 1,600 periodicals, extensive collections in Nevada history, the mineral sciences, and the special rare book collections in the Lester D. Summerfield room.

JOT TRAVIS STUDENT UNION

The student union provides a focal point for many out-of-class activities on the campus. During the winter of 1963-64 a new addition was completed to the student union doubling the floor area and facilities. The spacious dining room, jutting out over Manzanita Lake, offers a breathtaking view of the lake and the nearby Sierra. A cafeteria, soda fountain, card rooms, and several recreation and study lounges are all part of the union. Located in the same building are the Associated Students' Bookstore, the Student Infirmary, and the University station of the U.S. Post Office.

ACCREDITATION

The University of Nevada has been accredited by the Northwest Association of Secondary and Higher Schools continuously since 1938. In addition, the University is an active member in numerous national professional associations, including the American Council on Education, the Association of Land-grant Colleges and Universities, the National Association of State Universities, the American Association of Colleges for Teacher Education, and the National Council on Accreditation for Teacher Education (or National Commission on Accreditation of Teacher Education).

RECREATIONAL OPPORTUNITIES

INFORMAL RECREATION

The location of the University of Nevada campus is widely known both for its own beauty as well as for its proximity to dozens of recreational sites appealing to a wide variety of interests. Arrangements can be made through the Assistant Director of the Summer Session for

participation in organized or individual recreation. Facilities are available for all field and aquatic sports, for fishing, hunting, site and trail camping, mountain climbing, and for social and folk dancing, as well. Inquiries concerning informal tours and outings, ranging from a few hours to several days, should be made to the Assistant Director.

ORGANIZED RECREATION

Plans have been made for a number of group tours sponsored by the University of Nevada Summer Session. Chartered buses and reserved accommodations for overnight trips will make it possible for interested Summer Session students and their families to take advantage of some of the scenic and historical attractions in Northern Nevada and the nearby mountain counties of California. Where sufficient interest is indicated, tentative plans have been made for daytime tours of Virginia City, Carson City, Pyramid Lake, Lake Tahoe, and Squaw Valley. Overnight trips have been planned to Mt. Lassen Volcanic State Park, Mother Lode Country (California), and a circle tour of Lake Tahoe and lake resorts.

Both the city of Reno and the neighboring city of Sparks have organized municipal recreation programs during the summer months for persons of ages 6 to 90. Arrangements can be made for regular participation in the daytime activities of such programs by children dependents of adult students in the Summer Sessions. Normally no charge is made for such participation other than fees for swimming pool or craft materials.

Lists of recreational facilities in Washoe County with hours and costs, maps and descriptive materials, and further information concerning organized tours and outings may be had from the Office of the Director of Summer Sessions or from the Assistant Director.





General Information

Admission—Undergraduate

Formal admission and matriculation is not required of Summer School students taking undergraduate level courses; however, individuals who expect to qualify for a degree must be admitted prior to summer registration.

In general, registration for the Summer School is accepted from:

1. Graduates of approved high schools.
2. Adults with ability to do scholastic work on the University level.

Registration for the Summer School does not imply admission to either of the regular semesters or matriculation to the University. For advisement purposes, transcripts of credit received in other educational institutions should be presented to the Director of Admissions at the time of advisement prior to registration.

Summer School students are governed by all regulations as stated in the University Catalog and pay fees in accordance with established University policy.

Admission—Graduate

Any student who wishes to do graduate work must first be admitted to the University of Nevada. Each applicant for graduate standing is responsible for filing the required credentials with the Office of Admissions, Reno, not later than 3 weeks prior to the desired registration period; a graduate special applicant may apply for admission at either Reno or Las Vegas.

Credits

Students may earn a maximum of 1 credit per week in the Summer Session for a total of 10 credits in the two 5-week sessions.

Degrees Offered

Besides offering the bachelor's degree, the University of Nevada offers graduate courses leading to the advanced degrees in master of arts (M.A.), master of science (M.S.), master of education (M.Ed.), and doctor of philosophy (Ph.D.). Details of these programs are available upon request.

FEES

Registration—per credit.....	\$15.00
Student Union—per session.....	1.00
Private Music Instruction—per credit.....	75.00
Late Registration—per day.....	5.00
Auditors—per credit.....	9.00
Occupancy double room and board (per week).....	25.25
Single occupancy of double room and board (per week).....	30.25
Diploma Fee	
Bachelors.....	8.00
Masters.....	15.00
Doctors.....	25.00

Auditors

A student may enroll as an auditor in any course provided he has the permission of the instructor. For changing from audit to credit, or credit to audit, consult the Summer Session calendar.

Change of Registration or Withdrawal From the University

To make any change in registration, add a course, drop a course, or withdraw from the University, the student must secure the proper form from the Registrar's Office, obtain the signature of each instructor, and the approval of the Director of the Summer School and the dean of the college (when required). The form must be returned without delay to the Registrar's Office by the student. The date of withdrawal shall be the date on which the completed form is filed.

Refunds

For refunds consult the calendar. No more than 75 percent in refunds will be made. Refunds do not apply to auditors, nor will a fee reduction be made for changing from credit to audit.

Transcripts

Upon the written request of a student in good standing and the payment of the proper fee, the Registrar's Office will issue a transcript of record to such student or to such person as he may authorize. A fee of \$1 must be paid in advance for one transcript. When two or more transcripts are requested at one time, each additional transcript is 50 cents.

Veterans' Benefits

To secure educational benefits, a veteran should write or apply in person to the nearest office of the Veterans Administration. On the University of Nevada campus, the Office of Student Affairs acts as coordinator for veterans' affairs.

Registration

Registration will be held in the new gymnasium on dates scheduled in the Summer Session calendar.

Entering Freshmen

Students entering for their first registration should report to the auditorium in Thompson Education Building on the dates scheduled in the Summer Session calendar for orientation and testing.

Room and Board

Men's and women's residence hall will be open to all students who are registered for the minimum number of credits for each session. The rooms are furnished, including bed linens and blankets.

Students who wish to reside in University residence halls are required to contract for room and board at a cost of \$25.25 per week. Meals are served in the new University Dining Commons, Monday through Saturday.

There are no single rooms. Those desiring to occupy double space alone will be charged an additional \$5 per week.

Application must be made on forms provided by the University of Nevada, Mr. Robert Kersey, Director of Student Services, Jot Travis Student Union Building, Reno.

Students living off-campus may arrange to secure meals at the University Dining Commons.

Applications

The residence hall contract may be secured from the Office of Student Affairs. The contract must be accompanied by a deposit of \$25.25. The unpaid balance for the session is due and payable not later than the 3rd day after registration. Checks are to be made payable to the Board of Regents, University of Nevada.

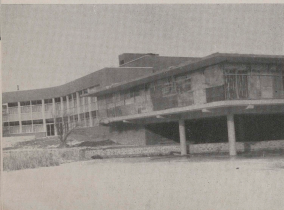
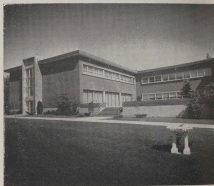
Refunds

If withdrawal is made during the first third of a session, refund of one-half the room rent will be made; after that time, no room refund may be made. Four-fifths of all unexpended Dining Commons fees will be refunded at any time of withdrawal from the University.

Family Accommodations

Family accommodations may be available on the University campus in a new housing project for married students. A limited number of family accommodations may be listed with the Office of Student Services, 122 Jot Travis Student Union Building.

A limited number of rooms for married couples without children will be available in one of the women's residence halls at the board and room rates quoted above. Facilities are such that children cannot be accommodated.



Clinics, Workshops, Special Courses

ORVIS SCHOOL OF NURSING

Orvis School of Nursing, in cooperation with the American National Red Cross Western Area Nursing Services, is offering the following two noncredit courses:

Care of Sick and Injured

June 8-June 12

A 30-hour course which will include personnel teaching, films, practice teaching. It will include the bathing of patient, fixing the bed, and emphasis will be placed on self-help of patient. This course is open to home economics teachers, nurses, and any leadership people capable of teaching.

0 cr. MTWThF 9 a.m.-4 p.m. Room 122 FA

Mary F. Benedict

Mother and Baby Care

June 15-June 19

A 30-hour course emphasizing self-help beginning with prenatal care and then the teaching of the bathing, feeding, and care of the baby. This course is open to expectant mothers, home economics teachers, and leadership people who are capable of teaching.

0 cr. MTWThF 9 a.m.-4 p.m. Room 122 FA

Mary F. Benedict

SPECIAL ELEMENTARY EDUCATION COURSES

325 and 521 Elementary School Science

July 8-July 21

This 2-week workshop in elementary science education will focus on aerospace developments and emphasize how such knowledge can be adapted to elementary school programs. Field trips will be conducted on the last 2 days to space installations. Staff personnel will be from NASA, CAP, USAF, and air lines.

2 cr. 9:10 MTWThF Room 207 TE

Reed

**429 Remedial Reading Workshop*

June 16-July 21

Emphasizes the diagnosis and correction of reading difficulties. Includes working with children in a laboratory setting under competent supervision.

3 cr. 12:30 MTWThF Room TBA

Staff

**433 Individualized Reading*

July 8-July 21

Especially designed for teachers who desire up-to-date information on organizing and conducting an individualized reading program in the elementary school. Activities will include examining research, preparing materials, and evaluating demonstrations.

2 cr. 9:10 MTWThF Room 208 TE and 209 TE

Butorac

**439a Art Education Workshop*

June 16-July 7

A 3-week art education workshop for elementary school teachers will be held by the College of Education. Emphasis will be given to the use of basic art media with children in a self-contained elementary classroom.

3 cr. 9-12 a.m. Room 208 TE and 209 TE

Butorac and Worley

532 *Education of the Gifted*

June 16–July 21

Students registered for this workshop will be given the opportunity to observe from 20 to 24 gifted children in action in a classroom under the direction of an experienced teacher in the field. In this clinical setting, credit will be given for the study of "Problems in the Education of the Gifted." Specific attention will be given to a consideration of educational programs and procedures to develop stimulating environments for the maximum development of gifted or superior children and youth. Dr. Melvin Dunn will again supervise this specific project.

3 cr. MTWThF 12:30–2 p.m. Room 103 TE

Dunn

SPECIAL SECONDARY EDUCATION COURSES

*443 *Programs and Practices in the
Secondary School*

June 16–July 21

Includes the subjects of schedules, study halls, activity periods, teacher load, teacher preparation, and certification and curriculum. Special attention will be given to curricular fields and to the growth and development of children in junior high school and/or senior high school. May be repeated for a total of 4 credits by permission of the instructor. (a) Curriculum. (b) Advanced methodology. (c) Counseling and guidance. (d) Diagnosis and remedial. (e) Evaluation. (f) Administration and supervision.

