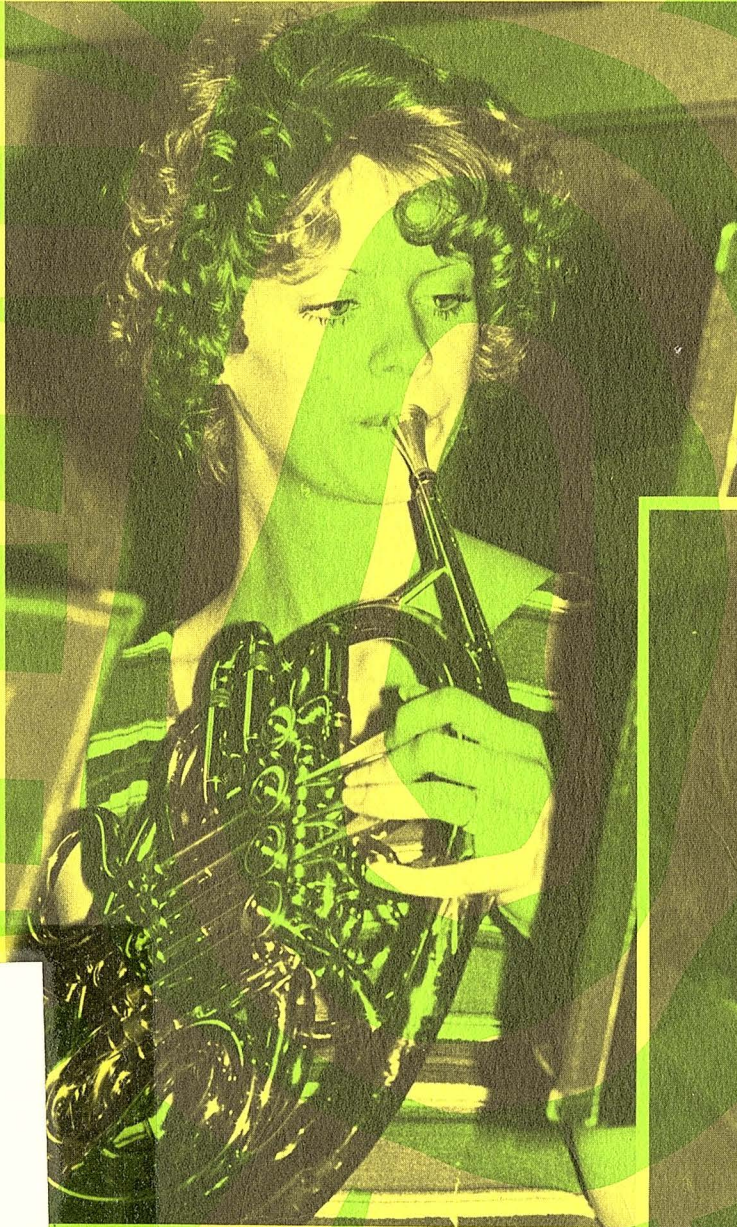


# SUMMER

1976 SESSION



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South Dakota State University





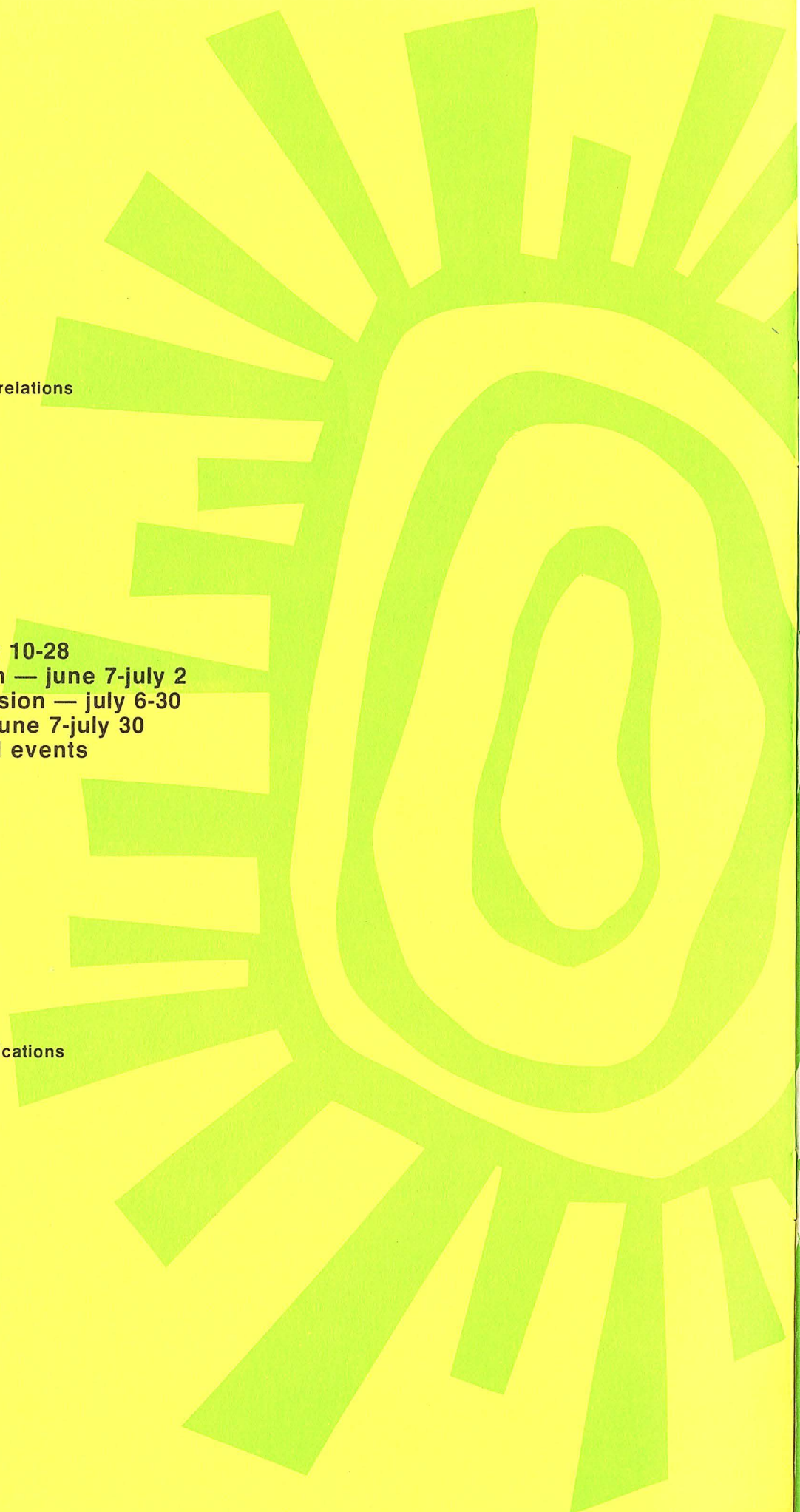
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## housing

### 4-5 registration and related information

### 6-28 departments

- 6 agricultural engineering  
animal science  
art  
aviation  
botany-biology
- 7 chemistry  
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- 13 interim session — may 10-28  
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- 14 second, four-week session — july 6-30
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- 16 workshops and special events
- 17 entomology-zoology  
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- 19 health, physical education  
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- 20 health science  
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- 21 home economics  
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journalism and mass communications
- 22 mathematics  
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physics  
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political science
- 25 psychology  
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- 26 secretarial science
- 27 speech
- 28 statistics  
wildlife





# SUMMER

## **interim session**

monday, may 10 to friday, may 28

## **first four-week session**

monday, june 7 to friday, july 2

## **second four-week session**

tuesday, july 6 to friday, july 30

## **eight-week session**

monday, june 7 to friday, july 30

## **workshops and special events**

**Normal course load is one credit per week.**

## **1976 SUMMER SESSION ADMINISTRATION**

*S. O. Berg*, Ph.D., President

*Rex D. Helfinstine*, Ph.D., Director, Summer Session;

Associate Dean, Graduate School

*David F. Pearson*, J.D., Vice President for Administration

*Harold S. Bailey, Jr.*, Ph.D., Vice President for Academic  
Affairs, Dean of Graduate School

*Delwyn Dearborn*, Ph.D., Dean, College of Agriculture  
and Biological Sciences

*Allen R. Barnes*, Ph.D., Dean, College of Arts and Science

*Junis O. Storry*, Ph.D., Dean, College of Engineering

*Ardyce Gilbert*, Ph.D., Dean, College of Home Economics

*Genevieve B. Johnson*, D.Ed., Dean, College of Nursing

*Raymond Hopponen*, Ph.D., Dean, College of Pharmacy

*James O. Pedersen*, Ph.D., Dean, Student Services

*Harvey E. Johnson*, M.Ed., Registrar

*Alton Raney*, Ph.D., Director of Library

*Wesley A. Bugg*, B.S., Director of Finance

## **NOTICE**

South Dakota State University offers all educational programs, materials, and services to all people without regard to race, color, religion, sex or national origin, and is an Equal Opportunity Employer (Male/Female).

## **1976 Summer Edition**

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**SOUTH DAKOTA STATE UNIVERSITY BULLETIN**

**Volume LXVI    Number 2    February 1976**

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# ***SDSU...the place to be***





in 1976!



## application

**Undergraduates**—If you are entering directly from high school, request your principal to send your transcript of records to the Director of Admissions, South Dakota State University, before registration.

If you are a transfer student wishing to enroll in not over 10 hours of courses and not expecting to work toward a degree, you may use the transient application form.

**Graduates**—New students with Bachelor's degrees should apply to the Graduate School at least two weeks prior to registration for Summer School in order to avoid delay. However, applications will be taken and processed the day of registration. Admission will be as a Special Student.

Students not wishing to enroll in over 10 hours of courses and not expecting to work toward a graduate degree may enroll as a transient student. A transcript need not be submitted, but certification of completion of a Bachelor's degree from an accredited institution is required.

## housing

**Residence hall rooms are available to all single students. Single students who have not completed four semesters of enrollment and whose parents do not reside in Brookings are required to live in residence halls unless permission to live elsewhere is granted by the Housing Office. Approximate costs are as follows:**

Rooms	Summer Session Rent per Week	Workshops Rent per Night	
		w/linen	w/o linen
Double .....	\$12.50	\$5.00	\$2.50
Single .....	\$18.50	\$7.00	\$3.50

Meals are available at the University Student Center and local restaurants. Costs are estimated at \$15 to \$25 per week.

Students living in residence halls will need to furnish a mattress pad, pillow and blankets for a single bed. A rental linen service is available, however. Telephones are installed in each room.

Some campus furnished apartments for married students may be available for rent by subletting from student occupants, or from the University Housing Office, for \$70 to \$130 per month. Write to Director of Housing, South Dakota State University, Brookings, South Dakota 57006, regarding advance room reservation, renting a furnished apartment, or help in obtaining off-campus housing.



# registration and related information

## Registration for Interim Session - May 10-28, 1976

Students will report to the class. The instructor will release the students to register as per previous arrangements with Registrar's Office.

## Registration for Second Four Week Session - July 6-July 30

Students registering initially for four week courses report to Ad 101 for undergraduate students and Ad 132 for graduate students between the hours of 8-10 a.m. for processing.

Students already enrolled for either eight week courses, or first four week courses should process Add slips for additional second four week courses.

Workshops students will report to the class. The instructors will release the students to register as per previous arrangements with Registrar's Office.

## Registration for First Four Week Session and Eight Week Session Monday, June 7, 1976 - 8:00 a.m. to 12:00 noon.

**Graduate Students** - Report to Graduate Office, Ad 132, for materials and instructions, then complete steps 3-14 of Registration Steps.

**New Undergraduates not Previously Admitted - Report to Administration Building, Room 101, for materials and instructions, then complete steps 3-14 of Registration Steps.**

**All Newly Admitted and Re-admitted Undergraduate Students Who Received An Admission Letter** — Report to Administration Building, Room 101, for materials and complete steps 3-14 of Registration Steps.

**All Undergraduate Students Who Attended SDSU Spring Semester 1976** — Follow 1-14 of Registration Steps.

### REGISTRATION STEPS

1. Enter west door of Intramural Building (Old Gym).
2. Report to Student Services desk for registration materials.
3. Report to advisor to arrange schedule and complete tentative classification (Center of Intramural Building).
4. Complete all blanks of **Registration Permit**.
5. Complete other registration cards included in packet.
6. Pick up a course card at the department table for each course for which you are registered. The normal load for a four week session is four with a maximum of five credits. Eight week - eight credits with a maximum of nine credits. (A combination of the four and eight week sessions may be worked out within the limitations of each).
7. Present classification card and registration permit to the fee slip writers to secure fee slip.

8. Vehicle Registration: All students operating a vehicle on the campus who **do not** have the current 1975-76 decal must complete a vehicle registration card and purchase the identification decal at designated table.
9. Present fee slip to room rent table if you are residing in the dormitory for room charge.
10. Present fee slip to **totaling table**.
11. Pay fees at Cashier's station. All fees assessed by the fee slip writers are due on the day of registration. A late payment fee of \$5 starts on June 8 for failure to pay.
12. Activity Tickets: Pick them up at the Cashier's station at time of payment. **All** students enrolled in a four or/and eight week session will be charged the fee.
13. Present the following to Students Services check desk:
  - (a) Completed registration permit.
  - (b) Classification card with course cards arranged in the order listed.
  - (c) Religious preference and other cards in packet.
  - (d) Paid fee slip.
14. Veterans: Veterans eligible for benefits report to Veterans table in the intramural building.

### REGISTRATION RELATED INFORMATION

#### LATE REGISTRATION

1. Pick up registration materials - Undergraduates at Student Services, Graduates at Grad School.
2. Go to Dean of your college for advisor assignment and complete quad schedule form and obtain add slips for every course you are entering.
3. Report to departmental office for signature verifying ADD approval for each course added.
4. If housing is needed, report Housing Office, Ad 133, for assignment and assessment on your fee slip.
5. Return to Student Services for fee slip.
6. Pay at Cashier's Office (Check for Vehicle Registration).
7. Return to Student Services and turn in all materials.

A late registration fee of \$10 will be assessed for all late registrants beginning at 8:00 a.m., June 8.

Late registration is permitted until June 11th for First Session courses, June 18 for Eight Week courses, and July 9th for Second Session Courses.

#### WORKSHOP REGISTRATION

**This is a separate registration** - Registration instructions will be given at the first meeting by the instructor in charge.

### LOAD ADJUSTMENTS DEADLINES AND REFUNDS

**Refunds** - NO REFUNDS of tuition or fees for credits dropped after registration on June 7nd except for a course discontinued or a time change from the published schedule causing student conflict. Students may drop and add equivalent credits without additional charges. Deviation from this policy will require an explanation from the student's Dean clearly establishing a refund reason beyond the control of the student and caused by the University. This must be accomplished within the established period for adds.

#### ADD AND LATE REGISTRATION DEADLINE

June 11 - Last day to enter a First Session course.  
 June 18 - Last day to enter an eight week course.  
 July 9 - Last day to enter a Second Session course.

#### DROP DEADLINES

June 25 - Last day to drop a First Session course.  
 July 9 - Last day an eight week course may be dropped.  
 July 23 - Last day to drop a Second Session course.

#### WITHDRAWAL FROM THE UNIVERSITY

Students who desire to withdraw from the university must contact Student Services - Room 200, Administration Building. Failure to withdraw will result in F's in the courses.

Refunds will be issued following withdrawal according to the schedule below:

#### WITHDRAWAL REFUND SCHEDULE

Period of student's attendance. Official date of registration to date of authorized and complete withdrawal.	Percent of Tuition and Fees Refunded	
	4 week	8 week
2 weeks or less	50%	60%
Between 3 and 4 weeks	0%	20%
Between 4 and 5 weeks	0%	0%
Six Weeks or More	0%	0%



## LOAD ADJUSTMENTS - PROCEDURES

**Initiate all load adjustments through your faculty advisor.**

1. A separate "DROP from registration" or separate "ADD to registration" form must be completed for each section change. Forms are available from your advisor or Dean.
2. DROP forms must be signed by advisor and department secretary for dropped course. Department secretary will retain the instructor's copy.
3. ADD forms must be signed by advisor and instructor for each added course.
4. All DROP and ADD forms must be turned in at Student Services, Room 200, Administration Building, or processing will not occur.

## FEES AND TUITION - CHARGES

Undergraduates: Pay tuition and all fees as indicated.

Graduate: Pay tuition and all fees as indicated.

Fellows and Graduate Assistants: Pay one-third resident tuition rate with fees optional except health fee.

Faculty: Faculty pay regular tuition with fees optional, except health fee (unless excused).

Auditor: The regular tuition and fees will be charged for auditing a course. Faculty, Fellows, Graduate Assistants, Research Assistants, and classified personnel on contract may audit without charge except for an application fee (\$15.00). (See Auditing Courses for registration procedure).

## FEES AND TUITION SUMMER 1976

Tuition: Per cr. hr.	Resident	Non-Resident
Undergraduate	\$16.75	\$38.50
Graduate	27.50	52.50
Weeks: Credits, Normal load - Maximum		
4	4	5
8	8	9

<b>General University 4 credits</b>	<b>1-3.9</b>
<b>Fees*</b>	<b>and up credits</b>
Health Service	\$ 8.50 \$ no fee
Student Center	7.80 3.90
Alumni	.70 .35
Student Assn.	.70 .35
Recreation	2.80 1.40
Theatre	1.80 .90
Collegian	.80 .40
Total	\$23.10 \$ 7.30

**OTHER FEES:** Charged where applicable  
Late registration - \$10 beginning 8 a.m. on June 8.

Late payment fee - \$5 on June 9.

Swimming, Golf, Senior

Life Saving \$2.00

Prev Care Inj (PE 354) \$4.50

Home Management House \$60.00

\* Students taking only Interim and Workshop courses are not charged General University nor Student Activity fees.

## UNPENALIZED ELECTIVES

Students following the Bachelor's programs have the option of enrolling in up to 12 credits, but not more than one course per semester of unpenalized elective courses.

1. These credits must be outside the student's major and may not serve to satisfy University, College, or Departmental core curriculum requirements.
2. Enrollment must be specified at the beginning of the session by **add slip registration after registration day**. ADD slip should carry notation "unpenalized elective."
3. A student may change from unpenalized elective to credit during the normal ADD period. A student may change from credit to unpenalized elective during the normal ADD period.
4. The course must be satisfied in the normal manner - student is responsible for attending class, taking exams, completing assignments, etc.
5. The student will be required to take and receive a grade in all exams. These grades may direct that a mid-term deficiency report be sent and may result in a final grade of "E" (Satisfactory) or "F" (Fail).
6. The grade received, whether "E" or "F" will be recorded on the student's permanent record, but will not count in the computation of the semester or the cumulative grade point average. If the course is passed, the credits and two times that number of grade points will be counted for graduation.

## AUDITING COURSES

Registration as an auditor must be accomplished **by add slip procedure after classes begin**.

Credit to audit changes will be allowed through the normal drop period.

Audit to credit changes will be allowed through the normal add period.

Audit credits will **not** be counted as a part of the student's load for figuring full-time student status. A grade of satisfactory (E) or unsatisfactory (F) will be designated by the instructor. These grades are normally based on class attendance.

## TIME SCHEDULE

Lecture and Recitation Periods:

- 2 credits meet four 50 minute periods per week.
- 3 credits meet five 60 minute periods per week.
- 4 credits meet eight 50 minute periods per week.
- 5 credits meet ten 50 minute periods per week.

Period I —	6:50- 7:50
II —	8:00- 9:00
III —	9:10-10:10
IV —	10:20-11:20
V —	11:30-12:30
VI —	1:00- 2:00
VII —	2:10- 3:10
VIII —	3:20- 4:20
TBA —	To be arranged

## COURSE NUMBERS

Non-credit courses

1-99 pre-college or remedial level

Courses for Undergraduates Only

100-199 freshmen level

200-299 sophomore level

Courses primarily for Undergraduates (Open to graduate students for credits under restricted conditions with approval of Graduate Dean - see graduate catalog)

300-399 junior level

400-499 senior level

500-599 Courses for advanced undergraduates having necessary prerequisites, except for fifth year pharmacy courses, may not be used as a requirement for Bachelor's degree, nor for graduate credit.

600-699 Graduate level (double numbered 500-599) Courses for Graduate students.

700-799 Graduate credit only

800-899 Doctoral

Post-Baccalaureate Courses

900-999 Not for degree credit.

## BUILDING ABBREVIATIONS

Ad	Administration
AE	Agriculture Engineering
AgH	Agricultural Hall
AC	Art Center
AR	ROTC Armory
CEH	Crothers Engineering Hall
DM	Dairy Microbiology
Gym	Gymnasium
HH	Harding Hall
HN	Home Economics-Nursing
Ho	Horticulture
IA	Industrial Arts
Lib	Library
MB	Music Building
PEC	Physical Education Center
PJ	Printing-Journalism
Ro	Rotunda for Arts & Science
SH	Shepard Hall
SB	Speech Building
SoH	Solberg Hall
SC	Student Center



# departments

## AGRICULTURAL ENGINEERING (AE)

### (Eight Week Session)

**470 Special Topics**, 1-4 cr., (1-4, 0-2) TBA, Staff

On demand, Individual or group study. P, consent

**595/695 Special Topics**, 1-3 cr., TBA, Staff

**770 Special Problems in AE**, 1-3 cr., TBA, Staff

On demand. Graduate Students who wish to pursue detailed studies in one or several areas of the Agricultural Engineering field including meteorology and climatology.

**790 Thesis in AE**, 5-7 cr., TBA, Staff

## ANIMAL SCIENCE

### (Eight Week Session)

**591/691 Research Problems**, 1-3 cr., TBA  
Investigation of problems in following areas with results submitted as technical paper: Animal Breeding, Nutrition, Meats, Livestock Production, Reproductive Physiology, Wool Technology, Poultry.

**592/692 Special Topics**, 1-3 cr., TBA  
Advanced study of one or more selected topics: breeding, management, product technology, physiology, nutrition, research methods or marketing.

**731 Experimental Procedure**, 2 cr., TBA  
Research methods and planning of experimental work, necessary records, interpretation of results and presentation of material. P, Stat 641 or equivalent.

**790 Thesis, M.S.**, 5-7 cr.

**890 Thesis, Ph.D.**

## ART (Art)

### (Interim)

**ArtS 332 Painting, II**, 3 cr., TBA Guastella  
Continuation of Painting I, and special emphasis on figurative composition and expression. P, 231.

**ArtS 396 Undergraduate Course  
Special-Printmaking Workshop**, 3 cr., TBA Mayes

Printmaking Workshop will allow students to work in one of the following areas: woodcuts, etching, screen printing, or lithography. Credit may be substituted for ArtS 281 Printmaking I or ArtS 382 Printmaking II. P, 113, 123 and consent of Department Head.

**ArtS 399 Welding and Sculpture Workshop**, 3 cr., May 12-28, First class meeting on May 12 at 1:00, Regular time 9:00-4:00, MTWTF, Donald Boyd, Harry Svec

The workshop will not aim at creating master welders, nor will there be time for expanded sculptural concepts. The course will appeal to those with either sculptural skills or welding skills who would like exposure to combining the two areas. Only one project will be required. Students must supply their own metal for the project.

### (Eight Week Session)

**ArtS 113 Drawing I** 3 cr., TBA Bunce  
Development of visual perception in representational and expressive drawing with various media.

**ArtS 123 Design I** 3 cr., TBA Bunce  
Studio approach to visual arts through critiques, lectures, and studio participation dealing with design fundamentals.

### (Workshops and Special Events)

**ArtS 399 Welding and Sculpture Workshop**, 3 cr., May 12-28, First class meeting on May 12 at 1:00, Regular time 9:00-4:00, MTWTF, Donald Boyd, Harry Svec

## AVIATION (Avia)

### (Eight Week Session)

**270 Introduction to Aviation**, 2 cr., TBA, Paulson

Aerodynamics, principles of flying, civil air regulations, meteorology, radio and navigation.

**272 Basic Flight Training**, 2 cr., TBA, Leitzke  
Student gets a pre-solo time and his dual cross-country requirements completed. Preflight and postflight briefings held with each flight. P, Avia 270. Fee \$250.

**372 Advanced Flight Training**, 2 cr., TBA, Leitzke

Covers advanced phases of flying, including solo, cross-country flights and all phases of flight training. Course given in full compliance with FAA regulations. P, Avia 272 or equivalent. Fee \$250.

## BOTANY-BIOLOGY (Bot-Bio)

### (Eight Week Session)

**Bio 151 Biology**, 3 cr., R, 10:20-11:20, TT; L, 1:00-3:10, TT, AgH 301

Modern biology as related to living organisms. Emphasis on molecular and cellular organization.

**Bio 371 Genetics**, 3 cr., 10:20-11:20, MTWTF, DM 112

Principles governing the nature, transmission and function of hereditary material with application to plants, animals, humans, and microorganisms. P, 153.

**Bot 261 Basic Taxonomy**, 4 cr., TBA  
Principles of phylogeny, classification and nomenclature; demonstrations, field study and laboratory practice in collecting, preserving and identifying plants. Open to all students.

**Bot 415 Plant Ecology**, 4 cr., TBA  
Descriptions of plant communities, their dynamics and distribution. Environmental factors and their relationships with plants. Field trips. P, Bio 153.

**Bot 790 Thesis in Botany**, 1-7 cr., TBA





## CHEMISTRY (Chem) (Eight Week Session)

**110 General Chemistry, 4 cr., Sec. 1,**  
10:20-11:20, MTWTF, Sh 210, L., Sec. 51,  
1:00-4:00, MW, Rue

A one-semester introduction to chemistry. Not intended for those needing extensive chemistry background. Duplicate credit for Ch 100, 110 or 112 not allowed.

**120 Elementary Organic Chemistry, Sec. 1, 3 cr.,** 8:00-9:00, MTWTF, Sh 210, Johnson  
Compounds of carbon and emphasis on those of interest to students of Agriculture, Applied Science, Home Economics and Nursing. P, 110 or 112. Duplicate credit for Chem 120, 222 and 326 not allowed.

**120 Elementary Organic Chemistry, Sec. 2, 4 cr.,** 8:00-9:00, MTWTF, Sh 210, L, Sec. 51,  
1:00-4:00, MW, Johnson  
Compounds of carbon and emphasis on those of interest to students of Agriculture, Applied Science, Home Economics and Nursing. P, 110 or 112. Duplicate credit for Chem 120, 222 and 326 not allowed.

**121 Elementary Organic Chemistry Laboratory, 1 cr.,** 1:00-4:00- MW, Brandwein

The laboratory portion of Chem 120 for those who have completed 120 for 3 credits. P, 120.

**260 Elementary Biochemistry, 4 cr., Sec. 1,** 8:00-9:00, MTWTF, Sh 212, Sec. 51,  
1:00-4:00, TT, Brandwein  
Introduction to biochemical processes and the study of compounds of biological interest. P, 120 (4 credits) or equivalent.

**591/691 Special Problems, 1-4 cr., TBA, Staff**  
Research problems in chemistry. Strongly recommended for senior chemistry majors. P, consent.

**790 Thesis, TBA, Sec. 1, Staff**

790 Thesis Sustaining, TBA, Sec. 2, Staff



## CHILD DEVELOPMENT AND FAMILY RELATIONS (CDFR)

### (First Session)

**502/602 Seminar: Psychodynamics of the Family, 2 cr., Sec. 1,** 10:20-12:30, MTWT, Richardson

Factors influencing the interaction between family members in the course of day-to-day relationships. Emphasis will be on the normal rather than the pathological and will consider communications, family rules, roles, etc.

**544/644 American Woman, 2 cr., 8:00-10:10,** MTWT, Melby

Recent literature regarding changing role of woman, her developmental tasks and the unique contribution she has made in dynamic 20th century America. P, 342 or equivalent.

### (Eight Week Session)

**271 Experience in Human Relations, 3 cr.,** Sec. 1, 9:10-12:40, MTWT, 11:30-12:30, F;  
Sec. 2, 9:10-12:40, MTWT, 11:30-12:30 F;  
Sec. 3, 1:00-4:30, MTWT, 11:30-12:30, F;  
Pug H; Sec. 4, MTWT, TBA, Staff

Opportunity to more fully understand children as well as oneself and other adults while observing and working with children in Family Life Laboratory. P, 211 with grade of "C" By Reservation Only.

**364 Parent Education and Family Counseling, 2 cr., 1:00-2:00, MTWT, CEH 213, Hepler**

Principles of parent education and family counseling intended to meet needs of students interested both in preparing for their own role as parents and for professional role that will include work with parents. Opportunity for formulation and presentation of program for nursery school parents. Emphasis on various types of parent-teacher conferences and literature related to pre-school education. P, 211, 342.

**472 Student Teaching in Preschool Programs I, 4 cr., Sec. 1,** 9:10-1:10, MTWT, 11:30-12:30, F; Sec. 2, 9:10-1:10, MTWT, 11:30-12:30, F; Sec. 3, 1:00-5:00, MTWT, 11:30-12:30 F, Pug H; Sec. 4, MTWT, TBA, Staff

Planning and conducting various phases of early childhood programs. Student takes increasing responsibility, finally taking complete charge of the program. Weekly conferences. P, grade of "C" in 211, 271, 362.

**502/602 Seminar: Children and Families in Crisis, 2 cr., Sec. 2,** 1:00-3:10, MTWTF, HN 363, Melby

Effects on and adjustment of the family to various crisis-producing situations. The nature of crisis and its impact on individual family members and their relationship to other family members and the community will be considered.

## CIVIL ENGINEERING (CE)

### (Interim)

**CE 106 Elementary Surveying, 3 cr., TBA**  
Use, adjustment, and care of surveying instruments; analysis of errors in observation. P, Math 120 or 113 and EG 112.

### (Eight Week Session)

**CE 595/695 Special Topics, 1-3 cr., TBA**  
Special topics in the field of Civil Engineering. P, consent.

**CE 790 Thesis, 1-3 cr., TBA**

### (August)

**CE 208 Engineering Surveys, 3 cr., TBA**  
Topographic surveys and topographic mapping, elements of photogrammetry, land and construction surveys, principles of curve and earth work calculations and other advanced topics in surveying. P, 106.