3 cr. MTWThF 9:10 a.m. Room 211 TE

Mortimer

457 *Supervised Teaching in the Secondary School* June 15–July 24

(Major and/or minor teaching field.) Provides opportunities in the senior year for teaching in a specific class situation in either junior or senior high school. Prerequisite: Foundations for Secondary Teaching I, II, III, completed, and IV completed or in progress or equivalent. Arrangements are made by the Supervisor of Student Teaching. (Application for supervised teaching should be made through the office of the Dean of the College of Education at least 3 months prior to the semester in which supervised teaching is to be done.)

1–8 cr. MTWThF 9–12 a.m. Room 227 MS

Miss Davis

548 *Problems in the Teaching of
Secondary Subjects*

June 16–July 21

Primarily for students who have completed undergraduate methods courses. Research projects will be required of each student in his field of special interest. May be repeated for a total of 6 credits. (a) Social studies. (b) English. (c) Science. (d) Mathematics. (e) Business education. (f) Foreign language.

2 cr. MTWThF 7:30 a.m. Room 211 TE

Mortimer

551 *Workshop in Counseling and Guidance*

July 27–August 21

For counselors currently certified and employed in the field of secondary education. Included will be topics identified from the experiences and needs of the students in the areas of counseling, testing, records, placement and follow-up, and staff relationships. Prerequisite: School counselor certification and experience; consent of the Counselor Educator.

4 cr. MTWThF 9–12 a.m. Room 215 MS

Tennyson

ELEVENTH ANNUAL COACHING SCHOOL AND CLINIC

June 15-19

Dr. Art Broten, Chairman of the Department of Health, Physical Education, and Recreation, will supervise the 11th Annual Coaching School and Clinic, June 15 through 19, with nationally-known coaches in football, basketball, and possibly other sports. This annual event has become one of the outstanding traditions of the University of Nevada. Between 150 and 200 coaches usually attend these exceptionally outstanding programs each summer.

Enrollments will be classed as Physical Education 498c at a fee of \$30 for all students, whether in a resident or nonresident classification.

The University of Nevada Coaching Clinic is offered primarily to extend technical knowledge of coaching techniques as proposed by outstanding national authorities.

Two credits are given for the 32 hours, as offered in the 1-week course. Such credits are filed with the Registrar as in any other course. No letter grade is given at the termination of the course, and the 2 credits may be used for salary increases, promotions, or other purposes so designated by the individual school districts, colleges, or universities.

Registration will be held in the Gymnasium on Monday, June 15, at 8 a.m. Sessions will be held mornings, afternoons, and evenings, Monday through Friday.

NSF SUMMER INSTITUTE FOR MATHEMATICS TEACHERS

June 15-July 24

The University of Nevada Summer Institute for teachers of mathematics in secondary schools is made possible by a grant from the National Science Foundation. Its broad objective is to provide for the participants an improved subject matter competence through a deeper understanding of the fundamental concepts of mathematics and through a more profound insight into the nature of mathematical thinking and the structure of mathematical theories. It is expressly designed to stimulate teachers of superior ability and initiative who then in their own institutions can furnish the leadership and direction necessary for the dissemination of good mathematics at the secondary level.

The NSF Institute starts June 15 and will continue for 6 weeks until July 24. The institute curriculum will consist of two sections of one 2-course sequence, Mathematics 361-362. The program of each participant will consist of this 2-course sequence. His section assignment will be made by the institute staff and will be based upon the grades in which he teaches and the nature of his formal training in mathematics. Each course offers 3 semester hours of credit.

The course content of the institute program is based upon the recommendations for the training of teachers of mathematics made by the Committee on the Undergraduate Program in Mathematics (CUPM) of the Mathematical Association of America.

THE NDEA SUMMER LANGUAGE INSTITUTE

June 15–August 7

With the support of the National Defense Education Act of 1958, the University of Nevada will again offer an 8-week summer institute for secondary school teachers of French. Sixty public and private school teachers will participate. The deadline for application to the institute was February 28.

The Director of the institute is Dr. Charles V. Wells, of the Department of Foreign Languages of the University of Nevada. The Assistant Director is Mr. Philip D. Smith, Jr. The instructional staff includes experts in foreign language teaching and native speakers from other institutions in the United States.

The objectives of the institute are to increase the proficiency of secondary school teachers in understanding, speaking, reading, and writing French, and to acquaint them with the newly developed methods in language pedagogy. Participants will be introduced to recent advances in general and applied linguistics, and will have the opportunity to increase their knowledge of French culture and civilization.

Classes are scheduled from 8 a.m. to 3 p.m. daily. Extensive use of the language laboratory will be required. Evening programs will consist of films and special lectures. The social activities planned will include weekend trips to Lake Tahoe, Pyramid Lake, Squaw Valley, Virginia City, and other points of interest in the Sierra Nevada.

A certificate of participation and a block of 8 credits will be awarded upon successful completion of the work of the institute. The granting of graduate credit is contingent upon admission to graduate standing at the University of Nevada.

Persons attending the institute will be housed in groups in residence halls on the University of Nevada campus and will take all meals together in the University Dining Commons. French will be spoken at all times.

CLINIC PRACTICE IN SPEECH CORRECTION

June 16–July 21

Speech 363–364, Supervised clinic experiences in the treatment and management of children and adults with speech defects. Prerequisite: Speech 259, 357, 359, 360, or consent of instructor. May be repeated as 363a or 364a.

Student clinicians may earn up to 2 credits at the regular \$15 per credit fee.

Dr. James C. Shanks, Jr., will conduct this demonstration clinic. Dr. Shanks is the Clinical Director of Speech Pathology Services at Indiana University Medical Center. He is a specialist for laryngectomized and cleft palate cases.

Children and adults of all ages with speech defects who wish to enroll in this 5-week clinic should contact Dr. Bernard Anderson at FA 3-2081, extension 488, before June 1, 1964. Applications will be mailed upon request. There will be a \$5 fee.

PROBLEMS IN INDIAN EDUCATION

June 16-July 21

The University of Nevada, in cooperation with the State Department of Education, will offer a 5-week seminar for teachers, administrators, supervisors, and counselors who are directly concerned with the instructional program of Indian children enrolled in Nevada schools.

The objects of the seminar are as follows:

1. Professional improvement of teachers, administrators, supervisors, counselors, who are directly or indirectly concerned with the instructional programs of Indian children enrolled in Nevada schools.

2. Improvement in the assimilation and adjustment of Indian children in the schools of Nevada.

3. Development of more effective counseling services for Indian children in elementary and secondary schools of the State.

4. Improvement in the scholastic achievement levels of Indian children.

5. The encouragement of special remedial courses for Indian and other students at the high school and university levels.

6. Development of an adult education program aimed at improving understanding between Indian and other parents, and their relationships with schools.

7. Improvement in Indian parent-school relationships.

8. Development of more effective teaching methods and procedures for Indian children enrolled in Nevada schools.

9. Provide teachers, administrators, supervisors, counselors, and parents with the necessary informational background which will be of value to them in their work with Indian children enrolled in their classes or schools.

10. Development of adequate scholarship and fellowship programs, involving subsistence stipends, for Indian students within the educational system of Nevada.

11. Improvement in the quality of education available to Indian children in the schools of Nevada.

The seminar will consist of five units designed to create a better and more knowledgeable understanding of the Paiute, Washoe, and Shoshone tribal groups. Emphasis will be placed on the following areas: Anthropological, historical, governmental, cultural similarities and dissimilarities, language arts, testing, and parent-school relationships; all

of which should prove of practical value to the teacher or administrator who works with Indian pupils.

The 5 units will consist of Elementary Education 439a, Sec. 2, Field Studies in Elementary Education for 3 credits and Elementary Education 528, Sec. 2, Individual Instruction in Elementary Education for 2 credits or Secondary Education 443a, Programs and Practices in the Secondary School, for 3 credits and Secondary Education 558a, Individual Instruction in Secondary Education, for 2 credits. These courses are all for graduate credit and will be taught Monday through Friday from 9 to 12 noon in room 228 Scrugham Engineering Mines Building.

Mr. C. H. Pohlman, Deputy State Superintendent, will coordinate the seminar.

CONSERVATION

**Geog. 338 Fundamentals and Teaching of Conservation*

June 17-June 30

Concentrated information on and solution of conservation problems. Methods of integrating conservation information with other subjects in elementary and secondary school curricula. Field trips to the Sierra. Lectures by state and federal conservation officials. Prerequisite: Permission of instructor.

2 cr. MTWThF 9-12 a.m. Room 215 MS

Wheeler

PROBLEM AREAS IN SCHOOL ADMINISTRATION

School Administration 586

June 22-July 3

Group work will be employed to select current problems pertaining to public school administration and to develop proposed solutions to such problems.

2 cr. MTWThF 9-12 a.m. Room 210 RBA

Staff

CHORAL CLINIC

**Music 449 Chorus Problems*

July 22-July 31

Demonstration and lecture on aspects of vocal technique and organization involved in directing high school and college choruses.

2 cr.

OR

**Music 447 Director's Workshop*

Designed to use band, choral, and orchestral groups for demonstration. Special attention to new repertoire, program planning, and supervised conducting. Individual conferences are scheduled with guest and resident faculty. May be repeated for a maximum of 3 credits.

1 cr.

AND

**Music 495 Independent Study*

Open to students specializing in music, with permission of the chairman of the department.

1 cr.

ORGANIZATION AND ADMINISTRATION OF PROGRAMMED INSTRUCTION

School Administration 588

July 22–August 4

This workshop is designed primarily for teachers and school officials. The purpose of the workshop is to acquaint individuals with the history of programmed instruction and teaching machines, to become familiar with the theory of learning underlying programming, to study the application of programmed instruction in schools, and to study criteria for evaluating programs. In addition, students will have an opportunity to examine a number of commercially published programs and to apply developed criteria in critically evaluating programs recently placed on the market.

The first few meetings will involve primarily lectures and demonstrations; as the class becomes familiar with the basic concepts in learning, emphasis will be placed almost entirely upon actual practice in reviewing programs and making critical evaluations of programmed units or courses of instruction.