## COMPUTER SCIENCE (CSci)

### (First Session)

**212 Computer Programming, 1 cr., 1:00-2:00,** MWF, Harding Hall 300  
FORTRAN programming. Provides the student with sufficient programming skill so that he may utilize the computer in a wide variety of fields requiring mathematical manipulation. P, Math 111 or 113.

## DAIRY SCIENCE (DS) (Eight Week Session)

**490 Special Problems in Dairy Science, 1-3 cr., TBA**

Investigation of problems in dairy production or dairy manufacturing. Results to be submitted as a technical paper. P, Junior or Senior standing plus consent. Maximum of 3 cr. for B.S. degree.

**590/690 Dairy Science Problems, 1-3 cr., TBA**  
Investigation of problems in dairy production or dairy manufacturing. Results submitted as a technical paper. P, consent.

**790 M.S. Thesis in Dairy Science, TBA**



## ECONOMICS (Econ)

### (First Four Week Session)

#### **Econ 391 and HE 391 Consumers and the Market, 3 cr., 1:00-4:20, MTWT, HN 327**

Factors important to families, agents and consumers; standardization of goods, grading, branding, labeling, packaging; advertising; consumer practices affecting cost; analysis of programs for consumer protection; the market structure. Principles of maximization of consumer satisfaction. P, junior standing or consent.

### (Eight Week Session)

#### **Actg 210 Principles of Accounting I, 3 cr., 11:30-12:30, MTWTF, DM 112**

Basic accounting cycle; financial statements; asset valuation; accounting controls and concepts, payrolls, payroll taxes and an introduction to the corporate capital accounts. Understanding of fundamental procedure and accounting theory.

#### **B-Ad 280 Personal Finance, 3 cr., 10:20-11:20, MTWTF, DM 202**

Survey of personal budgets, uses of consumer credit, savings institutions, protective aspects of property and life insurance, home ownership, investment programs.

#### **B-Ad 310 Business Finance, 3 cr., 10:20-11:20, MTWTF, DM 208**

Capital and credit needs of business firms; principles and problems in extending and using business credit; analysis of financial statements; financial management; planning and financing capital structure; market for and investing in debt and equity securities. P, Actg 210 or equivalent.

#### **B-Ad 350 Business Law I, 3 cr., 8:00-9:00, MTWTF, DM 112**

Legal rights and duties of parties to business transactions—contracts, agency, employment, commercial paper, personal property and bailments.

#### **Econ 201 Principles of Economics I, 3 cr., 8:00-9:00, MTWTF, DM 208**

Analysis of U.S. economy. Money and banking. Federal Reserve policy, national income, government spending, taxation, business fluctuations, and levels of employment and prices. Introduction to supply and demand, business organization, world trade, economic growth, and economic systems.

#### **Econ 202 Principles of Economics II, 3 cr., 9:10-10:10, MTWTF, DM 208**

Analysis of price as it allocates resources and distributes income. Theory of firm, supply and demand, economic efficiency, types of competition in markets, marginal productivity and wage determination; public interest in industry, agriculture, labor, and individual welfare. P, 201.

#### **Econ 401 Intermediate Macroeconomics, 3 cr., 9:10-10:10, MTWTF, DM 202**

Determinants of national income, employment and price level in free enterprise system with particular attention to aggregate consumption/investment and government spending. In addition, there will be brief consideration of methods of maintaining a high level of employment and income and related aspects of economic policy. P, 202.

#### **Econ 481 Internship in Economics, 1-12 cr., TBA**

Supervised field experience with commercial firm, bank, credit agency, or public agency to increase applicability of classroom learning to professional needs. Variety and educational value are emphasized. Job description by employer and final reports required. May be repeated for credit. P, junior standing, consent.

#### **Econ 490 Economic Problems, 1-3 cr., TBA**

Individual study. May involve case studies, special reports, assigned readings, analysis of data and report preparation. Maximum of 4 hours. P, consent.

#### **Econ 590/690 Special Problems, 1-3 cr., TBA**

Advanced work or special problems in agricultural cooperation, agricultural finance, farm management, land economics, marketing, public finance, statistics. Open to qualified seniors and graduate students by consent.

#### **Econ 705 Applied Economic Theory, 0-1 cr., TBA**

Practice in the application of micro- and macro-economic theory to solutions of real and hypothetical problems. Selection, use of appropriate statistical techniques, research methods. analytical methods suitable for complex problems.

#### **Econ 730 Economics of the Public Sector, 3 cr., 1:00-2:00, MTWTF, DM 112**

Governmental operations, policies, and revenues as related to employment, productivity, and economic welfare. Alternatives that would affect social services, education, commerce and trade, fiscal policies, and quality of life.

## EDUCATION (Ed)

### (Interim Session)

#### **AgEd 506/606 Problems in Agricultural Education, 1-3 cr., TBA, Gadda**

Selected studies to meet needs of advanced students. P, senior standing for seniors and graduate students desiring to do individual studies. Limited to 3 credits in graduate program. Consent of instructor.

#### **AHEd 500/600 Special Problems in Extension, 2-6 cr., TBA, Everett**

Individually assigned investigative problems in Extension. Individual conference with Laboratory and/or field work. Arrangements with Extension staff must be made prior to registration.

#### **AHEd 582/682 Seminar in Adult & Continuing Education, 3 cr., Sec. 1, 9:00-4:00, MTWTF, May 3-21, Everett**

Seminar in Supervision of Extension Programs. Management of time and personnel, paraprofessional and professional. Special resource person - Dr. William R. Van Dersai, Dean of Management College, National Graduate University, Washington, D.C. By Permission only. For additional information contact Mr. Frank Heitland or Dr. Mary Francis Lyle.

#### **AHEd 582/682 Seminar in Adult & Continuing Education, 1-3 cr., Sec. 2, TBA, Everett**

Review of scientific investigations of problems of education. Problems for investigation and research assigned to students. P, open to seniors and graduate students in education by permission of instructor.

#### **AHEd 591/691 Problems in Adult and Continuing Education, 1-3 cr., TBA, Everett**

Selected studies to meet needs of advanced students. P, senior standing, for seniors and graduate students desiring to do individual studies. Limited to 3 credits in graduate program. Consent of instructor.

#### **CGPS 791 Special Problems in Guidance and Counseling, 1-3 cr., TBA, Lindstrom**

Directed reading and research in selected individual guidance and counseling problems. Designed to meet needs of graduate students in guidance and counseling.

#### **CGPS 792 Seminar in Current Trends and Issues in Counseling, 1 cr., TBA, Schmieding**

Major emphasis on research studies and evaluation of guidance counseling theory and practice. Students will investigate specific problems determined in part by needs, deficiency and interest of guidance.

#### **EdAd 795 Problems in Educational Administration, 1-3 cr., TBA, Staff**

Selected studies to meet needs of advanced students. P, consent of instructor. Limited to 3 credits in Graduate program.

#### **SeEd 591/691 Problems in Education, 1-3 cr., TBA, Staff**

Selected studies to meet needs of advanced students. P, senior standing, for seniors and graduate students desiring to do individual studies. Limited to 3 credits in graduate program. Consent of instructor.



## (First Session)

### **AgEd 470 Summer Experience in Agricultural Education, 1-2 cr., TBA, Hanson**

Recommended for all Agricultural Education Majors.

**Option A:** An intern experience in observing and assisting a qualified experienced vocational agriculture instructor in an approved vocational agriculture department. P, junior or senior in Agricultural Education.

**Option B:** A cooperative supervised occupational experience in an off-farm agricultural occupation in which the student wishes to gain occupational experience. P, junior or senior in Agricultural Education, GPA 2.0.

### **AgEd 505/605 Seminar in Agricultural Education, 2 cr., 1:00-3:10, MTTF, Hanson**

Specific problems dealing with instruction in vocational agriculture, project work, course of study, farm enterprise analysis, local survey. Reading and problem work. P, 434, 404, 475.

### **AgEd 506/606 Problems in Agricultural Education, 1-3 cr., TBA, Staff**

### **AgEd 707 Supervised Occupational Experience and Student Groups in Agricultural Education, 2 cr., 10:20-12:30, MTTF, Gadda**

Emphasizes needs, scope, and techniques in building supervised work experience in agriculture and Future Farmer programs. P, Graduate student in Agricultural Education.

### **AgEd 792 Research Problems in Agricultural Education, 2 cr., TBA, Staff**

Individual work. Problem selected, analyzed and data gathered and tested statistically. Reported in approved form. Consent of instructor.

### **AHed 400 Field Practice Training in Extension, 2-5 cr., TBA, Everett**

Available to a limited number of students majoring in agriculture or home economics who are interested in Extension work and have completed the junior year. Students will be assigned to a county during the summer for a period of time based upon the convenience of the student.

### **AHed 500/600 Special Problems in Extension, 2-6 cr., TBA, Everett**

### **AHed 582/682 Seminar in Adult & Continuing Education, Sec. 2, 1-3 cr., TBA, Everett**

### **AHed 591/691 Problems in Adult & Continuing Education, 1-3 cr., TBA, Everett**

### **CGPS 500/600 The Exceptional Child, 3 cr., 1:00-3:10, MTWTF, HN 127, Skidmore**

Critical consideration of physical, social, emotional, and intellectual qualities which characterize children who deviate from normal to such an extent as to require special educational consideration. Special attention given to study of desirable provisions in educational program of gifted children.

### **CGPS 736 Appraisal of the Individual, 2 cr., 10:20-12:30, MTTF, HN 127, Staff**

Techniques for discovering characteristics of individual students. Students will develop competencies in the use of cumulative records, case study procedures, sociometric devices, and other non-standard test instruments. Recording, analyzing, compiling, and interpreting data as they relate to counseling. A synthesis of information about students.

### **CGPS 791 Special Problems in Guidance and Counseling, 1-3 cr., TBA, Lindstrom**

### **CGPS 792 Seminar in Current Trends and Issues in Counseling, 1 cr., TBA, Staff**

Major emphasis on research studies and evaluation of guidance counseling theory and practice. Students will investigate specific problems determined in part by needs, deficiency and interest of guidance.

### **EdAd 710 Organization and Administration of Elementary Education, 2 cr., 1:00-3:10, HN 125 MTTF, Jensen**

Principles and modern practices of organizing and administering work of elementary schools. Required by State Department of Public Instruction of school superintendents and elementary school principals.

### **EdAd 730 School Finance, 2 cr., 10:20-12:30, MTTF, HN 327, Scholten**

Financing the operation of public schools; national, state and local sources of support. Sources of revenue. Financing school building construction. Investment of surplus funds. Federal aid to education programs.

### **EdAd 735 School Law, 2 cr., 6:50-9:00, MTTF, Ro G, Scholten**

Legal character of Public Schools; legal powers of school boards, administrators, and teachers; legal aspects of parent-child-school relationships: Emphasis will be placed on South Dakota School Law. Alternates with Ed 772. P, Ed 713.

### **EdAd 782 Seminar, Sec. 1, 1-3 cr., TBA, Staff**

Review of scientific investigations of problems of administration. Problems for investigation and research assigned. P, consent of instructor.

### **EdAd 782 Seminar in School Personnel Management, Sec. 2, 3 cr., 8:00-10:10, MTWTF HN 127, Betz**

Deals with the problems, issues and administrative functions of school personnel management.

### **EdAd 795 Problems in Educational Administration, 1-3 cr., TBA, Staff**

### **EdFn530/630 Current Trends in Education, 2 cr., 1:00-3:10, MTTF, HN 157, Luchsinger**

A review of the changes being made in public school education throughout the United States. The identification of changing administrative policy, teaching techniques and organization patterns. The impact of these changes upon public schools.

### **EPsy 523/623 Adolescent Psychology, 3 cr., 6:50-9:00, MTWTF, HN 159, Vanderpan**

Physical, social, emotional, intellectual and vocational aspects of adolescent development. Emphasis is upon increasing understanding of adolescents and their problems. P, Psyc 101 or 102.

### **SeEd 287 Practicum and Professional Laboratory, 2 cr., 10:20-12:30, MTTF, HN 159, Widvey**

Desirable classroom practices; observation in elementary, junior, senior high schools; identification and correction of deficiencies in basic competencies prior to advanced standing in teacher education.

### **SeEd 492 Problems in Education, 1-3 cr., TBA, Staff**

Selected studies and activities to meet the needs of undergraduate students.

### **SeEd 582/682 Educational Seminar, 1-3 cr., TBA, Staff**

Review of scientific investigation of problems of education. Problems for investigation and research assigned to students. P, open to seniors and graduate students in education by permission of instructor.

### **SeEd 591/691 Problems in Education, 1-3 cr., TBA, Staff**

### **VTTE 525/625 Development of Vocational Education Thought and Practice, 3 cr., 1:00-3:10, MTWTF, HN 169, Gadda**

Emphasis on philosophy, origins, and development of vocational, technical and practical arts, education programs at adult, post-secondary, secondary and pre-vocational levels. Current and emerging principles, practices and issues are stressed. P, senior in Education.





## (Second Session)

- AgEd 470 Summer Experience in Agricultural Education**, 1-2 cr., TBA, Hanson
- AgEd 506/606 Problems in Agricultural Education**, 1-3 cr., TBA, Gadda
- AgEd 792 Research Problems in Agricultural Education**, 2 cr., TBA, Gadda
- AHEd 400 Field Practice Training in Extension**, 2-5 cr., TBA, Everett
- AHEd 500/600 Special Problems in Extension**, 2-6 cr., TBA, Everett
- AHEd 582/682 Seminar in Adult & Continuing Education**, Sec. 2, 1-3 cr., TBA, Everett
- AHEd 591/691 Problems in Adult & Continuing Education**, 1-3 cr., TBA, Everett
- CGPS 530/630 Learning Disorders of Children**, 3 cr., 1:00-3:10, MTWTF, HN 327, Skidmore  
Overview of various learning deficits, remedial procedures, and consideration of psychological assessments.
- CGPS 766 Group Counseling**, 2 cr., 10:20-12:30, MTTF, HN 327, Ivers  
Purpose and methods of group as applied to a sound guidance program. Concentration on group processes. Theoretical basis for group work in guidance, orientation activities, classroom instruction, educational and vocational planning, and group guidance. P, consent of instructor, limited to advanced GC majors.
- CGPS 791 Special Problems in Guidance and Counseling**, 1-3 cr., TBA, Lindstrom
- CGPS, 792 Seminar in Current Trends and Issues in Counseling**, 1 cr., TBA, Ivers
- DrEd 370 Driver Education**, 3 cr., 9:10-11:20, MTWTF, SoH 202, Nelson  
Basic course for preparation of driver education teachers in secondary schools. Techniques, materials, equipment and facilities. Organization, administration, public relations. Classroom instruction and road practice. P, EPsy 302 and consent of instructor.
- DrEd 550/650 Safety Education**, 3 cr., 1:00-3:10, MTWTF, HN 157, Nelson  
Philosophy, content and methods requisite to teachers participation in accident prevention activities and school safety education program.
- EdAd 732 School Buildings and Grounds**, 2 cr., 10:20-12:30, MTTF, HN 159, Betz  
Management, care and operation of school plant. Needs and evaluation of existing facilities, new buildings and remodeling. Not a technical course in design and materials. Alternates with Ed 762.

**EdAd 782 Seminar**, Sec. 1, 1-3 cr., TBA, Staff

**EdAd 782 Seminar in Junior High-Middle School**, Sec. 3, 2 cr., 8:00-10:10, MTTF, HN 127, Scholten

Development of the middle school, purposes and objectives. Problems in the organization and operation of middle schools. Emphasis on individual problems.