The instructors for this course will be David L. Jessor, Director for the Nevada portion of the Western States Small Schools Project, who has made use of programmed instruction on an experimental basis in several small schools in Nevada; John R. Gamble, Assistant Superintendent for Instruction, Nevada Department of Education; and Dr. J. Clark Davis, Department of School Administration, University of Nevada.

2 cr. MTWThF 9–12 a.m. Room 210 RBA

EDUCATIONAL BOOK AND MATERIALS EXHIBITS

July 23 and 24

Book and professional magazine exhibitors have been invited to exhibit their respective publications on tables set up in the Card Area of the Jot Travis Union Building, July 23 and 24. The exhibit will display the latest publications and teaching materials, including audio-visual equipment for schools. An invitation is extended to all interested persons to examine these materials.

Mr. Jack Roberts of Scott Foresman, and Mr. Miles Cutler of Houghton Mifflin, will be on hand for interview or questions, from 8 a.m. to 3 p.m., on both days.

AUDIO-VISUAL EXHIBIT

July 23 and 24

The Audio-Visual Department of the University of Nevada will have open house from 8 a.m. to 3 p.m. for all interested people. The personnel of the Audio-Visual Department will be happy to escort people around and explain the different equipment and its use.

EIGHTH ANNUAL LAKE TAHOE MUSIC CAMP

August 2-15

Eighth annual Lake Tahoe Music Camp which has achieved nationwide stature in recent years will again offer instruction in two divisions: (1) junior and senior high school level, and (2) school music directors and teachers. Teachers may earn 1 or 2 hours of University graduate credit in courses organized as workshops and clinics.

Including instruction in all band and orchestra instruments and voice, a well-balanced program of musical and recreational activities is scheduled. An outstanding staff, comprised of guest conductors and artists, as well as University Music Department faculty, has been selected.

Special workshops or clinics for directors and teachers for the 1964 session include:

1. Casavant Precision Drill Workshop, August 3-7 and August 10-12, under the direction of the nationally recognized authority and author on precision drill.

2. Choral Directors Workshop, August 10-15, directed by noted conductors.

3. Band Directors Workshop, August 10-15, under the leadership of the several noted directors.

4. Woody Herman Clinic of the National Stage Band Camp will be a feature of a separate 2-week offering, August 16-22 and 23-29.

Located on the shores of Lake Tahoe at the University 4-H Club camp grounds, the Music Camp offers supervised recreational activities.

An illustrated brochure, and further information, may be secured by writing Dr. John L. Carrico, Department of Music, University of Nevada.

A. R. CASAVANT PRECISION DRILL WORKSHOP

at Reno, August 3-8 and August 10-12

Under A. R. Casavant of Chattanooga, Tennessee, recognized as the foremost author, innovator, and developer of precision drill and allied fields, the precision drill workshop is offered for both students and directors of bands, drum corps, and drill teams. In addition, a special event will be the 3-day workshop for drum majors and majorettes in the "Chattanooga Drum Major Style," including field conducting, hand signals, and leadership.

1 or 2 credits

Casavant-Carrico

NATIONAL STAGE BAND CAMP— WOODY HERMAN CLINIC

at Reno, August 16-22 and 23-29

In cooperation with Lake Tahoe Music Camp, the Reno campus will be one of three sites in the nation for the National Stage Band Camp.

A complete instructional schedule is offered including study of various dance rhythms, scoring, phrasing, improvisation, rehearsal procedures, and other topics.

Under the personal direction of Woody Herman, guest artists such as Terry Gibbs, vibraharp, and Art Van Damme, accordion, and composer-arrangers Russ Garcia and John Richards offer instruction. Music educators will observe the staff of 27 noted instructors, arrangers, composers, and professional performers.

1 or 2 credits

Herman-Carrico

NATIONAL GEOLOGY CONFERENCE

August 3-21

Geologists and professors of earth science from many American universities will be mingled among centennial tourists this coming summer. Sponsored by the National Science Foundation, Washington, D.C., "A Conference on the History of Geology for College Teachers," will be held at the Mackay School of Mines.

Staffed by leaders in the field of geologic instruction, the conference will stress the historical development of geologic concepts. It will bring to the Nevada campus 35 geology teachers from various U.S. universities.

The conference will be under the direction of Dr. Joseph Lintz, Jr., professor of geology and paleontology at the Mackay School of Mines. Objective of the meeting will be to attempt to improve the standard of geologic instruction by bringing to students a more humanistic approach to the science, based on the development of man's thinking in relation to his physical environment.

Topics to be covered will range from geologic concepts of antiquity through technological advances to a modern philosophical approach to the study. In addition to lectures and discussion periods on campus, conference participants will take field trips to view geologic features of the Sierra Nevada and basin and range provinces.

Staff members of the conference will include Dr. David B. Kitts, Department of Geology, University of Oklahoma; Edgar Owen, Department of Geology, University of Texas; Dr. Aurele La Rocque, Department of Geology, Ohio State University; and Dr. Robert T. Roelofs, Department of Philosophy, University of Nevada. There will also be additional lecturers.

SPECIAL HOME ECONOMICS COURSES

**Home Economics 400j Special Problems in Housing August 10-21*
Individual study of research in housing. (Permission of associate director and instructor)

2 cr. TBA Room 126 FHE

Nygren

Home Economics 500j Graduate Studies in Housing August 10-21
 Advanced study of problems and research in housing: segregation, slums; housing for the aged; housing costs and government participation; major housing needs and values and projected solutions with respect to form, type, and housing design.
 2 cr. MTWThF 9-12 a.m. Room 126 FHE Nygren

**Secondary Education 455 Home Economics August 17-21*
Vocational Education Conference
 In-service training in vocational education programs; agriculture, home economics, trades and industries, business and distributive education, counseling and guidance. Sponsored by the State and the University. May be repeated for a total of 6 credits by permission of the instructor. (a) First assignment. (b) Second assignment. (c) Third assignment. (d) Fourth assignment. (e) Fifth assignment. (f) Sixth assignment.
 1 cr. MTWThF 9 a.m.-4 p.m. Room 103 FHE Triple

COLLEGE DRIVER EDUCATION COURSES

**Sec.Ed. 358 Driver Education and Training August 10-21*
 Designed to train the high school teacher to teach a driver training course at the secondary level. Prerequisite: Permission of the instructor.
 2 cr. MTWThF 9-12 a.m. FAP Neyhart

P.E. 491 Safety Education August 10-21
 Survey of the principles and practices of safe school living; accident prevention, reporting and liability; correlation of safety education in curriculum.
 2 cr. MTWThF 1-4 p.m. Room 200 MSM Neyhart

TRANSPORTATION SUPERVISORS DRIVER TRAINING

August 14-15

The conservation of life and property through greater highway safety is the goal of the University of Nevada 1964 Supervisors Driver Training.

Supervisors of commercially and privately operated vehicle fleets in the State of Nevada and adjoining Sierra Nevada region will be invited to participate in this 2-day course. Those attending will return to their jobs with practical information concerning driver fatigue and its effect on performance, the main causes of traffic fatalities, and the growing costs of traffic accidents to the American public.

Assisting Dr. Amos Neyhart, world recognized authority on public safety and driver education, will be faculty members of the University of Nevada and practical experts from throughout the country. They will bring the benefits of many years of experience and research in the effects of driver fatigue, alcohol and driving, cause and prevention of traffic fatalities, the rising costs of traffic accidents, and modern seat belt safety. In addition to lecture periods with supplementary audio-visual materials, one morning will be devoted to practical demonstration.

There will be no registration fees and it will be open to men and

women engaged in all levels of supervision and management of motor fleet operation.

Dr. Harold L. Kirkpatrick, Assistant Summer School Director, is coordinator of the Driver Education and Safety Training.

9 a.m. Room 200 MSM

Neyhart

COLLEGE WORKSHOP IN GASOLINE AND DIESEL ENGINES FOR AGRICULTURAL WORKERS

Secondary Education 550 Workshop in Agricultural Education

August 11-15

An intensive study of a technical phase of agricultural education will be given. The workshop will deal in farm gasoline and diesel engines. The program is primarily to give advanced work in timing and carburetion, and special problems of adjustments of gasoline engines, and also to teach trouble shooting and the basic principles of diesel engines. All interested persons are invited to attend.

1 cr. MTWThF 8:30 a.m.-4:30 p.m. AM Building

Butler

**Secondary Education 455 Workshop in Vocational Education*

August 17-21

In-service training in vocational education programs; agriculture. Sponsored by the State and the University. Prerequisite: Permission of instructor. (a) First assignment. (b) Second assignment. (c) Third assignment. (d) Fourth assignment. (e) Fifth assignment. (f) Sixth assignment.

1 cr. MTWThF 8 a.m.-4 p.m. Room 212 RBA

Christensen

DISTRIBUTIVE EDUCATION TRANSPORTATION AND WAREHOUSING WORKSHOP

**Secondary Education 455*

August 17-21

This workshop, sponsored in cooperation with the Vocational Education Division, State Department of Education, is designed for distributive education teacher-coordinators to enrich their teaching of the marketing functions of transportation and warehousing. Topics to be covered will include: state and federal regulations; household goods and storage; terminal operation; transportation service selling; personnel selection, requirements, and opportunities; and warehousing and the free port laws. Specialists from the transportation and warehousing industries will serve as consultants and leaders.

1 cr. MTWThF 9 a.m.-4 p.m. Room 227 MS

Heley

VOCATIONAL TRADE AND INDUSTRIAL EDUCATION WORKSHOP

**Secondary Education 455 Workshop in Vocational Education*

August 17-21

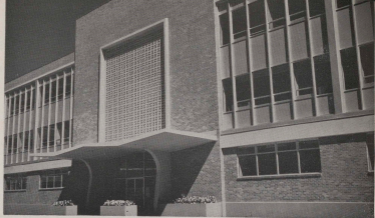
Dr. William E. Mortimer, Professor and Head of Industrial and Technical Education, Utah State University, Logan, Utah, will be the conference leader for the Trade and Industrial Education Workshop.

The theme of the conference will be "Meeting Employment Needs Through Trade and Industrial Education."

Enrollment in the workshop will be limited to vocational day and evening school teachers in trade and industrial, practical nursing, and technical education.

1 cr. TBA

Mortimer



Courses Offered

KEY TO COURSE LISTINGS

*Courses that may be taken for graduate credit.

**Courses that may be taken for graduate credit only by student not in the department offering the course.

FIRST 5-WEEK SESSION—June 16–July 21

COLLEGE OF AGRICULTURE

AGRICULTURAL BIOCHEMISTRY, Dr. Ralph A. Young, Chairman

497 SPECIAL PROBLEMS 1-3 TBA Staff 121 FA

Directed study of a problem in the field of agricultural chemistry. Prerequisite: Ag.Ch. 301, 450, or Chem. 271; Chem. 235 or 333.

597 SPECIAL PROBLEMS 1-3 TBA Staff 121 FA

Directed study of a problem in the field of agricultural chemistry. Prerequisite: Ag.Ch. 301, 450 or Chem. 271; Chem. 235 or 333.

AGRICULTURAL ECONOMICS, Dr. Glen Fulcher, Chairman

471-72 CURRENT ECONOMIC PROBLEMS 2 cr. MTWThF TBA Staff
OF AGRICULTURE

Study of a special problem in agricultural economics, using approved research techniques. Prerequisite: Ag.Ec. 212 or Ec. 202.

580 AGRICULTURAL ECONOMICS RESEARCH 1-3 TBA Staff

Scientific inquiry in an agricultural economics project. Consent of instructor required.

591 THESIS 1-6 TBA Staff

AGRICULTURAL MECHANICS

495 SPECIAL PROBLEMS 1-3 TBA Staff TBA

An intensive study of special problems in the field of agricultural mechanics. (May be taken for a maximum of 3 credits. Limited to senior students.)

ANIMAL SCIENCE, Dr. Verle Bohman, Chairman

497 SPECIAL STUDY FOR ADVANCED 1-3 TBA Staff
UNDERGRADUATES

Independent research on some problem pertinent to animal science. Prerequisite: Senior standing with a grade-point average of 3.0.

551 GRADUATE PROBLEMS 1-3 TBA Staff

Special problems for graduate investigation and report. These courses may be repeated, but total credit will be limited to 6 hours. Prerequisite: Graduate standing and permission of the instructor.

591 THESIS 1-3 TBA Staff

SOIL SCIENCE, Dr. Ralph A. Young, Chairman

423 SOILS PROBLEM 2 cr. TBA Staff 315 FA

An intensive study of a special problem in the field of soils. Prerequisite: Senior standing.

523 SPECIAL PROBLEMS 1-2 TBA Staff 315 FA

An intensive study of a special problem in the field of soils. Prerequisite: Graduate standing.

591 THESIS 1-6 TBA Staff 315 FA

HOME ECONOMICS, Dr. Marilyn J. Horn, Director

500g GRADUATE STUDIES IN HOME ECONOMICS EDUCATION 3 cr. MTWThF 9:10 Tripple 203 FHE

Selection and construction of evaluation instruments; their use and interpretation in home economics programs. Prerequisite: 18 hours in home economics course work.

590 GRADUATE SEMINAR 2 cr. MTWThF 10:50 Horn 126 FHE

Philosophy of home economics; professional responsibilities and ethics; current trends. Presentation of thesis prospectus for criticism.

COLLEGE OF ARTS AND SCIENCE

ANTHROPOLOGY, Dr. Carl W. Backman, Chairman

102 GENERAL ANTHROPOLOGY: BIOLOGICAL 3 cr. MTWThF 7:30 Staff 213 RBA

Examination of human evolution, fossil man and race differences. (Anth. 101 not a prerequisite)

221 ARCHAEOLOGY OF NORTH AMERICA 3 cr. MTWThF 10:50 Staff 213 RBA

An archaeological survey of North American prehistory with emphasis on early man, influences from Middle America, and cultural sequences of the Western United States. Prerequisite: Anth. 101 and 102 or consent of instructor.

ART, Professor J. Craig Sheppard, Chairman

101 BEGINNING DRAWING 2 cr. MTWTh 8-10 F 8-12 Howard 203 CFA

A basic course designed to offer a disciplined foundation in drawing concepts based on visual observation.

105 DESIGN 2 cr. MTWTh 3-5 F 1-5 Howard 204 CFA

Fundamentals of design; elementary studies in space, form and color. Course designed to meet requirements of students majoring in home economics and as a prerequisite for Art 326 and 346 for students in the College of Education.

235 BEGINNING PAINTING 3 cr. MTThF 8-12 W 10-12 Kerr 202 CFA

An introduction to painting, primarily through the use of aqueous media. Prerequisite: Art 101-102; 103-104

363 SCULPTURE 3 cr. MTWTh 1-5 F 1-3 Bradford 7 CFA

An introduction to sculptural form through the use of plastic materials. Clay and plaster modeling. Moldmaking and casting.

375 CERAMICS 3 cr. MTWTh 8-12 F 8-10 Bradford 5 CFA
An introduction to the design and production of pottery and other ceramic products; the study of clay, clay bodies and glazes and their use in the ceramic arts.

BIOLOGY, Dr. Donald G. Cooney, Chairman

*351 BACTERIOLOGY 4 cr. MTWThF 7:30 Cooney 340 FA
Bacteria and related micro-organisms. Morphology, physiology, classification, economic and medical importance will be considered. Prerequisite: Bot. 103 or Zool. 103, 104.

BOTANY, Dr. Donald G. Cooney, Chairman

104 SURVEY OF THE PLANT KINGDOM 2 cr. MTWThF 12:30 Cooney 340 FA
The structure and life cycles of representative types of algae, fungi, mosses, ferns, gymnosperms and angiosperms.

ENGLISH, Dr. Robert M. Gorrell, Chairman

A ELEMENTARY COMPOSITION (3) cr. MTWThF 7:30 Hettich No. 1 FH

A review of precollege English offered by the Department of English through the Office of Statewide Services or during the Summer School as a fee course. Required of all students who are unable in placement examinations to demonstrate the proficiency in expression normally expected of high school graduates. The grade for the course will be SATISFACTORY OR FAIL.

NOTE: All entering students are required to take the placement test in English, except those transfer students presenting 6 or more acceptable semester credits in composition and rhetoric.

101 COMPOSITION AND RHETORIC 3 cr. MTWThF 9:10 Diamante No. 2 FH

A course in the reading and writing of English, with special attention to exposition. Prerequisite: A satisfactory score in the placement test.

NOTE: Placement test will be given June 16 at 7:30 p.m. You will be advised of the place at the time of registration.

271 INTRODUCTION TO SHAKESPEARE 2 cr. MTWThF 10:50 Hettich No. 1 FH

Shakespeare's principal plays read for their social interest and their literary excellence. Not intended for students selecting a field of concentration in English. Prerequisite: Engl. 101

385 DESCRIPTIVE GRAMMAR 2 cr. MTWThF 7:30 Woods No. 3 FH

An objective description of modern English usage, with a sketch of grammar as it is conventionally taught. Designed primarily for prospective teachers. Prerequisite: Engl. 281 or permission of department chairman.

*425 THE NOVEL IN ENGLISH 2 cr. MTWThF 10:50 Diamante No. 2 FH

The development of the novel in England and America, with emphasis on the modern novel. Prerequisite: Engl. 291 or permission of department chairman.

514 PROBLEMS IN MODERN GRAMMATICAL STUDY 3 cr. MTWThF 9:10 Woods No. 3 FH

Examination of important current grammatical descriptions, especially of English. May be repeated for a maximum of 6 credits.

FRENCH, Professor John Gottardi, Chairman

101 BEGINNING 5 cr. MTWThF 8-10; 11-12 Bertalot 213 FH
FRENCH

Essentials of grammar, reading and conversation.

HISTORY, Dr. Russell R. Elliott, Chairman

101 UNITED STATES 3 cr. MTWThF 9:10 Brauer 347 SEM
Survey of U.S. political, social, economic, diplomatic, and cultural development from colonial times to 1865. Includes examination of the United States Constitution and satisfies the U.S. Constitution requirement.

105 EUROPEAN 3 cr. MTWThF 12:30 Kirkpatrick 209 RBA
CIVILIZATION

Survey of the development of western civilization from the dawn of history to 1648.

217 NEVADA HISTORY 3 cr. MTWThF 9:10 Elliott 349 SEM
Nevada history from early exploration to the present. Includes examination of the Nevada Constitution, and satisfies the Nevada Constitution requirement.

312 THE WESTWARD MOVE- 2 cr. MTWThF 7:30 Elliott 349 SEM
MENT IN THE UNITED STATES

The westward movement of peoples from the Atlantic Coast and the influence of this movement upon United States history. Prerequisite: 6 units of history or consent of instructor.

*408 AMERICAN DIPLO- 3 cr. MTWThF 10:50 Brauer 347 SEM
MATIC HISTORY

The origins, character and consequences of American foreign policies from the Revolutionary War to the present. Prerequisites: 6 units of history, including 101 or the equivalent (fall semester), or 102 or the equivalent (spring semester).

*497 INDEPENDENT STUDY 1-3 TBA Staff

503 ADVANCED STUDIES IN HISTORY 1-3 TBA Staff
May be repeated to a maximum of 6 credits.

591 THESIS 1-6 TBA Staff

JOURNALISM, Professor A. L. Higginbotham, Chairman

301 PUBLIC RELATIONS 2 cr. MTWThF 10 Higginbotham 106 J
PRINCIPLES AND PRACTICES

Public relations in social welfare, business, education, government, industry, labor, politics, and civic organizations, with stress on journalistic media and methods of using them. Open to juniors and seniors in any college.

*468 THE SPECIAL 2 cr. MTWThF 11 Higginbotham 106 J
FEATURE ARTICLE

Study, writing and marketing of the special feature article for magazines and newspapers. Prerequisite: Jour. 221-222 or upperclass standing. (May be repeated once for credit)

MATHEMATICS, Dr. E. M. Beesley, Chairman

101 INTERMEDIATE 2 cr. MTWThF 10:50 Oakley 257 SEM
ALGEBRA

A second course in algebra for students who have had 1 year of algebra in high school. Prerequisite: 1 unit of high school algebra.

102 PLANE TRIGONOM- 2 cr. MTWThF 9:10 Pinkerton 344 SEM
ETRY

A study of the trigonometric functions, identities and the solution of triangles. Prerequisite: Plane geometry and Math. 101 or 1½ units of high school algebra.

107 INTRODUCTION TO 3 cr. MTWThF 7:30 Collison 257 SEM
COLLEGE MATHEMATICS

This course includes topics from algebra, geometry and trigonometry and is designed to prepare the student for Math. 161. A student whose current progress is unsatisfactory in the opinion of his instructor may be required to attend supervised study sessions. Prerequisite: A score in the 35th percentile or better in the qualifying examinations.