**EdAd 795 Problems in Educational Administration**, 1-3 cr., TBA, Staff

**EdFn 520/620 Philosophy of Education**, 2 cr., 1:00-3:10, MTTF, HN 169, Widvey

Comparison of historic and current philosophies of education, their major emphases and effects on educational goals and practices today. (May count as education credit).

**EPsy 551/651 Mental Health and Personality Development**, 3 cr., 8:00-10:10, MTWTF, CEH 218, Vanderpan

Nature of personality; mental and emotional health and recognition of deviations in children and adults. Emphasis on mental health problems and positive program for personal mental health.

**SeEd 492 Problems in Education**, 1-3 cr., TBA, Staff

**SeEd 582/682 Educational Seminar**, 1-3 cr., TBA, Staff

**SeEd 591/691 Problems in Education**, 1-3 cr., TBA, Staff

**SeEd 752 Improvement of Reading**, 2 cr., 10:20-12:30, MTTF, HN 127, Staff

Description of normal process of development in reading skills and techniques which may be used in remedying deviations which hinder readers in speed or comprehension. Recommended for graduate students in Language Skills and Communications programs and for undergraduates who plan to teach.

**SeEd 753 Diagnosis and Remediation of Reading Problems**, 2 cr., 1:00-3:10, MTTF, HN 125, Staff

General nature of causes of reading disability; principles of diagnosis and use of instruments; basic principles of individual remediation; case studies; evaluation of progress of the disabled reader; adaptation of techniques to classroom.

**VTTE 731 Administration and Supervision of Vocational Education**, 3 cr., 8:00-10:10, CEH 316, MTWTF, Hanson

Organization, administration of vocational-technical education and the practical arts at all levels. Local-state-federal relationships in administration and supervision. State plan development, reimbursement plans and procedures, projected activities and program standards. Principles of effective supervision and evaluation applicable to vocational-technical education. Consent of instructor.

## (Eight Week Session)

**AgEd 506/606 Problems in Agricultural Education**, 1-3 cr., TBA, Staff

**CGPS 410 Principles of Guidance**, 2 cr., 1:00-2:00, MTTF, CEH 319, Lindstrom

Developing basic human relations and helping skills; self-awareness and self-examination of the interpersonal communications process; emphasis on understanding self and understanding others.

**CGPS 503/603 Elementary School Guidance**, 3 cr., 10:20-12:30, MTWTF, HN 125, Lindstrom

The principles of guidance and their application at the elementary level. Emphasis is on the function of the counselor in meeting children's need. The nature of guidance and of the guidance services in elementary education. P, consent of instructor.

**CGPS 561/661 Theories of Counseling**, 3 cr., 8:00-9:00, MTWTF, SoH, 202, Schmieding

Theories, methods, and application of the counseling processes at all levels. P, consent of instructor.

**CGPS 510/610 Foundations of Guidance and Personnel Services**, 2 cr., 1:00-2:00, MTTF, HN 159, Lindstrom

Purpose, and scope including meaning, philosophy and concepts, basic elements of service, developing human relations skills, personnel involved in organization and evaluation of guidance programs.

**CGPS 713 Administration and Operation of Guidance and Personnel Services**, 3 cr., HN 125, 3:20-4:20, MTWTF, Staff

Principles of guidance; organizing school guidance program, tests and testing; guidance library and materials; interviewing and counseling. For those seeking administrative certificate.

**CGPS 742 Career Education and Occupational Information**, 3 cr., 11:30-12:30, MTWTF, SoH 202, Staff

Using, reviewing, and evaluating occupational information. Sources and types of materials and occupational filing plans. Securing occupational information.

**CGPS 787 Counseling Laboratory and Supervised Practicum**, 3-5 cr., TBA, Schmieding

Counseling interviews and activities under supervision of one or more members of university staff will be conducted in counseling laboratory and field. A minimum of 25 clock hours actual counseling time required and 30 counseling tapes. Limited to advanced graduate majors in guidance and counseling and consent of instructor.

**CGPS 791 Special Problems in Guidance and Counseling**, 1-3 cr., TBA, Lindstrom



**CGPS 796 Research Project in GC, 2 cr., TBA, Staff**

Individual work. Problem selected analyzed, data gathered and tested statistically. Reported in appropriate research form. Required of all graduate students in Guidance and Counseling qualifying for Master of Education degree under Option "A." P, consent of instructor.

**EdAd 700 Public School Administration, 3 cr., 2:00-3:10, MTWTF, HN 159, Everett**

Organization, administration and services of school systems in state, county, and local districts. Constitutional and statutory provisions. Work and responsibilities of State Board of Education, State Department of Public Instruction, County and Local Boards, and of superintendents and principals. Some attention of financial matters.

**EdAd 715 Elementary and Secondary School Supervision, 3 cr., 8:00-9:00, MTWTF, HN 167, Jensen**

The nature of supervision, evaluation and instruction and teacher performance. Techniques, plans and procedures for improving the course of study and instruction in the public schools.

**EdAd 792 Research Problems in Educational Administration, 2 cr., TBA, Staff**

Individual work. Problem selected, analyzed, data gathered and tested statistically. Reported in approved research form. Required of all graduate students in educational administration qualifying for Master of Education degree under Option "A." P, consent of instructor.

**EdAd 795 Problems in Educational Administration, 1-3 cr., TBA, Staff**

**EdER 511/611 Advanced Educational Measurements, 2 cr., 2:10-3:10, MTTF, Ro B, Staff**

Study of theory and principles of construction and use of standardized measuring instruments used in educational and vocational evaluation. Practice in administration, scoring and interpretation of results. P, consent of instructor.

**EdER 761 Introduction to Graduate Studies, 3 cr., 6:50-8:00, MTWTF, Ro B, Edeburn**

Main objectives are: (a) understanding standard and new research procedures in education (b) acquaintance with up-to-date research on present-day educational problems (c) understanding and using evaluation standards for education research. Required of most graduate majors in education, P, Ed 613 or equivalent.

**EdFn 339 Introduction to American Education, 2 cr., 9:10-10:10, MTTF, Ro B, Edeburn**

Historical, philosophical, and sociological backgrounds for education in America. Aims and functions of American education. Organization and administration on federal, state and local levels in America. Teaching as a profession. An overview of education in American Society for classroom teachers. P, Psc 101, junior standing.

**EIEd 573/673 Elementary School Curriculum, 2 cr., 9:10-10:10, MTTF, Ro F, Widvey**

Nature, principles of curriculum. Trends and modern curriculum development procedures.

**EPsy 302 Educational Psychology, 2 cr., 1:00-2:00, MTTF, Ro F, Foreman**

Nature of the learner, physical, emotional, mental, social growth and development, nature of learning in man, learning theories, learning curves, retention, memory, individual differences, transfer of training and rates and limits of improving learning. Required for certification. P, junior standing: Psc 101.

**EPsy 740 Advanced Educational Psychology, 3 cr., 11:30-12:30, MTWTF, Ro C, Foreman**

Modern psychological theories of education with particular emphasis on the developmental, motivational, learning and adjustment processes of children; evaluate and interpret research findings; developing a set of techniques for studying children and the problems that arise in their education.

**SeEd 405 Audio-Visual Methods and Materials, 2 cr., 8:00-9:00, MTTF, Ro E, Luchsinger**

Characteristics and practical use of visual aids of projection and nonprojection types. Specific laboratory practices in operation of usual projection machines. Sources of supply acquisition and organization of audio-visual materials in school library. P, senior in education.

**SeEd 492 Problems in Education, 1-3 cr., TBA, Staff**

**SeEd 540/640 Secondary School Curriculum, 2 cr., 9:10-10:10, MTTF Ro E, Luchsinger**

Nature and principles of curriculum in secondary schools. Newer trends and modern curriculum development procedures.

**SeEd 582/682 Educational Seminar, 1-3 cr., TBA, Staff**

**SeEd 591/691 Problems in Education, 1-3 cr., TBA, Staff**

**SeEd 792 Research Problem in Education, 2 cr., TBA, Staff**

Individual work. Problem selected, analyzed, data gathered and tested statistically. Reported in appropriate research form. Required of all graduate students in Guidance and Counseling qualifying for Master of Education degree under Option "A." P, consent of instructor.

## (Workshops and Special Events)

**AgEd 505/605 Workshop in Advanced Adult Education, 1 cr., Sec. 2, TBA, (July 5-8), Hanson**

Designed for those individuals who have participated in previous farm management workshops held in 1973 or 1974. The following topics will be considered from an instructional standpoint: record analysis interpretation, record keeping aids, income tax management, methods of depreciation and economic principles for farmers. For more information contact Dr. Clark Hanson, Director of Workshop.

**CGPS 198 Career Planning & Development, Sec. 1, June 7-11, 9:00-4:00, MTWTF; Sec. 2 June 14-18, 9:00-4:00, MTWTF; Sec. 3, June 21-25, 9:00-4:00, MTWTF, Smith**

A course designed to assist students in Career Planning. Development of a process for academic and career decisions in order to maximize college experiences.

**MA 500/600 Special Topics in Teaching Agricultural Mechanics, 1 cr., TBA, Kimmons, Chu**

Soil and Water Mechanics specialized in-service training of four days' duration each at three different locations. Locations dependent upon addresses of participants. West River, July 5-8  
Southeast, July 12-15  
Northeast, July 19-22



## ELECTRICAL ENGINEERING (EE)

### (Eight Week Session)

#### 557/657 Special Topics in Electrical Engineering, 1-3 cr., TBA

Special topics in the field of Electrical Engineering are included. P, consent of department head.

#### 590/690 Special Electrical Problems, 1-3 cr., TBA

Special problem assigned in the field of electrical engineering. P, consent of department head.

#### 790 Thesis in Electrical Engineering, 5-7 cr., TBA

## ENGINEERING (Workshops and Special Events)

#### Engineering Summer Program (ESP) (June 7-July 30)

Students enrolled in this program have the opportunity to take a variety of courses. Credit is earned which applies toward a degree in Engineering. Field trips are included so students have an opportunity to see engineering in action. For information contact the Directors: Assistant Dean Louis Skubic, College of Engineering, Dr. Virgil Ellerbruch, Head of Electrical Engineering.

## ENGINEERING GRAPHICS (EG)

### (Eight Week Session)

#### 121 Engineering Design Graphics I, 2 cr., 9:10-11:20, MTWTF, SoH 208

Analysis of projection. Methods of systematic interpretation and representation of data, problems and 3 dimensional shapes. Functional scales, mathematical charts and graphs. Development of instrument drawing and sketching as a means of design. P, Math 111 or equivalent.

## ENGINEERING MECHANICS (EM)

### (Eight Week Session)

#### 221 Statics, 3 cr., 8:00-9:00, MTWTF, CEH 213

Vector algebra, forces, moments, couples; principles of statics, resultant and equilibrium of force systems, free body diagrams, centroids; analysis of statically determinate states of equilibrium. P, Math 123, Phys 211 or consent.

#### 222 Dynamics, 3 cr., 10:20-11:20, MTWTF, CEH 219

Vectorial kinematics and kinetics; absolute and relative motion, force-mass-acceleration relations, potential and kinetic energy, work, and power, impulse, and momentum, conservation of energy and momentum. Application to particles, particle systems and rigid bodies. Free vibrations of single-degree-of-freedom systems. P, EM 221.

#### 321 Mechanics of Materials, 3 cr., 9:10-10:10, MTWTF, CEH 213

Two dimensional analysis of stress and strain, principles stresses. Mohr's circle; stresses in members subjected to centric, torsional and flexural loadings; deflections of beams. P, EM 221.

#### 331 Fluid Mechanics, 3 cr., 8:00-9:00, MTWTF, CEH 219

Fluid properties, statistics and dynamics of real and ideal fluids; continuity and Navier-Stokes equations applied to laminar and turbulent incompressible flows, boundary layer analysis. Introduction to compressible flow. P, EM 222, Math 321.



## ENGLISH (Engl)

### (First Session)

#### 597/697 Special Studies in Composition and Literature, 3 cr., 1:00-3:10, MTWTF, CEH 218, Foreman

Special studies in various areas of writing, grammar, and literature. May be repeated to total 4 credits. Given only with the permission of the Head of the Department of English.

### (Eight Week Session)

#### 101 Freshman Composition, 3 cr., 11:30-12:30, MTWTF, HN 125, Evans, David

Training in efficient, accurate reading and in clear, effective writing. Instruction is included in standard English grammar, usage, and punctuation.

#### 218 Introduction to Literature, 3 cr., 2:10-3:10, MTWTF, HN 110, Kinyon

Principal literary types—fiction, drama, and poetry—with the purpose of acquainting students with the rewards of reading significant literature. Not accepted for the English major.

#### 300 Junior Composition, 3 cr., Sec. 1, 8:00-9:00, MTWTF, HN 327, Eileen Evans; Sec. 2, 9:10-10:10, MTWTF, HN 327, Walz; Sec. 3, 10:20-11:20, MTWTF, HN 110, E. Evans; Sec. 4, 11:30-12:30, MTWTF, HN 110, Kinyon; Sec. 5, 1:00-2:00, MTWTF, HN 110, Witherington

An advanced course in clear, effective expository writing, with special emphasis on the professional needs of the student. P, 100 or 101 or 191 and junior standing.

#### 303 Advanced Exposition, 3 cr., 10:20-11:20, MTWTF, HN 169, Walz

Study of and practice in writing of a technical nature; expository writing will be stressed. P, 6 hours of composition or permission.

#### 310 Mythology and Literature, 3 cr., 11:30-12:30, MTWTF, HN 167, Witherington

Mythological backgrounds of literature and the ways literature itself contributes to the various mythologies that underlie our culture and shape the assumptions governing our values and behavior.

#### 322 Survey of English Literature, 3 cr., 1:00-2:00, MTWTF, HN 167, Yarbrough

English literature from Beowulf to modern times. Required of minors and open to other students. Not accepted for the English major.

#### 358 Twentieth Century American Poetry, 3 cr., 9:10-10:10, MTWTF, HN 110, David Evans

Development of American poetry in the 20th Century from Frost and the later work of Robinson to the poetry of the present.

#### 525/625 Victorian Literature, 3 cr., 8:00-9:00, MTWTF, HN 110, Yarbrough

The chief writers of British poetry and prose from 1840 to 1900, with emphasis on social and intellectual developments.