162 ANALYTIC GEOM- 3 cr. MTWThF 7:30 Pinkerton 344 SEM
ETRY AND CALCULUS II

A continuation of Math. 161. A student whose current progress is unsatisfactory in the opinion of his instructor may be required to attend supervised study sessions. Prerequisite: Math. 161.

163 INTRODUCTION TO 2 cr. MTWThF 10:50 Collison 344 SEM
PROBABILITY

Algebra of sets, probability in infinite sample spaces, counting techniques, random variables, binomial distribution. Prerequisite: A satisfactory score on the qualifying examination.

173 CONTEMPORARY 3 cr. MTWThF 9:10 Oakley 257 SEM
SCHOOL MATHEMATICS I

Mathematics needed by those teaching new-content mathematics courses at the elementary school level with emphasis on the structure of the real number system and its subsystems.

MUSIC, Dr. W. Keith Macy, Chairman

101 MUSIC FUNDAMEN- 2 cr. MTWThF 10:50 Goddard 104 CFA
TALS AND EAR TRAINING

Notation, terminology, intervals, and scales. Learning to read music. Designed to furnish a foundation for musicianship and is recommended for teachers in the public schools.

151-551 INDIVIDUAL PIANO LESSONS 1 cr. TBA Williams 121 CFA

153-553 INDIVIDUAL VOICE LESSONS 1 cr. TBA Macy 128 CFA

155-555 INDIVIDUAL BRASS LESSONS 1 cr. TBA Goddard 122 CFA

159-559 INDIVIDUAL STRING 1 cr. TBA Goddard 122 CFA
LESSONS

324 TEACHING OF ELEMENTARY MUSIC 2 cr. MTWThF 7:30 Goddard 104 CFA

For the elementary teachers who teach their own music. Methods of presenting rote songs to primary grades and note songs and singing games, listening to music, rhythmic expression or creative effort and the use of rhythm instruments. Prerequisite: Mus. 101 or equivalent. (Same as EEd. 324)

*414 CHORAL LITERATURE 2 cr. MTWThF 9:10 Macy 102 CFA

History and analysis of representative choral works from 1600 to the present.

510 CONTEMPORARY THEORY AND PRACTICE 3 cr. MTWThF 12:30 Williams 121 CFA

A study of advanced harmonic practice and contemporary analytical procedures concentrating on music since 1900. Prerequisite: Mus. 301-302, and consent of instructor.

PHILOSOPHY, Dr. Robert T. Roelofs, Chairman

101 INTRODUCTION TO PHILOSOPHY 3 cr. MTWThF 7:30 Roelofs 113 FH

A study of the basic problems and methods of philosophy together with the solutions proposed by various philosophers.

354 CONTEMPORARY PHILOSOPHY 3 cr. MTWThF 10:50 Roelofs 113 FH

A study of significant issues in 20th century thought, such as evolutionism, existentialism, pragmatism, and logical positivism. Prerequisite: Consent of instructor.

PHYSICAL EDUCATION, Dr. Ruth I. Russell, Chairman Women's Section

100 FOLK AND SQUARE DANCE 1 cr. MTWThF 10:50-11:40 Mowrer NG

100 BADMINTON 1 cr. MTWThF 11:55-12:45 Mowrer NG

328 PHYSICAL EDUCATION IN THE JUNIOR HIGH SCHOOLS 2 cr. MTWThF 9:10 Mowrer 23 NG

A survey of activities suitable for junior high school students. Program planning, organization and evaluation of the program for junior high school girls.

*451 ADAPTED PHYSICAL EDUCATION 3 cr. MTWThF 10:50 Russell 23 NG

Methods of administering physical examinations. Causes of faulty posture and the detection and correction of these faults. Adaptations of activities for the handicapped. Prerequisite: P.Ed. 290.

471 DIRECT-ING INDIVIDUAL AND DUAL ACTIVITIES 3 cr. MTWThF 7:30 Lab T 1-4 Russell, Mowrer 23 NG

A study of rules, techniques and coaching methods of archery, badminton, bowling, golf, tennis, and recreational games. Prerequisite: Knowledge and demonstrated skill in the above.

POLITICAL SCIENCE, Dr. Eleanore Bushnell, Chairman

231 WORLD POLITICS 3 cr. MTWThF 10:50 Chase 107 FA

Introduction to the study of international relations. Stresses the principles of a systematic approach to world politics. Prerequisite: P.Sc. 101, 102, or consent of the instructor.

305 THE AMERICAN 3 cr. MTWThF 10:50 Bushnell 231 FA
PRESIDENCY

Constitutional position of the President and development of presidential powers; recruitment and party leadership; functional requirements of executive leadership; presidential participation in legislation and adjudication. Prerequisite: P.Sc. 101-102, or 203, or consent of the instructor.

333 AMERICAN FOREIGN 3 cr. MTWThF 9:10 Chase 107 FA
POLICY

Environmental influences of United States policy; post-World War II problems; interests, principles, objectives, policies, and commitments of current policy. Prerequisite: P.Sc. 231, or consent of the instructor.

*497 INDEPENDENT STUDY 1-3 TBA Bushnell

591 THESIS 1-6 TBA Staff

PSYCHOLOGY, Dr. Paul F. Secord, Chairman

101 GENERAL 3 cr. MTWThF 9:10 McQueen 321 SEM
PSYCHOLOGY

An introductory course dealing with the principles of human behavior.

231 PSYCHOLOGY OF 2 cr. MTWThF 10:50 Nickels 313 SEM
ADOLESCENCE

Study of the characteristics prominent in the adolescent, with special emphasis upon applications to the work of the high school teacher. Prerequisite: Psy. 101

*311 PSYCHOLOGICAL TESTS 3 cr. MTWThF 9:10 Nickels 313 SEM
Theory, construction, use, and interpretation of standard tests. Prerequisite: Psy. 101.

**321 EDUCATIONAL 3 cr. MTWThF 7:30 McQueen 321 SEM
PSYCHOLOGY (Same as Ed. 321)

Educational applications of psychology to learning, discipline and social, emotional, and intellectual behavior. Some attention given to educational and psychological tests and measurements. Prerequisite: Psy. 101.

**441 ABNORMAL 3 cr. MTWThF 10:50 McClintic 321 SEM
PSYCHOLOGY

Psychology of abnormal behavior—primarily neurosis and psychosis—stressing symptomatology, etiology, dynamics, and problems in diagnosis. Consists of one 2-hour lecture per week and one afternoon (4 hours) per week spent at the Nevada State Hospital. Prerequisite: Psy. 101.

RUSSIAN, Professor John R. Gottardi, Chairman

101 BEGINNING 5 cr. MTWThF 8-10; 11-12 Macura 204 FH
RUSSIAN

A beginning course in fundamentals of grammar and pronunciation, with reading, oral drill and written practice.

SOCIOLOGY, Dr. Carl W. Backman, Chairman

101 PRINCIPLES OF 3 cr. MTWThF 9:10 Salisbury No. 1 FH
SOCIOLOGY

Sociological principles underlying the development, structure and function of culture, society, human groups, personality formation and social change.

102 SOCIAL PROBLEMS 3 cr. MTWThF 10:50 Salisbury No. 3 FH
Selected social problems, their causation and proposed solutions.

*499 SPECIAL PROBLEMS IN SOCIOLOGY 1-2 TBA Staff
May be repeated for a total of 4 credits.

501 INDIVIDUAL READING 1-5 TBA Staff
Supervised reading with regular conferences between student and instructor. May be repeated to a maximum of 6 credits. Prerequisite: Consent of the instructor and department chairman.

SPANISH, Professor John R. Gottardi, Chairman

203 SECOND YEAR SPANISH 3 cr. MTWThF 9-10; 11-12 Gottardi 217 FH

Readings from modern Spanish writers, review of grammar, conversation and composition. Laboratory practice recommended. Prerequisite: Span. 101-102 or 2 years of high school Spanish.

SPEECH AND DRAMA, Dr. Robert S. Griffin, Chairman

111-112 PUBLIC SPEAKING 2 cr. MTWThF 9:10 Griffin 139 CFA
The principles of effective public speaking studied and practiced through organized student discussion of contemporary controversial problems. Speech form and speech content are equally emphasized. Speech 111 is a prerequisite for Speech 112. (Not open to students who have had Speech 113-114)

NOTE: A second class in Public Speaking will start at 10:50 Griffin 139 CFA

259 PHONETICS 2 cr. MTWThF 7:30 Anderson 10 CFA
A practical course in the science of speech sounds, with emphasis on transcription of the International Phonetic Alphabet.

363-364 CLINIC PRACTICE IN SPEECH CORRECTION 1-2 cr. MTWThF TBA Shanks

Supervised clinic experience in the treatment and management of children and adults with speech defects. Prerequisite: Spch. 259, 357, 359, 360, or consent of instructor. May be repeated as 363a or 364a.

*459 SEMINAR IN CLINICAL PROCEDURE 2 cr. MTWThF TBA Shanks

This course is designed to provide advanced study in specialized areas of the field. Prerequisite: Consent of the instructor. May be repeated for a maximum of 4 credits.

*462 DISORDERS OF VOICE 2 cr. MTWThF TBA Staff
Cause and treatment of disorders of voice. Laryngoscopic techniques. Prerequisite: Spch. 359 or consent of instructor.

495-96-97-98 INDEPENDENT STUDY 1 cr. MTWThF TBA Shanks
Open to juniors and seniors specializing in speech and drama with permission of the instructor.

ZOOLOGY, Dr. Donald G. Cooney, Chairman

103 GENERAL ZOOLOGY 3 cr. MTWThF 7:30 Knoll 253 FA
An introductory course dealing with the general principles of animal biology.

COLLEGE OF BUSINESS ADMINISTRATION

ACCOUNTING, Professor James M. Hoyt, Chairman

101 ELEMENTARY 4 cr. MTWThF 12:30 Vietti 106 RBA
ACCOUNTING I

Accounting cycle, journalizing, posting, adjustments, statements, closing proprietorships.

203 INTERMEDIATE 3 cr. MTWThF 7:30 Smith 106 RBA
ACCOUNTING I

Theory and practice of accounting for cash, receivables, prepaid, and accrued items, fixed assets, intangible assets. Prerequisite: Accounting 102.

*494 SEMINAR IN ACCOUNTING 3 cr. TBA Staff

Student may study a specialized area of accounting under faculty direction. Prerequisite: Permission of instructor.

591 THESIS 1-6 cr. TBA Staff

BUSINESS ADMINISTRATION, Dr. R. C. Weems, Jr., Chairman

373 BUSINESS LAW I 3 cr. MTWThF 10:50 Greenwood 209 RBA

The nature, origin and philosophy of law and procedures. The law of contracts and agency.

ECONOMICS, Dr. Benjamin Wofford, Chairman

201 PRINCIPLES OF 3 cr. MTWThF 9:10 Staff 211 RBA
ECONOMICS I

An introduction to the study of the determination of levels of national income, employment and prices, and the basic causes of fluctuations of these levels. Prerequisite: Sophomore standing.

*301 COMPARATIVE ECONOMIC 3 cr. MTWThF TBA Staff
SYSTEMS

An analysis of the economic institutions of capitalism and other economic systems. Prerequisite: Ec. 202, 203, or permission of instructor.

*303 MONEY AND 3 cr. MTWThF 10:50 Plumley 212 RBA
BANKING

Nature and functions of money, functions and history of banks, Federal Reserve System; monetary theory and policy in relation to employment, growth, and price levels. Prerequisite: Ec. 202 or 203

MANAGEMENT, Dr. Frank Greenwood, Acting Chairman

352 INDUSTRIAL 3 cr. MTWThF 9:10 Greenwood 109 RBA
MANAGEMENT

Industrial organization and principles. Methods, processes, and equipment used in manufacturing. Comparison of production in various industries.

*490 MANAGEMENT RESEARCH 3 cr. MTWThF TBA Staff

Investigation of special problems in management. Prerequisite: Permission of instructor and senior standing.

573 PUBLIC SCHOOL FINANCE 2 cr. MTWThF 10:50 Davis 200 TE
Deals with such problems of business management as purchasing of supplies, budgeting and bonding for school purposes.

581 ADMINISTRATION AND CURRICULUM IMPROVEMENT 3 cr. MTWThF 9:10 Davis 200 TE

A course to clarify the role of the administrator in improving curriculum and instruction in the public schools.

584 ORGANIZATION AND ADMINISTRATION OF GUIDANCE SERVICES 2 cr. MTWThF 9:10 Whittemore 209 RBA

Treatment will be given the problems of organizing and administering guidance services in the public schools.

585 FIELD EXPERIENCES IN SCHOOL ADMINISTRATION 1-4 TBA Tucker 204 TE

A course designed to enable graduate students to observe, study and do research projects in the various areas of school administration in the public schools. May be repeated for a total of 4 credits by permission of the instructor.

588 INDIVIDUAL INSTRUCTION IN SCHOOL ADMINISTRATION 1-4 TBA Tucker 204 TE

Provides opportunity for graduate students to select, delimit and research a problem in school administration. May be repeated for a total of 4 credits by permission of the instructor.

596 PROFESSIONAL PAPER 2 cr. TBA Tucker 204 TE

Required of all graduate students who wish to complete the master of education degree program A. Details will be given by the student's adviser.

598 INDIVIDUAL INSTRUCTION IN ADULT AND TEACHER EDUCATION 1-4 TBA Tucker 204 TE

Selected basic problems related to teaching on the college or university level as well as in adult education programs. May be repeated for a total of 4 credits by permission of the instructor.

SECONDARY EDUCATION, Dr. Henry Knapp, Chairman

340 INTRODUCTION TO COUNSELING AND GUIDANCE 3 cr. MTWThF 9:10 Ward 202 TE

Philosophy, principles, procedures, and techniques. An overview of individual analysis; counseling, occupational, social, and personal information; placement; followup and evaluation. Prerequisite: Foundations for Secondary Teaching I and II or consent of instructor.

341 GENERAL PRINCIPLES, MATERIALS AND METHODS OF SECONDARY EDUCATION 3 cr. MTWThF 7:30 Miss Davis 209 TE

Basic orientation and preparation for supervised teaching. Required for admission to supervised teaching. Prerequisite: Foundations for Secondary Teaching I, II, or equivalent. Methods courses should be taken in the semester immediately preceding supervised teaching, or concurrently with supervised teaching.

*446 PROBLEMS IN AGRICULTURAL EDUCATION 2 cr. TBA Christensen

FFA chapter activities, leadership training; supervised farming programs and community agricultural surveys for program development.

*450 INDIVIDUAL ANALYSIS IN GUIDANCE PROGRAMS 2 cr. MTWThF 10:50 Jeffs 103 TE

Includes the uses and limitations of observations, ratings, initial interviews, autobiographies, standardized tests, simple statistics, and personal data for counseling in schools. Prerequisite: Psy. 101, EEd. 330 or S.Ed. 340, or permission of instructor.

546 SECONDARY EDUCATION CURRICULUM 2 cr. MTWThF 10:50 Ward 202 TE

Study and discussion of the development and improvement of curriculum practices, with special stress upon working out procedures that seem to be suited to this area.

553 COUNSELING TECHNIQUES IN SCHOOLS 3 cr. MTWThF 12:30 Bailey 202 TE

Techniques used in counseling normal individuals. Recognizing and referring pupils needing therapy. Demonstrations and practices on initial, counseling, occupational information, and closing interviews. Prerequisite: Psy. 101 and EEd. 330 or S.Ed. 340 or permission of instructor.

557 SUPERVISED PRACTICE IN COUNSELING 2 cr. MTWThF 7:30 Bailey 202 TE

Internship in counseling in schools. Directed observations and experience in interviewing, testing, counseling, using occupational information, educational or job placement. Recording and evaluation of actual interviews. Prerequisite: S.Ed. 340, 450, 553, or equivalent courses and permission of instructor. May be repeated for a total of 4 credits by permission of instructor.

558 INDIVIDUAL INSTRUCTION IN SECONDARY EDUCATION 1 cr. TBA Staff

Selected basic problem or problems related to the field of secondary education. May be repeated for a total of 4 credits by permission of the instructor.

596 PROFESSIONAL PAPER 2 cr. TBA Staff

Required of all graduate students who wish to complete the master of education degree program A. Details will be given by the student's adviser.

597 THESIS 1-6 TBA Staff

COLLEGE OF ENGINEERING

MECHANICAL ENGINEERING, Dr. George E. Sutton, Chairman

371 THERMODYNAMICS 3 cr. MTWThF 5 p.m. Manning 205 PE

Principles of engineering thermodynamics. A study of the first and second laws, entropy, ideal gases and power cycles. Prerequisite: Completion of physics requirements.

MACKAY SCHOOL OF MINES

GEOGRAPHY, Dr. E. Richard Larson, Chairman

103 PHYSICAL GEOGRAPHY 3-4 MTWThF 9:10 Kersten 207 MSM

Physical elements of geography. Earth and its representation. Nature and distribution of climate, landforms, natural vegetation, and soils. May be taken with or without laboratory.

*473 NEVADA AND 3 cr. MTWThF 10:50 Kersten 207 MSM
ADJACENT AREAS

Physical and human geography of the Great Basin, Sierra Nevada, Columbia Plateau, and Colorado Plateau regions in Nevada, California, Utah, and Idaho. Prerequisite: Geog. 103 or 106 or 109, or permission.

SECOND 5-WEEK SESSION—July 22–August 26

COLLEGE OF AGRICULTURE

AGRICULTURAL BIOCHEMISTRY, Dr. Ralph A. Young, Chairman

497 SPECIAL PROBLEMS 1-3 TBA Staff 121 FA

Directed study of a problem in the field of agricultural chemistry. Prerequisite: Ag.Ch. 301, 450, or Chem. 271; Chem. 235 or 333.

597 SPECIAL PROBLEMS 1-3 TBA Staff 121 FA

Directed study of a problem in the field of agricultural chemistry. Prerequisite: Ag.Ch. 301, 450, or Chem. 271; Chem. 235 or 333.

AGRICULTURAL ECONOMICS, Dr. Glen Fulcher, Chairman

471-472 CURRENT ECONOMIC 2 cr. MTWThF TBA Staff
PROBLEMS OF AGRICULTURE

Study of a special problem in agricultural economics, using approved research techniques. Prerequisite: Ag.Ec. 212 or Ec. 202.

580 AGRICULTURAL ECONOMICS RESEARCH 1-3 TBA Staff

Scientific inquiry in an agricultural economics project. Consent of instructor required.

591 THESIS 1-6 TBA Staff

AGRICULTURAL MECHANICS

495 SPECIAL PROBLEMS 1-3 TBA Staff

An intensive study of special problems in the field of agricultural mechanics. (May be taken for a maximum of 3 credits. Limited to senior students.)

ANIMAL SCIENCE, Dr. Verle Bohman, Chairman

497 SPECIAL STUDY FOR ADVANCED 1-3 TBA Staff
UNDERGRADUATES

Independent research on some problem pertinent to animal science. Prerequisite: Senior standing with a grade-point average of 3.0.

551 GRADUATE PROBLEMS 1-3 TBA Staff

Special problems for graduate investigation and report. These courses may be repeated, but total credit will be limited to 6 hours. Prerequisite: Graduate standing and permission of the instructor.

591 THESIS 1-3 TBA Staff

SOIL SCIENCE, Dr. Ralph A. Young, Chairman

423 SOILS PROBLEM 2 cr. TBA Staff 315 FA

An intensive study of a special problem in the field of soils. Prerequisite: Senior standing.

523 SPECIAL PROBLEMS 1-2 TBA Staff 315 FA

An intensive study of a special problem in the field of soils. Prerequisite: Graduate standing.

591 THESIS 1-6 TBA Staff 315 FA

COLLEGE OF ARTS AND SCIENCE

ANTHROPOLOGY, Dr. Carl W. Backman, Chairman

101 GENERAL ANTHRO- 3 cr. MTWThF 10:50 Staff 213 RBA
POLOGY: CULTURAL FACTORS

Origin and development of prehistoric cultures. Analysis of the nature of culture with emphasis on variations in cultural practices in contemporary primitive societies.

*359 INDIANS OF NORTH 3 cr. MTWThF 7:30 Staff 213 RBA
AMERICA

A descriptive survey of the culture areas and representative tribes of North America. Prerequisite: Anth. 101 and 102 or consent of instructor.

ART, Professor J. Craig Sheppard, Chairman

236 BEGINNING 3 cr. MTThF 8-12, W 10-12 Howard 139 CFA
PAINTING

An introduction to painting, primarily through the use of aqueous media. Prerequisite: Art 101-102, 103-104.