#### 595/695 Seminar in American Literature, 3 cr., 10:20-11:20, MTWTF, HN 363, Williams



# interim session — may 10-28

## ART (Art)

ArtS 332 Painting II, 3 cr., TBA, Guastella  
ArtS 396 Undergraduate Course  
Special-Printmaking Workshop, 3 cr.,  
Mayes  
ArtS 399 Welding and Sculpture Workshop,  
3 cr., First Class meeting on May 12 at  
1:00, Regular time: 9:00-4:00, MTWTF,  
Boyd and Svec

## CIVIL ENGINEERING (CE)

CE 106 Elementary Surveying, 3 cr., TBA

## EDUCATION (Ed)

AgEd 506/606 Problems in Agricultural  
Education, 1-3 cr., TBA, Gadda  
AHed 500/600 Special Problems in  
Extension, 2-6 cr., TBA, Everett  
AHed 582/682 Seminar in Adult &  
Continuing Education, 3 cr., Sec. 1,  
9:00-4:00, MTWTF, May 3-21, Everett  
AHed 582/682 Seminar in Adult &  
Continuing Education, 1-3 cr., Sec. 2,  
TBA, Everett

## AHed 591/691 Problems in Adult &

Continuing Education, 1-3 cr., TBA,  
Everett  
CGPS 791 Special Problems in Guidance  
and Counseling, 1-3 cr., TBA,  
Lindstrom  
CGPS 792 Seminar in Current Trends and  
Issues in Counseling, 1 cr., TBA,  
Schmieding  
EdAd 795 Problems in Educational  
Administration, 1-3 cr., TBA, Staff  
SeEd 591/691 Problems in Education, 1-3  
cr., TBA, Staff

## FOREIGN LANGUAGES (FL)

MFL 394 Conversational Spanish for  
Adults, 2 cr., 9:00-10:50, MTWTF, HN  
167

## GENERAL ENGINEERING (GE)

ES 399 Techniques of Welding & Metal  
Forming (for artists), 2 cr., First session  
on May 12 meets at 1:00, Regular time:  
9:00-4:00, MTWTF, Boyd and Svec

## GEOGRAPHY (GEOG)

Geog 380 Field Experience: North Central  
U.S.A., 3 cr., TBA, Opheim  
Geog 390 Special Problems: Dying Death, 1  
cr., TBA, May 10-14, Ro B, Hogan and  
Blazey

## HEALTH SCIENCE (HSc)

HSc 442 Special Problems: Dying and  
Death, 1 cr., TBA, May 10-14, Ro B,  
Hogan and Blazey

## POLITICAL SCIENCE (PoIS)

483 Directed Studies: Field Trip to  
Washington, D.C., 3 cr.

## SPEECH (Sp)

DCom 432 Special Problems in Speech  
Reeducation, 1-2 cr., TBA  
GCom 392 Directed Studies, 1-3 cr., TBA  
MCom 560/660 Special Problems in Radio  
or Television or Film, 1-2 cr., TBA  
SpCm 592/692 Special Problems in Oral  
Interpretation, 1-2 cr., TBA  
SpCm 594/694 Special Problems in Public  
Address, 1-2 cr., TBA  
Thea 590/690 Special Problems in Theatre,  
1-2 cr., TBA

# first session — june 7-july 2

## CHILD DEVELOPMENT AND FAMILY RELATIONS (CDFR)

502/602 Seminar: Psychodynamics of the  
Family, 2 cr., Sec. 1, 10:20-12:30, MTWT  
544/644 American Woman, 2 cr.,  
8:00-10:10, MTWT

## COMPUTER SCIENCE (CSCI)

212 Computer Programming, 1 cr.,  
1:00-2:00, MWF, Harding Hall 300

## ECONOMICS (Econ)

Econ/HE 391 Consumers and the Market, 3  
cr., 1:00-4:20, MTWT, HN 327

## EDUCATION (Ed)

AgEd 470 Summer Experience in  
Agricultural Education, 1-2 cr., TBA,  
Hanson  
AgEd 505/605 Seminar in Agricultural  
Education, 2 cr., 1:00-3:10, MTTF,  
Hanson  
AgEd 506/606 Problems in Agricultural  
Education, 1-3 cr., TBA, Staff  
AgEd 707 Supervised Occupational  
Experience and Student Groups in  
Agricultural Education, 2 cr.,  
10:20-12:30, MTTF, Gadda  
AgEd 792 Research Problems in  
Agricultural Education, 2 cr., TBA, Staff  
AHed 400 field Practice Training in  
Extension, 2-5 cr., TBA, Everett  
AHed 500/600 Special Problems in  
Extension, 2-6 cr., TBA, Everett  
AHed 582/682 Seminar in Adult &  
Continuing Education, Sec. 2, 1-3 cr.,  
TBA, Everett  
AHed 591/691 Problems in Adult &  
Continuing Education, 1-3 cr., TBA,  
Everett  
CGPS 500/600 The Exceptional Child, 3 cr.,  
1:00-3:10, MTWTF, HN 127, Skidmore  
CGPS 736 Appraisal of the Individual, 2 cr.,  
10:20-12:30, MTTF, HN 127, Staff  
CGPS 791 Special Problems in Guidance  
and Counseling, 1-3 cr., TBA,  
Lindstrom  
CGPS 792 Seminar in Current Trends and  
Issues in Counseling, 1 cr., TBA, Staff

EdAd 710 Organization and Administration  
of Elementary Education, 2 cr.,  
1:00-3:10, MTTF, HN 125, Jensen

EdAd 730 School Finance, 2 cr.,  
10:20-12:30, MTTF, HN 327, Scholten

EdAd 735 School Law, 2 cr., 6:50-9:00,  
MTTF, Ro G, Scholten

EdAd 782 Seminar, Sec. 1-3 cr., TBA, Staff  
EdAd 782 Seminar in School Personnel  
Management, Sec. 2, 3 cr., 8:00-10:10,  
MTWTF, HN 127, Betz

EdAd 795 Problems in Educational  
Administration, 1-3 cr., TBA, Staff  
EdFn 530/630 Current Trends in Education,  
2 cr., 1:00-3:10, MTTF, HN 157,  
Luchsinger

EPsy 523/623 Adolescent Psychology, 3 cr.,  
6:50-9:00, MTWTF, HN 159, Vanderpan

SeEd 287 Practicum and Professional  
Laboratory, 2 cr., 10:20-12:30, MTTF,  
HN 159, Widvey

SeEd 492 Problems in Education, 1-3 cr.,  
TBA, Staff

SeEd 582/682 Educational Seminar, 1-3 cr.,  
TBA, Staff

SeEd 591/691 Problems in Education, 1-3  
cr., TBA, Staff

VTTE 525/625 Development of Vocational  
Education Thought and Practice, 3 cr.,  
1:00-3:10, MTWTF, HN 169, Gadda

ENGLISH (Engl)

597/697 Special Studies in Composition  
and Literature, 3 cr., 1:00-3:10, MTWTF,  
CEH 218, Foreman

FOREIGN LANGUAGES (FL)

Span 201 Second-Year Spanish, 3 cr.,  
9:10-11:20, MTWTF, HN 167

Span 490 Directed Study in Spanish, 1-3 cr.,  
TBA

HEALTH, PHYSICAL EDUCATION AND  
RECREATION (HPER)

Hlth 260 Standard First Aid, 1 cr., 8:00-9:00,  
MTWTF, PEC 104

HPER 582/682 Seminar-Statistical HPER, 2  
cr., 8:00-10:10, MTWT, PEC 274

PE 100, Beginning Swimming, Sec. 1, 1 cr.,  
8:00-9:00, MTWTF, NAT

PE 100, Tennis, Sec. 2, 1 cr., 7:45-8:45,  
MTWTF, PEC

PE 100, Golf, Sec. 3, 1 cr., 6:30-7:30,  
MTWTF, PEC

PE 320 Advanced Life Saving, 1 cr.,  
10:20-11:20, MTWTF, NAT

PE 450 Exercise Physiology, 3 cr.,  
10:20-12:30, MTWTF, PEC 289

PE 751 Advanced Evaluation of HPER, 3 cr.,  
1:00-3:10, MTWTF, PEC 274

Recr 742 Advanced Problems in  
Organization and Administration of  
Community Recreation, 2 cr.,  
10:20-12:30, MTWT, PEC 274

## HOME ECONOMICS (HE)

HE/Econ 391 Consumers in the Market, 3  
cr., 1:00-4:20, MTWT, HN 327, Farris

HE 442 Home Management House Lab, 3  
cr., 3:00-5:00, MW, MGT Ho, Westbrook

## MECHANIZED AGRICULTURE (MA)

MA 452 Teaching Agricultural Mechanics, 2  
cr., (1,3), 3:20-5:20, MTTF, AE 131B,  
Kimmons

MA 490 Special Problems in Mechanized  
Agriculture, 1-3 cr., TBA, Staff

MA 512/612 Advanced Farm Machinery, 2  
cr., R, 10:20-11:20, AE 208, L,  
11:30-12:30, MTTF, Young

MA 542/642 Advanced Rural Electrification,  
2 cr., R, 6:50-7:50, AE 208, L, 8:00-9:00,  
MTTF, Kimmons

MUSIC (Mus)

MuAp 100/200 Individual Instruction in  
Voice, 1 cr., TBA

MuAp 300/400 Individual Instruction in  
Voice, 2 cr., TBA

MuAp 110/210 Individual Instruction in  
Keyboard, 1 cr., TBA

MuAp 310/410 Individual Instruction in  
Keyboard, 2 cr., TBA

MuAp 120/220 Individual Instruction in  
Woodwinds, 1 cr., TBA

MuAp 320/420 Individual Instruction in  
Woodwinds, 2 cr., TBA

MuAp 130/230 Individual Instruction in  
Brass, 1 cr., TBA

MuAp 330/430 Individual Instruction in  
Brass, 2 cr., TBA

MuAp 140/240 Individual Instruction in  
Percussion, 1 cr., TBA

MuAp 340/440 Individual Instruction in  
Percussion, 2 cr., TBA

Mus 590/690 Independent Studies,  
Arranging, Sec. 1, 2-3 cr., TBA

Mus 590/690 Independent Studies, Forms &  
Analysis, Sec. 2, 3 cr., 8:00-10:10

Mus 590/690 Independent Studies,  
Counterpoint, Sec. 3, 3 cr., 1:00-3:10

Mus 590/690 Independent Studies, Special,  
Sec. 4, 2-3 cr., TBA

Mus 590/690 Independent Studies, Music  
Education III, Sec. 5, 2 cr., TBA

Mus 591/691 Directed Studies,  
Electronic/Tape Music, Sec. 1, 1-3 cr.,  
TBA

Mus 591/691 Directed Studies, Special,  
Sec. 2, 1-3 cr., TBA

## PHILOSOPHY (Phil)

395 Directed Studies: In Search of a  
Uniquely American Philosophy, 2 cr.,  
9:10-11:20, MTTF, CEH 218

## RURAL SOCIOLOGY (Soc)

Anth 200 General Anthropology, 3 cr.,  
MTWTF, 6:50-8:50, Satterlee

Anth 398 Practicum in Anthropology, 3-12  
cr., TBA, Hannus

Anth 590/690 Special Problems in  
Sociology, 1-3 cr., TBA, Satterlee

Soc 100 Introduction to Sociology, 3 cr.,  
6:50-8:50, MTWTF, Scobey 213,  
Satterlee

Soc 240 Rural Sociology, 2 cr., 9:10-11:10,  
MTWT, AgH B, Dimit

Soc 250 Marriage, 2 cr., 11:30-1:30, MTWT,  
AgH 139, Wagner

Soc 351 Crime and Delinquency, 3 cr.,  
1:00-3:10, MTWTF, AgH B, Anson

Soc 490 Special Problems in Sociology, 1-3  
cr., TBA, Satterlee

Soc 491 Sociology Seminar, 1 cr., TBA, 1st  
meeting June 7, 4:00, Scobey 213,  
Anson

Soc 492 Practicum in Sociology, 3-12 cr.,  
TBA, Faltemier

Soc 712 Sociological Theory I, 3 cr.,  
11:30-1:30, MTWTF, Scobey 213, Riley

Soc 780 Special Problems in Sociology, 1-3  
cr., TBA, Satterlee

Soc 781 Internship in Planning, 1-6 cr., TBA,  
Dimit

Soc 790 Thesis, M.S., TBA

Soc 890 Thesis, Ph.D., TBA

SECRETARIAL SCIENCE (OEd)

134 Card Punch, 1 cr., TBA

SPEECH (Sp)

DCom 432 Special Problems in Speech  
Reeducation, 1-2 cr., TBA

SpCm 101 Fundamentals of Speech, Sec. 1,  
3 cr., 6:50-9:00, MTWTF, SB 114

MCom 560/660 Special Problems in Radio  
or Television or Film, 1-2 cr., TBA

SpCm 552/652 General Semantics, 3 cr.,  
1:00-3:10, MTWTF, SB 114, Ferguson

SpCm 592/692 Special Problems in Oral  
Interpretation, 1-2 cr., TBA

SpCm 594/694 Special Problems in Public  
Address, 1-2 cr., TBA

Thea 590/690 Special Problems in Theatre,  
1-2 cr., TBA



## second session — july 6-30

### EDUCATION (Ed)

- AgEd 470 Summer Experience in Agricultural Education, 1-2 cr., TBA, Hanson
- AgEd 506/606 Problems in Agricultural Education, 1-3 cr., TBA, Gadda
- AgEd 792 Research Problems in Agricultural Education, 2 cr., TBA, Gadda
- AHEd 400 Field Practice Training in Extension, 2-5 cr., TBA, Everett
- AHEd 500/600 Special Problems in Extension, 2-6 cr., TBA, Everett
- AHEd 582/682 Seminar in Adult & Continuing Education, Sec. 2, 1-3 cr., TBA, Everett
- AHEd 591/691 Problems in Adult & Continuing Education, 1-3 cr., TBA, Everett
- CGPS 530/630 Learning Disorders of Children, 3 cr., 1:00-3:10, MTWTF, HN 327, Skidmore
- CGPS 766 Group Counseling, 2 cr., 10:20-12:30, MTTF, HN 327, Ivers
- CGPS 791 Special Problems in Guidance and Counseling, 1-3 cr., TBA, Lindstrom
- CGPS 792 Seminar in Current Trends and Issues in Counseling, 1 cr., TBA, Ivers
- DrEd 370 Driver Education, 3 cr., 9:10-11:20, MTWTF, SoH 202, Nelson
- DrEd 550/650 Safety Education, 3 cr., 1:00-3:10, MTWTF, HN 157, Nelson
- EdAd 732 School Buildings and Grounds, 2 cr., 10:20-12:30, MTTF, HN 159, Betz
- EdAd 782 Seminar, Sec. 1, 1-3 cr., TBA, Staff
- EdAd 782 Seminar in Junior High-Middle School, Sec. 3, 2 cr., 8:00-10:10, MTTF, HN 127, Scholten
- EdAd 795 Problems in Educational Administration, 1-3 cr., TBA, Staff
- EdFn 520/620 Philosophy of Education, 2 cr., 1:00-3:10, MTTF, HN 169, Widvey
- EPsy 551/651 Mental Health and Personality Development, 3 cr., 8:00-10:10, MTWTF, CEH 218, Vanderpan
- SeEd 492 Problems in Education, 1-3 cr., TBA, Staff
- SeEd 582/682 Educational Seminar, 1-3 cr., TBA, Staff
- SeEd 591/691 Problems in Education, 1-3 cr., TBA, Staff
- SeEd 752 Improvement of Reading, 2 cr., 10:20-12:30, MTTF, HN 127, Staff
- SeEd 753 Diagnosis and Remediation of Reading Problems, 2 cr., 1:00-3:10, MTTF, HN 125, Staff
- VTTE 731 Administration and Supervision of Vocational Education, 3 cr., 8:00-10:10, MTWTF, CEH 316, Hanson

### FOREIGN LANGUAGES (FL)

- Span 202 Second-Year Spanish, 3 cr., 9:10-11:20, MTWTF, HN 167
- Span 490 Directed Study in Spanish, 1-3 cr., TBA