326 TEACHING OF 2 cr. MTThF 1-3, W 1-5 Howard 204 CFA
ELEMENTARY ART

(Same as EL.Ed. 326) Techniques of handling art media finger paint, clay, easel paint, chalk, water colors. Planned especially for students preparing to teach in the elementary schools. Prerequisite: Art 105 or equivalent.

376 CERAMICS 3 cr. MTThF 8-12, W 10-12 Bradford No. 5 CFA

An introduction to the design and production of pottery and other ceramic products; the study of clay, clay bodies, and glazes and their use in the ceramic arts.

ENGLISH, Dr. Robert M. Gorrell, Chairman

A ELEMENTARY (3) cr. MTWThF 9:10 Glendenning No. 1 FH
COMPOSITION

A review of precollege English offered by the Department of English through the Office of Statewide Services or during the Summer School as a fee course. Required of all students who are unable in placement examinations to demonstrate the proficiency in expression normally expected of high school graduates. The grade for the course will be SATISFACTORY OR FAIL.

NOTE: All entering students are required to take the placement test in English, except those transfer students presenting 6 or more acceptable semester credits in composition and rhetoric.

101 COMPOSITION AND 3 cr. MTWThF 9:10 Guerin No. 2 FH
RHETORIC

A course in the reading and writing of English, with special attention to exposition. Prerequisite: A satisfactory score in the placement test.

NOTE: Placement test will be given July 22 at 7:30 p.m. You will be advised of the place at time of registration.

102 COMPOSITION AND RHETORIC 3 cr. MTWThF 7:30 Morrison No. 1 FH

A continuation and extension of Engl. 101. Special attention is given to the investigative paper. Prerequisite: Engl. 101 or its equivalent.

NOTE: On the basis of performance in the placement examinations, students demonstrating superior training may be admitted to honors sections of Engl. 101, or to certain prescribed courses within the department, provided at least 6 credits of work in English are completed. On the recommendation of the department, students making outstanding records in Engl. 101 may be permitted to substitute for Engl. 102 certain prescribed courses within the department, provided at least 6 credits of work in English are completed.

Any student who receives a failure in a course which he has substituted for Engl. 101 or Engl. 102 will be required to register for Engl. 101 or Engl. 102 the following semester.

281 INTRODUCTION TO LANGUAGE 3 cr. MTWThF 10:50 Glendenning No. 1 FH

The nature and function of language, especially English, including an introduction to etymology, semantics, and linguistics. Prerequisite: Engl. 101-102.

*426 THE NOVEL IN ENGLISH 2 cr. MTWThF 9:10 Morrison No. 3 FH

The development of the novel in England and America, with emphasis on the modern novel. Prerequisite: Engl. 291 or permission of department chairman.

553 PROBLEMS IN CHAUCER 3 cr. MTWThF 12:30 Guerin No. 2 FH

Survey of Chaucer scholarship, study of the lesser known works, and individual problems. May be repeated for a maximum of 6 credits.

FRENCH, Professor John Gottardi, Chairman

102 BEGINNING FRENCH 5 cr. MTWThF 8-10; 11-12 Bertalot 213 FH

Essentials of grammar, reading, and conversation.

HISTORY, Dr. Russell R. Elliott, Chairman

102 UNITED STATES 3 cr. MTWThF 7:30 Smith 326 SEM

Survey of U.S. political, social, economic, diplomatic, and cultural development from 1865 to the present.

106 EUROPEAN CIVILIZATION 3 cr. MTWThF 12:30 Kirkpatrick 326 SEM

Survey of the development of western civilization in Europe from 1648 to the present.

314 WESTERN NORTH AMERICA 3 cr. MTWThF 7:30 Staff 349 SEM

The Far West; the Rocky Mountains and West Coast states; activities of the Spanish, Russians, British, and Americans on the Pacific Coast. Prerequisite: 6 units of history or consent of the instructor.

*412 U.S.: BIRTH OF THE REPUBLIC, 1763-89 3 cr. MTWThF 9:10 Smith 349 SEM

Imperial reorganization and colonial protest; the War for Independence; government under the Articles of Confederation; formation of the federal Constitution. Prerequisite: 6 units of history, including 101 or the equivalent.

- *498 INDEPENDENT STUDY 1-3 TBA Staff
 503 ADVANCED STUDIES IN HISTORY 1-3 TBA Staff
 May be repeated to a maximum of 6 credits.
 591 THESIS 1-6 TBA Staff

MATHEMATICS, Dr. E. Maurice Beesley, Chairman

- 161 ANALYTICAL GEOM- 3 cr. MTWThF 7:30 Collison 257 SEM
 ETRY AND CALCULUS I

A unified treatment of analytic geometry and calculus. A student whose current progress is unsatisfactory in the opinion of his instructor may be required to attend supervised study sessions. Prerequisite: A satisfactory score on the qualifying examination, or Math. 107 or equivalent. Those who have not completed a course in plane trigonometry must schedule Math. 102 concurrently with or preceding Math. 161.

- 174 CONTEMPORARY 3 cr. MTWThF 9:10 Oakley 257 SEM
 SCHOOL MATHEMATICS II

A continuation of Math. 173. Prerequisite: Math. 173.

- 261 ANALYTIC GEOM- 3 cr. MTWThF 7:30 Pinkerton 255A SEM
 ETRY AND CALCULUS IV

A continuation of Math. 162 and 164. Prerequisite: Math. 162 and 164.

MUSIC, Dr. W. Keith Macy, Chairman

- 105-405 UNIVERSITY CHAMBER 1 cr. TBA Hickman 124 CFA
 MUSIC ENSEMBLE

Performance of chamber music literature. Prerequisite: Membership in corresponding large group. For example, stage band members must audition and participate in marching and symphonic band.

- 121 MUSIC APPRECIATION 2 cr. MTWThF 7:30 Hickman 104 CFA
 Historical and cultural background of music. A general course in music appreciation open to all students. Representative works will be heard and analyzed.

- 151-551 INDIVIDUAL PIANO LESSONS 1 cr. TBA Williams 121 CFA

- 155-555 INDIVIDUAL BRASS LESSONS 1 cr. TBA Hickman 124 CFA

- 157-557 INDIVIDUAL WOODWIND 1 cr. TBA Hickman 124 CFA
 LESSONS

- 324 TEACHING OF 2 cr. MTWThF 9:10 Hickman 140 CFA
 ELEMENTARY MUSIC

For the elementary teachers who teach their own music. Methods of presenting rote songs to primary grades and note songs and singing games, listening to music, rhythmic expression or creative effort and the use of rhythm instruments. Prerequisite: Mus. 101 or equivalent. (Same as E.Ed. 324)

- *350 KEYBOARD 2 cr. MTWThF 10:50 Williams 102 CFA
 LITERATURE

A survey of literature for harpsichord, organ, and piano, with particular reference to the historical and musical characteristics of the works. Recordings and student performances will be utilized. Prerequisite: Functional keyboard reading ability.

*450 PIANO MATERIALS 2 cr. MTWThF 9:10 Williams 121 CFA
AND METHODS

The mechanics of piano teaching; technical and pedagogical literature, typical problems and solutions, the historical development of piano pedagogy.

PHILOSOPHY, Dr. Robert T. Roelofs, Chairman

103 SOCIAL IDEALS OF 2 cr. MTWThF 10:50 Armstrong 113 FH
WESTERN MAN

A discussion of the social and political ideals which have influenced the development of western man, and the significance of these ideals in contemporary society.

106 GENERAL LOGIC 3 cr. MTWThF 7:30 Armstrong 113 FH

A study of the methods of argument encountered in everyday life and in the sciences. Topics include classical logic, informal fallacies, elementary scientific method.

POLITICAL SCIENCE, Dr. Eleanore Bushnell, Chairman

207 AMERICAN NATIONAL 3 cr. MTWThF 9:10 Beall 231 FA
GOVERNMENT

Organization, working principles and functional processes of the national government of the United States. Prerequisite: P.Sc. 101-102 or consent of the instructor. (Satisfies the legislative requirements for the United States Constitution)

208 AMERICAN STATE AND 3 cr. MTWThF 9:10 Rusco 326 SEM
LOCAL GOVERNMENT

Organization, working principles, and functional processes of state and local governments in the United States. Prerequisite: P.Sc. 101-102 or consent of the instructor. (Satisfies the legislative requirements for the Nevada Constitution)

*309 PARTIES, PRESSURE 3 cr. MTWThF 10:50 Beall 231 FA
GROUPS, AND PUBLIC OPINION

The structure, role, and functioning of political parties, pressure groups, and public opinion in American politics and government—nation, state, and community. Prerequisite: P.Sc. 101-102, or 203 or 207, or consent of instructor.

591 THESIS 1-6 TBA Staff

PSYCHOLOGY, Dr. Paul F. Secord, Chairman

102 PSYCHOLOGY OF 2 cr. MTWThF 9:10 McClintic 321 SEM
PERSONAL AND SOCIAL ADJUSTMENT

Deals with personality adjustment in normal persons. Adjustment techniques and reactions to frustration and conflict in the context of various social groups are considered. Prerequisite: Psy. 101. Not open to those who have had Psy. 121 or 241.

*451 PSYCHOLOGICAL 3 cr. MTWThF 9:10 Nickels 107 FA
PRINCIPLES OF COUNSELING

Consideration of therapeutic techniques, with emphasis upon the client-centered approach. Some attention to tests, sound recordings, case materials, and other adjuncts to counseling. Prerequisite: Psy. 101 and consent of instructor.

512 INDIVIDUAL 3 cr. MTWThF 10:50 McClintic 321 SEM
TESTING

Training and practicum in the theory and administration of the Stanford-Binet and Wechsler-Bellevue intelligence tests. Prerequisite: Psy. 310 or Soc. 310, Psy. 311, graduate standing or consent of department chairman.

RUSSIAN, Professor John Gottardi, Chairman

102 BEGIN- 5 cr. MTWThF 8-10; 11-12 Macura 204 FH
NING RUSSIAN

A beginning course in fundamentals of grammar and pronunciation, with reading, oral drill, and written practice.

SOCIOLOGY, Dr. Carl W. Backman, Chairman

275 MARRIAGE AND 3 cr. MTWThF 10:50 Backman 202 TE
THE FAMILY

Designed to prepare the student for typical problems encountered in dating, courtship, marriage, and parenthood.

*366 CRIMINOLOGY 3 cr. MTWThF 9:10 Backman 202 TE

Major theories and research findings on the causes of delinquency and crime. Prerequisite: Soc. 101 or consent of instructor. Not open to those who have taken Soc. 352 for credit.