### HEALTH, PHYSICAL EDUCATION AND RECREATION (HPER)

- HPER 732 Basic Issues in HPER, 2 cr., 1:00-3:10, MTWT, PEC 274
- HPER 783 Research Methods in HPER, 3 cr., 8:00-10:10, MTWTF, PEC 289
- PE 770 Advanced Problems in Administration of Interscholastic Athletics, 2 cr., 10:20-12:30, MTWT, PEC 274

### HOME ECONOMICS (HE)

- HE 701 Seminar: Seminar in Home Economics, 1 cr., 2:10-4:20, TT, HN 373, Staff
- HED 751 Curriculum in Home Economics Education, 2 cr., 8:00-10:20, MTWT, HN 373

### MUSIC (Mus)

- MuAp 100/200 Individual Instruction in Voice, 1 cr., TBA
- MuAp 300/400 Individual Instruction in Voice, 2 cr., TBA
- MuAp 110/210 Individual Instruction in Keyboard, 1 cr., TBA
- MuAp 310/410 Individual Instruction in Keyboard, 2 cr., TBA
- MuAp 120/220 Individual Instruction in Woodwinds, 1 cr., TBA
- MuAp 320/420 Individual Instruction in Woodwinds, 2 cr., TBA
- MuAp 130/230 Individual Instruction in Brass, 1 cr., TBA
- MuAp 330/430 Individual Instruction in Brass, 2 cr., TBA
- MuAp 140/240 Individual Instruction in Percussion, 1 cr., TBA
- MuAp 340/440 Individual Instruction in Percussion, 2 cr., TBA
- Mus 590/690 Independent Studies, Music Education II, Sec. 1, 2 cr., 8:00-10:10, MTWT
- Mus 590/690 Independent Studies, Pedagogy, Sec. 2, 2 cr., 8:00-10:10, MTWT
- Mus 590/690 Independent Studies, Special, Sec. 3, 2-3 cr., TBA
- Mus 300 Music in American Society, 2 cr., 10:20-12:30, MTWT
- Mus 591/691 Directed Studies, 1-3 cr., TBA

### RURAL SOCIOLOGY (Soc)

- Anth 398 Practicum in Anthropology, 3-12 cr., TBA, Hannus
- Anth 590/690 Special Problems in Anthropology, 1-3 cr., TBA, Satterlee
- Soc 490 Special Problems in Sociology, 1-3 cr., TBA, Satterlee
- Soc 492 Practicum in Sociology, 3-12 cr., TBA, Faltemier
- Soc 780 Special Problems in Sociology, 1-3 cr., TBA, Satterlee
- Soc 781 Internship in Planning, 1-6 cr., TBA, Dimit
- Soc 790 Thesis, M.S., TBA
- Soc 890 Thesis, Ph.D., TBA

### SPEECH (Sp)

- DCom 432 Special Problems in Speech Reeducation, 1-2 cr., TBA
- MCom 560/660 Special Problems in Radio or Television or Film, 1-2 cr., TBA
- SpCm 101 Fundamentals of Speech, Sec. 4, 3 cr., 8:00-10:10, Hoogestraat
- SpCm 592/692 Special Problems in Oral Interpretation, 1-2 cr., TBA
- SpCm 594/694 Special Problems in Public Address, 1-2 cr., TBA
- Thea 590/690 Special Problems in Theatre, 1-2 cr., TBA

## eight-week session

### AGRICULTURAL ENGINEERING (AE)

- 470 Special Topics, 1-4 cr., (1-4, 0-2), TBA, Staff
- 595/695 Special Topics, 1-3 cr., TBA, Staff
- 770 Special Problems in Agricultural Engineering, 1-3 cr., TBA, Staff
- 790 Thesis, 5-7 cr., TBA, Staff

### ANIMAL SCIENCE (AS)

- 591/691 Research Problems, 1-3 cr., TBA
- 592/692 Special Topics, 1-3 cr., TBA
- 731 Experimental Procedure, 2 cr., TBA
- 790 Thesis, M.S., 5-7 cr.,
- 890 Thesis, Ph.D.

### ART (Art)

- ArtS 113 Drawing I, 3 cr., Bunce
- ArtS 123 Design I, 3 cr., Bunce

### AVIATION (Avia)

- 270 Introduction to Aviation, 2 cr., TBA, Paulson
- 272 Basic Flight Training, 2 cr., TBA, Leitzke
- 372 Advanced Flight Training, 2 cr., TBA, Leitzke

### BOTANY-BIOLOGY (Bot-Bio)

- Bio 151 Biology, 3 cr., R, 10:20-11:20, TT, L, 1:00-3:10, TT, Ag H 301
- Bio 371 Genetics, 3 cr., 10:20-11:20, MTWTF, DM 112
- Bot 261 Basic Taxonomy, 4 cr., TBA
- Bot 415 Plant Ecology, 4 cr., TBA
- Bot 790 Thesis, 1-7 cr., TBA

### CHEMISTRY (Chem)

- 110 General Chemistry, 4 cr., Sec. 1, 10:20-11:20, MTWTF, Sh 210, L, Sec. 51, 1:00-4:00, MW, Johnson
- 120 Elementary Organic Chemistry, Sec. 1, 3 cr., 8:00-9:00, MTWTF, Sh 210, Brandwein
- 120 Elementary Organic Chemistry, Sec. 2, 4 cr., 8:00-9:00, MTWTF, Sh 210, L, Sec. 51, 1:00-4:00, MW, Brandwein
- 121 Elementary Organic Chemistry Laboratory, 1 cr., 1:00-4:00, MW, Brandwein
- 260 Elementary Biochemistry, 4 cr., Sec. 1, 8:00-9:00, MTWTF, Sh 212, Sec. 51, 1:00-4:00, TT, Grove
- 591/691 Special Problems, 1-4 cr., TBA, Staff
- 790 Thesis, TBA, Sec. 1, Staff
- 790 Thesis Sustaining, TBA, Sec. 2, Staff

### CHILD DEVELOPMENT AND FAMILY RELATIONS (CDFR)

- 271 Experience in Human Relations, 3 cr., Sec. 1, 9:10-12:40, MTWT, 11:30-12:30, F; Sec. 2, 9:10-12:40, MTWT, 11:30-12:30, F; Sec. 3, 1:00-4:30, MTWT, 11:30-12:30, F, Pug H; Sec. 4, nMTWT, TBA, Staff
- 364 Parent Education and Family Counseling, 2 cr., 1:00-2:00, MTWT, CEH 213, Hepler
- 472 Student Teaching in Preschool Programs I, 4 cr., Sec. 1, 9:10-1:10, MTWT, 11:30-12:30, F; Sec. 2, 9:10-1:10, MTWT, 11:30-12:30, F; Sec. 3, 1:00-5:00, MTWT, 11:30-12:30, F, Pug H; Sec. 4, MTWT, TBA, Staff
- 502/602 Seminar: Children and Families in Crisis, 2 cr., Sec. 2, 1:00-3:10, MTWTF, HN 363, Melby

### CIVIL ENGINEERING (CE)

- 595/695 Special Topics, 1-3 cr., TBA
- 790 Thesis, 1-3 cr., TBA

### DAIRY SCIENCE (DS)

- 490 Special Problems in Dairy Science, 1-3 cr., TBA
- 590/690 Dairy Science Problems, 1-3 cr., TBA
- 790 Thesis, M.S., TBA



## ECONOMICS (Econ)

- Actg 210 Principles of Accounting I, 3 cr., 11:30-12:30, MTWTF, DM 112
- B-Ad 280 Personal Finance, 3 cr., 10:20-11:20, MTWTF, DM 202
- B-Ad 310 Business Finance, 3 cr., 10:20-11:20, MTWTF, DM 208
- B-Ad 350 Business Law I, e cr., 8:00-9:00, MTWTF, DM 112
- Econ 201 Principles of Economics I, 3 cr., 8:00-9:00, MTWTF, DM 208
- Econ 202 Principles of Economics II, 3 cr., 9:10-10:10, MTWTF, DM 208
- Econ 401 Intermediate Macroeconomics, 3 cr., 9:10-10:10, MTWTF, DM 202
- Actg 210 Principles of Accounting I, 3 cr., 11:30-12:30, MTWTF, DM 112
- B-Ad 280 Personal Finance, 3 cr., 10:20-11:20, MTWTF, DM 202
- B-Ad 310 Business Finance, 3 cr., 10:20-11:20, MTWTF, DM 208
- B-Ad 350 Business Law I, 3 cr., 8:00-9:00, MTWTF, DM 112
- Econ 201 Principles of Economics I, 3 cr., 8:00-9:00, MTWTF, DM 208
- Econ 202 Principles of Economics II, 3 cr., 9:10-10:10, MTWTF, DM 208
- Econ 401 Intermediate Macroeconomics, 3 cr., 9:10-10:10, MTWTF, DM 202
- Econ 481 Internship in Economics, 1-12 cr., TBA
- Econ 490 Economic Problems, 1-3 cr., TBA
- Econ 590/690 Special Problems, 1-3 cr., TBA
- Econ 705 Applied Economic Theory, 0-1 cr., TBA
- Econ 730 Economics of the Public Sector, 3 cr., 1:00-2:00, MTWTF, DM 112

## EDUCATION (Ed)

- AgEd 506/606 Problems in Agricultural Education, 1-3 cr., TBA, Staff
- CGPS 410 Principles of Guidance, 2 cr., 1:00-2:00, MTTF, CEH 319, Lindstrom
- CGPS 503/603 Elementary School Guidance, 3 cr., 10:20-12:30, MTWTF, HN 125, Lindstrom
- CGPS 561/661 Theories of Counseling, 3 cr., 8:00-9:00, MTWTF, SoH 202, Schmieding
- CGPS 510/610 Foundations of Guidance and Personnel Services, 2 cr., 1:00-2:00, MTTF, HN 159, Lindstrom
- CGPS 713 Administration and Operation of Guidance and Personnel Services, 3 cr., 3:20-4:20, MTWTF, HN 125, Staff
- CGPS 742 Career Education and Occupational Information, 3 cr., 11:30-12:30, MTWTF, SoH 202, Staff
- CGPS 787 Counseling Laboratory and Supervised Practicum, 3-5 cr., TBA, Schmieding
- CGPS 791 Special Problems in Guidance and Counseling, 1-3 cr., TBA, Lindstrom
- CGPS 796 Research Project in Guidance and Counseling, 2 cr., TBA, Staff
- EdAd 700 Public School Administration, 3 cr., 2:00-3:10, MTWTF, HN 159, Everett
- EdAd 715 Elementary and Secondary School Supervision, 3 cr., 8:00-9:00, MTWTF, HN 167, Jensen
- EdAd 792 Research Problems in Education Administration, 2 cr., TBA, Staff
- EdAd 795 Problems in Educational Administration, 1-3 cr., TBA, Staff
- EdER 511/611 Advanced Educational Measurements, 2 cr., 2:10-3:10, MTTF, Ro B, Staff
- EdER 761 Introduction to Graduate Studies, 3 cr., 6:50-8:00, MTWTF, Ro B, Edeburn
- EdFn 339 Introduction to American Education, 2 cr., 9:10-10:10, MTTF, Ro B, Edeburn
- ElEd 573/673 Elementary School Curriculum, 2 cr., 9:10-10:10, MTTF, Ro F, Widvey
- EPsy 302 Educational Psychology, 2 cr., 1:00-2:00, MTTF, Ro F, Foreman
- EPsy 740 Advanced Educational Psychology, 3 cr., 11:30-12:30, MTWTF, Ro C, Foreman

- SeEd 405 Audio-Visual Methods and Materials, 2 cr., 8:00-9:00, MTTF, Ro E, Luchsinger
- SeEd 492 Problems in Education, 1-3 cr., TBA, Staff
- SeEd 540/640 Secondary School Curriculum, 2 cr., 9:10-10:10, MTTF, Ro E, Luchsinger
- SeEd 582/682 Educational Seminar, 1-3 cr., TBA, Staff
- SeEd 591/691 Problems in Education, 1-3 cr., TBA, Staff
- SeEd 792 Research Problem in Education, 2 cr., TBA, Staff
- ELECTRICAL ENGINEERING (EE)**
- 557/657 Special Topics in Electrical Engineering, 1-3 cr., TBA
- 590/690 Special Electrical Problems 1-3 cr., TBA
- 790 Thesis in Electrical Engineering, 5-7 cr., TBA
- ENGINEERING GRAPHICS (EG)**
- 121 Engineering Design Graphics I, 2 cr., 9:10-11:20, MTWTF, SoH 208
- ENGINEERING MECHANICS (EM)**
- 221 Statics, 3 cr., 8:00-9:00, MTWTF, CEH 213
- 222 Dynamics, 3 cr., 10:20-11:20, MTWTF, CEH 219
- 321 Mechanics of Materials, 3 cr., 9:10-10:10, MTWTF, CEH 213
- 331 Fluid Mechanics, 3 cr., 8:00-9:00, MTWTF, CEH 219
- ENGLISH (Engl)**
- 101 Freshman Composition, 3 cr., 11:30-12:30, MTWTF, HN 125, David Evans
- 218 Introduction to Literature, 3 cr., 2:10-3:10, MTWTF, HN 110, Kinyon
- 300 Junior Composition, 3 cr., Sec. 1, 8:00-9:00, MTWTF, HN 327, Eileen Evans; Sec. 2, 9:10-10:10, MTWTF, HN 327, Walz; Sec. 3, 10:20-11:20, MTWTF, HN 110, Eileen Evans; Sec. 4, 11:30-12:30, MTWTF, HN 110, Kinyon; Sec. 5, 1:00-2:00, MTWTF, HN 110, Witherington
- 303 Advanced Exposition, 3 cr., 10:20-11:20, MTWTF, HN 169, Walz
- 310 Mythology and Literature, 3 cr., 11:30-12:30, MTWTF, HN 167, Witherington
- 322 Survey of English Literature, 3 cr., 1:00-2:00, MTWTF, HN 167, Yarbrough
- 358 Twentieth Century American Poetry, 3 cr., 9:10-10:10, MTWTF, HN 110, David Evans
- 525/625 Victorian Literature, 3 cr., 8:00-9:00, MTWTF, HN 110, Yarbrough
- 595/695 Seminar in American Literature, 3 cr., 10:20-11:20, MTWTF, HN 363, Williams
- ENTOMOLOGY-ZOOLOGY (Ent-Zool)**
- Ent 491 Special Topics in Entomology, 1-3 cr., TBA
- Ent 591/691 Special Topics in Entomology, 1-3 cr., TBA
- Ent 761 Taxonomy of Insect Groups, 1-3 cr., TBA
- Ent 790 Thesis in Entomology, 5-7 cr., TBA
- Zool 221 Anatomy, 3 cr., R, 8:00-9:00, MTWTF, Ro B; L, 2:10-4:20, TT, Thibodeau
- Zool 497 Special Topics in Zoology, 1-3 cr., TBA
- Zool 597/697 Special Topics in Zoology, 1-3 cr., TBA
- Zool 790 Thesis in Zoology, 5-7 cr., TBA
- GENERAL ENGINEERING (GE)**
- 110 Orientation for Engineers, 0 cr., TBA
- GEOGRAPHY (Geog)**
- 212 Geography of North America, 3 cr., MTWTF, 10:20-11:20, Ro B, Hogan
- 383 Cartography, 3 cr., 6:30-9:00 p.m., TT, Adm. 301, Opheim
- 390 Special Problems, Sec. 2, 1-4 cr., TBA, Staff
- 396 Special: Geography of Sport, 3 cr., 1:00-2:00, MTWTF, Ro B, Okrant
- 476 Historical Geography of South Dakota, 3 cr., 9:10-10:10, MTWTF, Adm. 308, Hogan

- 506/606 Seminar in Systematic Geography: Recreational Planning and Development, 3 cr., 11:30-12:30, MTWTF, HN 363, Okrant
- 790 Thesis in Geography, M.S., 1-6 cr., TBA, Staff
- 792 Special Problems in Geography: Topical, 1-4 cr., TBA, Hogan
- HEALTH SCIENCE (HSc)**
- 212 Contemporary Health Problems, 2 cr., 8:00-9:00, MTWTF, HN 125, Blazey
- 443 Public Health Science, 3 cr., 9:10-10:10, MTWTF, HN 125, Blazey
- HISTORY (Hist)**
- 101 World History to 1650, 3 cr., 9:10-10:10, MTWTF, HN 159, Sweeney
- 265 History of the American West, 3 cr., 11:30-12:30, MTWTF, Ro E, Opheim
- 322 Ancient History, 3 cr., 10:20-11:20, MTWTF, Ro E, Bell
- 357 America Between the Wars, 1918-1941, 3 cr., 8:00-9:00, MTWTF, HN 169, Bell
- 447 Modern Germany, 3 cr., 1:00-2:00, MTWTF, Ro E, Crain
- 476 Historical Geography of South Dakota, 3 cr., 9:10-10:10, MTWTF, Adm. 308, Hogan
- 492 Special Problems, 2-4 cr., TBA Adm. 310, Staff
- HOME ECONOMICS (HE)**
- 471 Practicum in Business, 8 cr., TBA
- 482 Practicum in Extension, 8 cr., TBA
- HORTICULTURE-FORESTRY (Ho, F, PR, La)**
- Ho 471 Problems, 1-2 cr., TBA
- La 471 Problems, 1-2 cr., TBA
- PR 471 Problems, 1-2 cr., TBA
- PR 472 Professional Internship in Parks, 3-12 cr., TBA
- F 471 Problems, 1-2 cr., TBA
- JOURNALISM AND MASS COMMUNICATION (J)**
- MCom 313 Publicity Methods, 2 cr., 9:10-10:10, MTWTF, PJ 206S
- MCom 413 Journalism Internship, 1-6 cr., TBA
- MCom 450 Special Problems in Journalism, 1-3 cr., TBA
- MCom 572/672 The Mass Media in Society, 3 cr., 9:10-10:10, MTWTF, PJ 208
- MCom 573/673 Public Relations, 3 cr., 1:00-2:00, MTWTF, PJ 208
- MCom 551/651 Special Problems in Communication, 1-3 cr., TBA
- MCom 790 Thesis, 1-6 cr., TBA
- MATHEMATICS (Math)**
- 111 College Algebra, 3 cr., 6:50-7:50, MTWTF, HN 125
- \*Algebra and Trigonometry, 5 cr., 8:00-8:50, 11:30-12:20, MTWTF, HN 157
- 120 Plane Trigonometry, 3 cr., 9:10-10:10, MTWTF, HN 157
- \*123 Mathematical Analysis I, 5 cr., 8:00-8:50, 11:30-12:20, MTWTF, HN 157
- 225 Mathematical Analysis III, 3 cr., 10:20-11:20, MTWTF, HNB 157
- 321 Differential Equations, 3 cr., 6:50-7:50, MTWTF, HN 157
- \* Either Math 113 or Math 123 will be offered, depending on demand.
- MICROBIOLOGY (Micr)**
- 231 General Microbiology, 4 cr., R, 8:00-9:00, DM 202, L, 9:10-11:20, MTTF, Baker
- 441 Microbiology Problems, 1-3 cr., TBA, Staff
- 790 Thesis in Microbiology, 1-7 cr., TBA, Staff
- MUSIC (Mus)**
- MuEn 100/300 Summer Choir, 1 cr., 7:00 p.m.
- PHILOSOPHY (Phil)**
- 225 Introduction to Ethics, 3 cr., 8:00-9:00, MTWTF, HN 363
- PHYSICS (Phys)**
- 331 Atomic Physics, 3 cr., 9:10-10:10, MTWTF, CEH 319
- PLANT SCIENCE (PS)**
- 490 Special Problems, 1-4 cr., TBA
- 700 Special Topics, 1-6 cr., (1,3), TBA
- 780 Advanced Special Problems, 1-2 cr., TBA
- 790 Thesis, M.S., 5-7 cr., TBA
- 890 Thesis, Ph.D., TBA

## POLITICAL SCIENCE (PoIS)

- 100 American Government, 3 cr., 10:20-11:20, MTWTF, Ro C
- 210 State and Local Government, 3 cr., 9:10-10:10, MTWTF, HN 169
- 356 International Law and Organization, 3 cr., 11:30-12:30, MTWTF, Ro F
- 402 The Legislative Process, 3 cr., 8:00-9:00, MTWTF, CEH 319
- 481 Field Experience and Student Internship in Political Science, 3-9 cr., TBA
- 483 Directed Studies, 4-5 cr., TBA
- 592/692 Special Problems in Political Science, 1-3 cr., TBA

## PSYCHOLOGY (Psyc)

- 101 General Psychology, 3 cr., Sec. 1, 9:10-10:10, MTWTF, Ro C; Sec. 2, 1:00-2:00, MTWTF, Ro G
- 202 Advanced General Psychology, 3 cr., 11:30-12:30, MTWTF, Ro B
- 321 Child Psychology, 3 cr., 6:50-7:50, MTWTF, Ro C
- 331 Business and Industrial Psychology, 3 cr., 9:10-10:10, MTWTF, Ro G
- 358 Behavior Modification, 2 cr., 8:00-9:00, MTWTF, Ro F
- 441 Social Psychology, 3 cr., 1:00-2:00, MTWTF, Ro C
- 451 Psychology of Abnormal Behavior, 3 cr., 10:20-11:20, MTWTF, Ro F
- 488 Practicum for Psychological Technicians, 12 cr., TBA
- 491 Problems in Psychology, 1-3 cr., TBA
- 497 Field Work in Psychology, 3-12 cr., TBA

## RELIGION (Rel)

- 237 Religion in America, 3 cr., 11:30-12:30, MTWTF, HN 169
- 338 World Religions, 3 cr., 10:20-11:20, MTWTF, Ro G

## RURAL SOCIOLOGY (Soc)

- Anth 398 Practicum in Anthropology, 3-12 cr., TBA, Hannus
- Anth 590/690 Special Problems in Anthropology, 1-3 cr., TBA, Satterlee
- Soc 270 Introduction to Social Work, 3 cr., 8:00-9:00, MTWTF, Ro C, Faltemier
- Soc 490 Special Problems in Sociology, 1-3 cr., TBA, Satterlee
- Soc 492 Practicum in Sociology, 3-12 cr., TBA, Faltemier
- Soc 780 Special Problems in Sociology, 1-3 cr., TBA, Satterlee
- Soc 781 Internship in Planning, 1-6 cr., TBA, Dimit
- Soc 790 Thesis, M.S., TBA
- Soc 791 Seminar in Sociology: Sociology of Revolution, 3 cr., 1st meeting, June 7, 3:00, Scobey 213, Hess
- Soc 890 Thesis, Ph.D., TBA

## SECRETARIAL SCIENCE (Oed)

- 131 Transcribing Machines, 1 cr., 10:20-11:20, MW, Wec 01, Lab-TBA
- 132 Duplicating Machines, 2 cr., 11:30-12:30, MW, Wec 01, Lab-TBA

## SPEECH (Sp)

- SpCm 101 Fundamentals of Speech, Sec. 2, 3 cr., 11:30-12:30, MTWTF, SB 114, Staff
- SpCm 101 Fundamentals of Speech, Sec. 3, 3 cr., 9:10-10:10, MTWTF, SB 114, nStaff
- Thea 135 Theatre Activities—Acting, 1 cr., TBA
- Thea 145 Theatre Activities—Technical Theatre, 1 cr., TBA
- Thea 195 Theatre Activities—Special Projects, 1 cr., TBA
- Thea 495 Summer Theatre, 5 cr., TBA
- STATISTICS (Stat)**
- 211 Survey of Statistical Applications, 3 cr., 8:00-9:00, MTWTF, AgH 113
- 341 Statistical Methods I, 3 cr., 10:20-12:30, MTWTF, AgH 113

## WILDLIFE AND FISHERIES SCIENCE (WL)

- 590/690 Special Topics in Wildlife and Fisheries, 1-3 cr., TBA
- 591/691 Wildlife Research Problems, 1-2 cr., TBA
- 790 Thesis in Wildlife, 1-5 cr., TBA



# workshops and special events

## ART (Art)

ArtS 399 Welding and Sculpture Workshop, 3 cr., May 12-28, First Class meeting on May 12 at 1:00, Regular Time: 9:00-4:00, MTWTF, Boyd and Svec

## CIVIL ENGINEERING (CE)

208 Engineering Surveys, 3 cr., TBA, (August)

## EDUCATION (Ed)

CGPS 198 Career Planning and Development, Sec. 1, June 7-11, 9:00-4:00, MTWTF; Sec. 2, June 14-18, 9:00-4:00, MTWTF; Sec. 3, June 21-25, 9:00-4:00, MTWTF, Smith

AgEd 505/605 Workshop in Farm Management, 1 cr., Sec. 3, TBA, June 26-29, Hanson

AgEd 505/605 Workshop in Advanced Adult Education, 1 cr., Sec. 2, TBA, July 5-8, Hanson

MA 500/600 Special Topics in Teaching Agricultural Mechanics, 1 cr., TBA, Kimmons and Chu; West River, July 5-8; Southeast, July 12-15; Northeast, July 19-22

## ENGINEERING

Engineering Summer Program (ESP), June 7- July 30

## GENERAL ENGINEERING (GE)

ES 399 Techniques of Welding & Metal Forming (for artists), 2 cr., May 12-28, First session on May 12 meets at 1:00, Regular time: 9:00-4:00, MTWTF, Boyd and Svec

## GEOGRAPHY (Geog)

380 Field Experience: North Central U.S.A., 3 cr., TBA, May 12-June 2, Opheim

390 Special Problems: Dying and Death, 1 cr., TBA, May 10-14, Ro B, Hogan and Blazey

## Bicentennial Special

## HEALTH, PHYSICAL EDUCATION AND RECREATION (HPER)

PE 581/681 Water Safety Instructor's Workshop, Sec. 1, 1 cr., June 1-5, Getchel

PE 581/681 Tennis Camp, Sec. 2, 1 cr., June 1-3, Anderson

PE 581/681 Swimming and Competitive Diving Camp, Sec. 3, 1 cr., June 6-10, Getchel

PE 581/681 Women's Track and Field Camp, Sec. 4, 1 cr., June 9-11, Marske

PE 581/681 Gymnastics Camp, Sec. 5, 1 cr., June 6-11, Anderson

PE 581/681 Wrestling Camp, Sec. 6, 1 cr., June 6-11, Martin

PE 581/681 Wrestling Camp, Sec. 7, 1 cr., June 13-18, Martin

PE 581/681 Cheerleading Camp, Sec. 8, 1 cr., June 27-July 1, Anderson

PE 581/681 Golf Camp, Sec. 9, 1 cr., June 16-20, Milanovich

PE 581/681 Girl's Basketball Camp (HS), Sec. 10, 1 cr., June 13-18, Boetel

PE 581/681 Milwaukee Bucks Basketball Camp, Sec. 11, 1 cr., June 20-26, Zulk and Milanovich

Recr/PE 581/681 Outdoor Recreation Education Workshop, Sec. 12, 1 cr., June 28-July 1, Williamson

PE 581/681 Football Camp, Sec. 13, 1 cr., July 18-23, Gregory

PE 581/681 Athletic Training Camp and Sports Medicine Camp, Sec. 14, 1 cr., July 19-21, Milton

PE 581/681 Cross Country Camp, Sec. 15, (Non-credit), July 25-31, Dirksen

PE 581/681 Cross Country Coaches Clinic, Sec. 15, (Non-credit), July 26-29, Dirksen

PE 581/681 American Drill Team Camp, Sec. 16, 1 cr., July 25-30, Anderson

PE 581/681 Sportswriting Camp, Sec. 17, 1 cr., June 6-11, Martin

## Workshops to be held at Lee Valley Ranch; Custer, South Dakota 57730

Recr 581/681 Maintenance and Care of Outdoor Recreation Equipment, 1 cr., May 14-16

Recr 581/681 Camp Food and Quantity Cooking, 1 cr., May 21-23

Recr 581/681 Back Packing and Outdoor Survival, 1 cr., May 28-31

## HEALTH SCIENCE (HSc)

442 Special Problems: Dying and Death, 1 cr., TBA, May 10-14, Ro B, Hogan and Blazey

## HISTORY (Hist)

### Bicentennial Special

## HOME ECONOMICS (HE)

500/600 Seminar: AHEA in Session, 1 cr., June 26- July 2, Minneapolis, Staff

701 Workshop: Trends in Home Economics, 2 cr., 10:20-12:30, 1:00-3:20, MTWTF, June 14-25, HN 373, Johnson

## JOURNALSIM AND MASS

### COMMUNICATION (J)

MCom 553/653 Workshop in

Communication, 1-4 cr., TBA

Institute for School Publications: Newspapers and Photography, June 6-12

Yearbooks and Advanced Photography, June 13-19

## MECHANIZED AGRICULTURE (MA)

500/600 Special Topics in Teaching Agricultural Mechanics, 1 cr., TBA, Kimmons and Chu; West River, July 5-8; Southeast, July 12-15; Northeast, July 19-22

## MUSIC (Mus)

All State Music Camp, June 6-13

Mus 591/691 Directed Studies, Instrument Repair Workshop, 1-2 cr., June 14-18

Mus 591/691 Directed Studies, Piano Teacher's Workshop, 1-2 cr., June 21-25

Mus 391 Directed Studies, Improvization Workshop, July 7-11

Mus 591/691 Directed Studies, Directors Marching Band Workshop, 1-2 cr., July 7-11

Percussion Clinic/Workshop, July 7-11

Mus 591/691 Directed Studies, CMP

Workshop, 1-2 cr., Date to be announced

Rushmore Music Camp, August 15-21

Mus 591/691 Directed Studies, Rushmore Directors Course, 1-2 cr., August 15-21

## POLITICAL SCIENCE (PoIS)

483 Directed Studies: Field Trip to Washington, D.C., 3 cr., May 10-30



## ENTOMOLOGY- ZOOLOGY (Ent-Zool)

### (Eight Week Session)

#### **Ent 491 Special Topics in Entomology, 1-3 cr., TBA**

Qualified students may investigate special topics under supervision of department staff in the following and other selected areas: Medical Entomology, Bee Keeping, Acarology, Principles of Insect Taxonomy.

#### **Ent 591/691 Special Topics in Entomology, 1-3 cr., TBA**

Graduate students may conduct advanced research studies or investigate special areas other than those of a strictly taxonomic nature. Permission required.

#### **Ent 761 Taxonomy of Insect Groups, 1-3 cr., TBA**

Taxonomic study of groups of insects. Student prepares report in which he gives technical description, and other information, of group under study. P, Ent 301.