*499 SPECIAL PROBLEMS IN SOCIOLOGY 1-2 TBA Staff

May be repeated for a total of 4 credits.

501 INDIVIDUAL READING 1-5 TBA Staff

Supervised reading with regular conferences between student and instructor. May be repeated to a maximum of 6 credits. Prerequisite: Consent of the instructor and department chairman.

SPANISH, Professor John Gottardi, Chairman

204 SECOND 3 cr. MTWThF 9-10; 11-12 Kline 217 FH
YEAR SPANISH

Readings from modern Spanish writers, review of grammar, conversation, and composition. Laboratory practice recommended. Prerequisite: Span. 101-102 or 2 years of high school Spanish.

ZOOLOGY, Dr. Donald G. Cooney, Chairman

203 VERTEBRATE ZOOLOGY 3 cr. MTWThF 7:30 Knoll 253 FA

Biology of the vertebrates. Main emphasis will be on the land vertebrates—amphibians, reptiles, birds, and mammals. Prerequisite: Zool. 103.

COLLEGE OF BUSINESS ADMINISTRATION

ACCOUNTING, Professor James M. Hoyt, Chairman

102 ELEMENTARY 4 cr. MTWThF 12:30 Staff 106 RBA
ACCOUNTING II

Partnerships, corporations, stocks, bonds, investments, cost accounting, statement analysis. Prerequisite: Acc. 101.

204 INTERMEDIATE 3 cr. MTWThF 7:30 Staff 106 RBA
ACCOUNTING II

Current and fixed liabilities, stocks, retained income, capital surplus, reserves, correcting entries, single entry, statement analysis, source and application of funds. Prerequisite: Acc. 203.

*494 SEMINAR IN ACCOUNTING 3 cr. TBA Staff

Student may study a specialized area of accounting under faculty direction. Prerequisite: Permission of the instructor.

591 THESIS 1-6 TBA Staff

ECONOMICS, Dr. Benjamin Wofford, Chairman

202 PRINCIPLES OF 3 cr. MTWThF 9:10 Staff 211 RBA
ECONOMICS II

An introduction to the theory of relative prices, the allocation of productive resources among alternative uses in the production of national output, and its distribution. Prerequisite: Ec. 201.

261 STATISTICAL 4 cr. MTWThF 12:30 Wofford 211 RBA
METHODS

Analysis and interpretation of numerical data; descriptive statistics, sampling theory, estimation, hypothesis testing, correlation, time series, and index numbers. Prerequisite: Math. 120 or 161.

MANAGEMENT, Dr. Frank Greenwood, Acting Chairman

367 PERSONNEL 3 cr. MTWThF 9:10 Greenwood 109 RBA
MANAGEMENT

Objectives, functions, organization, and philosophy of industrial relations. Special emphasis on employment, training, and labor relations.

*490 MANAGEMENT RESEARCH 3 cr. TBA Staff

Investigation of special problems in management. Prerequisite: Permission of instructor and senior standing.

552 ADVANCED 3 cr. MTWTh 6:30 p.m. Greenwood 109 RBA
MANAGEMENT SEMINAR I

Analysis of current literature. Diagnosis of executive problems, techniques, and policies. Prerequisite: Mgt. 352

590 INDEPENDENT RESEARCH 3 cr. TBA Staff

Advanced study and research report on management topics. Prerequisite: Permission of the instructor.

591 THESIS 1-6 TBA Staff

MARKETING, Professor Robert Lambright, Acting Chairman

368 MARKETING 3 cr. MTWThF 10:50 Staff 209 RBA

A study of the objectives and policies of marketing managers as influenced by marketing institutions, the functions performed, and consumer wants and needs. Prerequisite: Ec. 202, 203 or permission of instructor.

COLLEGE OF EDUCATION

GENERAL EDUCATION, Dr. Harold Brown, Chairman

103 ORIENTATION TO 2 cr. MTWThF 7:30 Knapp 103 TE
TEACHER EDUCATION

Required of all students enrolled in the College of Education. Designed to assist students to use university resources and to provide pertinent information on education as a profession.

210 NEVADA SCHOOL LAW 2 cr. MTWThF 9:10 Brown 103 TE

Principles of state school organization. Study of the Nevada School Code. Meets state certification requirements of Nevada school law.

*306 ORGANIZATION AND 2 cr. MTWThF 10:50 Ahn 211 RBA
CLASSIFICATION OF LIBRARY MATERIALS

Classification and cataloging of library materials. Utilization of printed catalog cards and subject headings for pamphlet files. Practice in cataloging and classification of books. Prerequisite: Ed. 301 or equivalent and permission of the instructor.

*401 AUDIO-VISUAL METHODS 3 cr. MTWThF 12:30 Knapp 1 GL
IN TEACHING

For both elementary and secondary students; a study of the principles and application of both projected and nonprojected materials in audio-visual education. Prerequisite: Foundations I, II, III or equivalent and permission of the instructor.

*402 WORKSHOP IN 2 cr. MTWThF 9:10 Morehouse 209 RBA
SCHOOL LIBRARY PROBLEMS

Problems pertaining to the administration and operation of a school library. Discussed from point of view of the teacher-librarian. Prerequisite: Ed. 302, 304, or 306 and permission of the instructor.

513 ADVANCED EDUCATIONAL 2 cr. MTWThF 7:30 Jeffs 104 TE
MEASUREMENTS AND STATISTICS

Available to all graduate students majoring in education. A study of reference points and units of measurements, partial and multiple correlation construction of scaled tests, similar problems. Prerequisite: Ed. 313 or equivalent.

514 INDIVIDUAL RESEARCH 1-4 TBA Staff

Pursuance of selected basic problems from one of the areas listed under general professional education.

596 PROFESSIONAL PAPER 2 cr. TBA Staff

Required of all graduate students who wish to complete the master of education degree program A. Details will be given by the student's adviser.

597 THESIS 1-6 TBA Staff

ELEMENTARY EDUCATION, Dr. R. DeVerl Willey, Chairman

220 HUMAN GROWTH AND 2 cr. MTWThF 9:10 Butorac 211 TE
DEVELOPMENT

Emphasizes principles of human growth and development, the nature of the child and how children learn. Laboratory with children required. Prerequisite: General psychology.

10-WEEK SESSION—June 16–August 25

COLLEGE OF ARTS AND SCIENCE

CHEMISTRY, Dr. Cyrus O. Guss, Chairman

391 SPECIAL PROBLEMS 2 cr. TBA Staff

A laboratory course giving training in a field not covered in scheduled courses. Arrangements for problems are made with department chairman. Prerequisite: Chem. 334.

497-498 SENIOR PROBLEMS 2 cr. each TBA Staff

An introduction to research methods using a problem chosen from inorganic, analytical, organic, or physical chemistry. Problem director may be chosen by student. Prerequisite: Three years of college chemistry and consent of department chairman.

585-586 SEMINAR 1 cr. each TBA Staff

May be repeated for a maximum of 4 credits. Prerequisite: Chem. 388. Open to seniors with consent of instructor.

591 THESIS 1-6 TBA Staff

May be repeated for credit.

PSYCHOLOGY, Dr. Paul F. Secord, Chairman

535-536 ADVANCED 3 cr. each TTh 7 p.m. Ornstein 202 TE

STUDIES IN DEVELOPMENTAL PSYCHOLOGY

Principles, theories, and research in human development with emphasis on the normal individual. Includes supervised research in special problems. Prerequisite: Either Psy. 204, 231, 233, or 444, and either graduate standing or consent of department chairman.

SOCIOLOGY, Dr. Carl W. Backman, Chairman

502 GRADUATE RESEARCH 1-5 TBA Staff

Research projects in sociology carried out under supervision. May be repeated to a maximum of 6 credits. Prerequisite: Consent of the instructor and department chairman.

ORVIS SCHOOL OF NURSING

NURSING, Professor Marjorie Elmore, Dean

391-392 INDEPENDENT STUDY 1-8 TBA Staff

Designed as supplemental study for nurses with special interests and demonstrated ability. Prerequisite: Junior standing and/or consent of instructor.

491-492 INDEPENDENT STUDY 1-8 TBA Staff

Course description same as for Nurs. 391. Prerequisite: Senior standing and/or consent of instructor.

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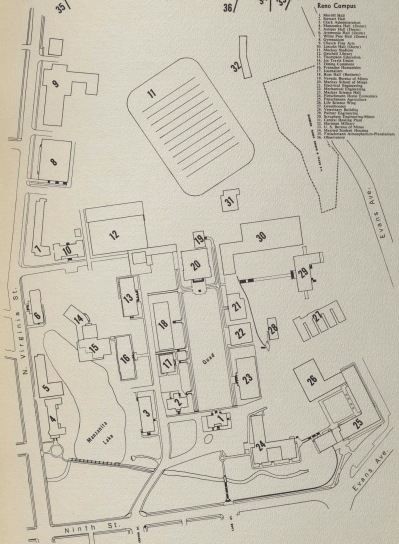
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UNIVERSITY OF NEVADA
Reno Campus

- 10 North Hall
- 11 South Hall
- 12 Clark Administration
- 13 Honors Hall (Dorm)
- 14 Angier Hall (Dorm)
- 15 Commons Hall (Dorm)
- 16 White Pine Hall (Dorm)
- 17 Gymnasium
- 18 Church Fine Arts
- 19 Lincoln Hall (Dorm)
- 20 Mackay Station
- 21 President Library
- 22 University Education
- 23 Joe Travis Union
- 24 James C. Cannon
- 25 President Honors Hall
- 26 Administration
- 27 Ross Hall (Dorm)
- 28 Nevada Bureau of Mines
- 29 Mackay School of Mines
- 30 Chemical Engineering
- 31 Mechanical Engineering
- 32 Mackay Science Hall
- 33 Fisherman Home (Economics)
- 34 Washington Agriculture
- 35 Life Science Wing
- 36 Geology
- 37 Veterinary Building
- 38 Forest Engineering
- 39 Forestry Experiment Station
- 40 Central Heating Plant
- 41 Heating Mill
- 42 U. S. Bureau of Mines
- 43 Mineral Studies House
- 44 Fisherman Atmospheric Protection
- 45 Observatory



EVANS AVE.

N. VIRGINIA ST.

NINTH ST.

EVANS AVE.

Summer
School
1964

TEN WEEKS IN THE HEART
OF THE WEST