#### **Ent 790 Thesis in Entomology, 5-7 cr., TBA**

#### **Zool 221 Anatomy, 3 cr., R, 8:00-9:00, MTWTF, Ro B; L, 2:10-4:20, TT, Thibodeau**

Structure of various systems of the body as basis for physiology. Models and charts are used with references to skeletons. Injected and embalmed rats are used for a limited amount of dissection. Credit will not be allowed for both Zool 123 and Zool 221.

#### **Zool 497 Special Topics in Zoology, 1-3 cr., TBA**

Qualified students may investigate special topics under supervision of department staff in the following and other selected areas: Human Genetics, Principles of Animal Taxonomy, Helminthology.

#### **Zool 597/697 Special Topics in Zoology, 1-3 cr., TBA**

Qualified students may investigate special topics of Zoological study under supervision of department staff in the following and other selected areas: Zoological Research Problems, Human Genetics, Principles of Animal Taxonomy, Helminthology, History and Philosophy of Zoology, Developmental Genetics.

#### **Zool 790 Thesis in Zoology, 5-7 cr., TBA**

## FOREIGN LANGUAGES (FL)

### (Interim)

#### **MFL 394 Conversational Spanish for Adults, 2 cr., 9:00-10:50, MTWTF, HN 167**

Basic conversational Spanish for the prospective traveler and the public at large. Includes preparation for traveling, reserving rooms, ordering meals, shopping, asking directions, and the like. No knowledge of Spanish or grammar necessary. Instruction based on 16 mm technicolor movies designed for language instruction.

### (First Session)

#### **Span 201 Second-Year Spanish, 3 cr., 9:10-11:20, MTWTF, HN 167**

Aims of first-year Spanish continued. Reading of works of well-known authors, practice in conversing and writing in Spanish. Classwork supplemented with foreign language laboratory. Students enrolling in this course may study concurrently Span 311-312. P, Span 102.

#### **Span 490 Directed Study in Spanish, 1-3 cr., TBA**

Readings and discussions in Spanish as directed by the instructor. May be repeated for credit. P, two years of the language and/or consent.

### (Second Session)

#### **Span 202 Second-Year Spanish, 3 cr., 9:10-11:20, MTWTF, HN 167**

Aims of first-year Spanish continued. Reading of works of well-known authors, practice in conversing and writing in Spanish. Classwork supplemented with foreign language laboratory. Students enrolling in this course may study concurrently Span 311-312. P, Span 201.

#### **Span 490 Directed Study in Spanish, 1-3 cr., TBA**

Readings and discussions in Spanish as directed by the instructor. May be repeated for credit. P, two years of the language and/or consent.

## GENERAL ENGINEERING (GE)

### (Interim)

#### **ES 399 Techniques of Welding and Metal Forming (for artists), 2 cr., First session on May 12 meets at 1:00, Regular time: 9:00-4:00, MTWTF, Boyd, and Svec**

The workshop will not aim at creating master welders, nor will there be time for expanded sculptural concepts. The course will appeal to those with either sculptural skills or welding skills who would like exposure to combining the two areas. Only one project will be required. Students must supply their own metal for the project.

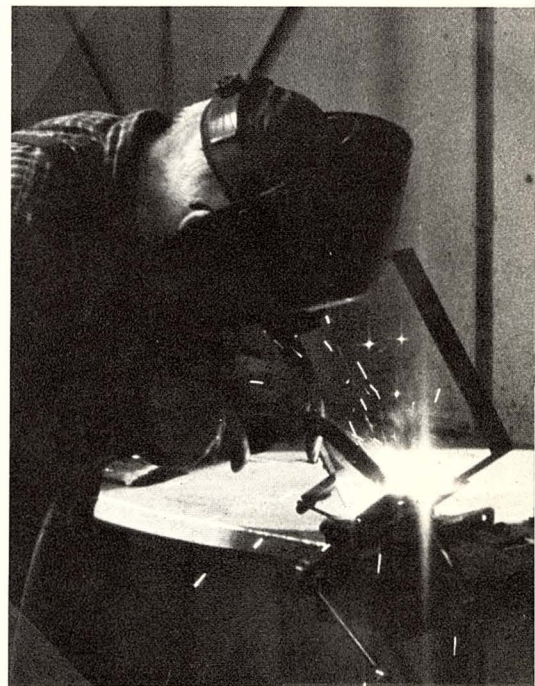
### (Eight Week Session)

#### **GE 110 Orientation for Engineers, 0 cr., TBA**

### (Workshops and Special Events)

#### **ES 399 Techniques of Welding and Metal Forming (for artists), 2 cr., May 12-28, First session on May 12 meets at 1:00 Regular time: 9:00-4:00, MTWTF, Boyd, Svec**

The workshop will not aim at creating master welders, nor will there be time for expanded sculptural concepts. The course will appeal to those with either sculptural skills or welding skills who would like exposure to combining the two areas. Only one project will be required. Students must supply their own metal for the project.





## GEOGRAPHY (Geog)

### (Interim)

**Geog 380 Field Experience: North Central U.S.A., 3 cr., TBA (May 12 to June 2), Opheim**

A traveling classroom designed to enable the student to study the geography and history of the North Central States in the field. Among the various places to be visited and studied are: the Big Horn Mountains, Yellowstone Park, Grand Canyon, Mesa Verde, and Pikes Peak. May be taken for History credit. Interested students should contact Dr. Lee Opheim at 688-4613.

**Geog 390 Special Problems: Dying and Death, 1 cr., TBA, (May 10-14), Ro B, Hogan, Blazey**

A comprehensive look at the areas of dying and death in the American tradition. Some local field experience to be arranged for the total class. May be taken for Health Science credit. Contact Dr. Ed Hogan 688-4511 or Dr. Charles Blazey 688-4106.

### (Eight Week Session)

**Geog 212 Geography of North America, 3 cr., MTWTF, 10:20-11:20, Ro B, Hogan**

The United States and Canada. Physical features and human phenomenon are examined in terms of their contribution to the area.

**Geog 383 Cartography, 3 cr., TT, 6:30-9:00 p.m., Adm 301, Opheim**

History and principles of cartography with emphasis on field mapping, map projections, cartographic design, map interpretations, and exercises in map making.

**Geog 390 Special Problems, Sec. 2, 1-4 cr., TBA, Staff**

Opportunity for qualified students to investigate special problems or carry out independent study under supervision of department staff. Variable credit, may be repeated for up to 12 credits. P, Soph., Jr., or Sr. standing and/or consent.

**Geog 396 Special: Geography of Sport, 3 cr., MTWTF, 1:00-2:00, Ro B, Okrant**

The origin and distribution of American Sport. Geographic patterns are examined and key geographic concepts are applied to sport. The course also explores the world sport scene and major issues of athletic reform.

**Geog 476 Historical Geography of South Dakota, 3 cr., MTWTF, 9:10-10:10, Adm 308, Hogan**

Historical periods of South Dakota and adjacent areas portrayed against their geography background. May be taken as Hist. 476 for History credit.

**Geog 506/606 Seminar in Systematic Geography: Recreational Planning and Development, 3 cr., MTWTF, 11:30-12:30, HN 363, Okrant**

Geographic approach applied to the recreation planning experience. Skill and interpretation of spatial behaviors. The development of recreation facilities which conform to the socio-economic and physical ecologies.

**Geog 790 Thesis in Geography: M.S., 1-6 cr., As Arranged, Staff**

**Geog 792 Special Problems in Geography: Topical, 1-4 cr., TBA, Hogan**

Selected studies in geography to meet the needs of advance students.

### (Workshops and Special Events)

#### Bicentennial Special

The Bicentennial Special is an eight week interdisciplinary summer program presented by the Department of Geography and the Department of History. Its purpose is to afford the student the opportunity to utilize the 200th Anniversary of our nation, as a time to increase ones understanding of our homeland.

The courses included in the Bicentennial Special were selected to provide participants the opportunity to concentrate on various aspects of our nation. **Geog 212** Geography of North America, provides an overview of our nation; **Hist 265** History of the American West, concentrates on the Westward Expansion of the nation; **Hist 357** America period Between the Wars, provides a concentrated examination of a specific period of our nation's history; and **Geog 476** or **Hist 476** Historical Geography of South Dakota provides an examination of the development of our state. Participants may select from two or more of the Bicentennial Special courses. For a description of each course, see the listings for Geography and History in the summer offerings.

For further information contact:

Dr. E. P. Hogan, Department of Geography  
Dr. R. E. Bell, Department of History



# HEALTH, PHYSICAL EDUCATION AND RECREATION (HPER)

## (First Session)

**Hlth 260 Standard First Aid, 1 cr., 8:00-9:00, MTWTF, PEC 104**

First aid knowledge and skills necessary to care for most injuries, to meet most emergencies and also provides accident prevention information. The student will receive the instructor Training Course which will qualify him or her to teach the Standard First Aid and Personal Safety Course.

**HPER 582/682 Seminar-Statistical HPER, 2 cr., 8:00-10:10, MTWT, PEC 274**

**PE 100, Sec. 1, Beginning Swimming, 1 cr., 8:00-9:00, MTWTF, NAT**

**PE 100, Sec. 2, Tennis, 1 cr., 7:45-8:45, MTWTF, PEC**

**PE 100, Sec. 3, Golf, 1 cr., 6:30-7:30, MTWTF, PEC**

**PE 320 Advanced Life Saving, 1 cr., 10:20-11:20, MTWTF, NAT**

Basic skills, knowledge, attitudes and efficiency of life saving. participation leads to American Red Cross Senior Life Saving certification. P, pass qualifying swimming test. May not substitute for PE 100.

**PE 450 Exercise Physiology, 3 cr., 10:20-12:30, MTWTF, PEC 289**

Body processes as they relate to exercise; efficiency of muscular work; fatigue and exercise; age, sex and body type as related to exercise; nervous control of muscular activity; effect of exercise on the circulatory system. P, junior standing.

**PE 751 Advanced Evaluation of HPER, 3 cr., 1:00-3:10, MTWTF, PEC 274**

Advanced techniques for evaluating outcomes of physical education. Practice in test performance and administration. Some laboratory work may be required. P, graduate standing, permission of staff.

**Recr 742 Advanced Problems in Organization and Administration of Community Recreation, 2 cr., 10:20-12:30, MTWT, PEC 274**

Problems related to equipment; establishing programs; budget and finance; selecting and supervising staff; public relations activities. P, graduate standing, permission of staff.

## (Second Session)

**HPER 732 Basic Issues in HPER, 2 cr., 1:00-3:10, MTWT, PEC 274**

Directed reading in recent literature in field; discussion of current problems; critical analysis of recent research. P, graduate standing, permission of staff.

**HPER 783 Research Methods in HPER, 3 cr., 8:00-10:10, MTWTF, PEC 289**

Methods and techniques of research in field, critical analysis of masters and doctors thesis, practice of research techniques. P, graduate standing, permission of staff.

**PE 770 Advanced Problems in Administration of Interschool Athletics, 2 cr., 10:20-12:30, MTWT, PEC 274**

Budgets, public relations problems, subsidization, objectives of athletics, staff organization, control of athletics, both interscholastic and intercollegiate, and general policies of athletics. P, graduate standing, permission of staff.

## (Workshops)

**PE 581/681 Water Safety Instructor's Workshop, Sec. 1, 1 cr., June 1-5, Getchel**

**PE 581/681 Tennis Camp, Sec. 2, 1 cr., June 1-3, Anderson**

**PE 581/681 Swimming and Competitive Diving Camp, Sec. 3, 1 cr., June 6-10, Getchel**

**PE 581/681 Women's Track and Field Camp, Sec. 4, 1 cr., June 9-11, Marske**

**PE 581/681 Gymnastics Camp, Sec. 5, 1 cr., June 6-11 Anderson**

**PE 581/681 Wrestling Camp, Sec. 6, 1 cr., June 6-11, Martin**

**PE 581/681 Wrestling Camp, Sec. 7, 1 cr., June 13-18, Martin**

**PE 581/681 Cheerleading Camp, Sec. 8, 1 cr., June 27-July 1, Anderson**

**PE 581/681 Golf Camp, Sec. 9, 1 cr., June 16-20, Milanovich**

**PE 581/681 Girls Basketball Camp (H.S.), Sec. 10, 1 cr., June 13-18, Boetel**

**PE 581/681 Milwaukee Bucks Basketball Camp, Sec. 11, 1 cr., June 20-26, Zulk and Milanovich**

**Recr/PE 581/681 Outdoor Recreation Education Workshop, Sec. 12, 1 cr., June 28-July 1, Williamson**

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**PE 581/681 Sportswriting Camp, Sec. 17, 1 cr., TBA, Martin**

**Workshops to be held at Lee Valley Ranch; Custer, South Dakota 57730**

**Recr 581/681 Maintenance and Care of Outdoor Recreation Equipment, 1 cr., May 14-16**

**Recr 581/681 Camp Food and Quantity Cooking, 1 cr., May 21-23**

**Recr 581/681 Back Packing and Outdoor Survival, 1 cr., May 28-31**





## HEALTH SCIENCE (HSc)

### (Interim)

**HSc 442 Special Problems: Dying and Death,**  
1 cr., TBA, May 10-14, Ro B

A comprehensive look at the areas of dying and death in the American tradition. Some local field experience to be arranged for the total class. May be taken for Geography credit. Contact Dr. Ed Hogan 688-4511 or Dr. Charles Blazey 688-4106.

### (Eight Week Session)

**HSc 212 Contemporary Health Problems,** 2 cr., 8:00-9:00, MTWT, HN 125, Blazey

Health problems which adults will encounter as a family and community member. Open to all students.

**HSc 443 Public Health Science,** 3 cr., 9:10-10:10, MTWTF, HN 125, Blazey

Organization and administration of public and voluntary health agencies. Principal functions and program development in vital statistics, maternal-child health, adult health, sanitation, health education, and special health programs. Problem solving in fields of public health. Junior or senior standing in nursing. Open to other upper division professional majors with consent.

## (Workshops and Special Events)

**HSc 442 Special Problems: Dying and Death,**  
1 cr., TBA, May 10-14, Ro B

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## HISTORY (Hist) (Eight Week Session)

**101 World History to 1650,** 3 cr., 9:10-10:10, MTWTF, HN 159, Sweeney

Political, social and cultural history of western civilizations from prehistoric times to 1650 A.D.

**265 History of the American West,** 3 cr., 11:30-12:30, MTWTF, Ro E, Opheim

From exploration and colonization of North American continent through closing of the frontier. Includes routes of migration, cattle frontier, mining frontier, Indians, pioneer farmers, mechanized farming, urban frontier, and the effect of the frontier on the American character.

**322 Ancient History,** 3 cr., 10:20-11:20, MTWTF, Ro E, Bell

Primary emphasis on Greece and Rome.

**357 America Between the Wars, 1918-1941,** 3 cr., 8:00-9:00, MTWTF, HN 169, Bell

The U.S. in the period from the end of WW I to America's involvement in WW II. Political, social, economic and intellectual currents in the crucial decades of the 1920's and 1930's.

**447 Modern Germany: Nazi Period,** 3 cr., 1:00-2:00, MTWTF Ro E, Crain

From 1648 to 1815. A detailed examination of German history in the 19th and 20th centuries, with special emphasis on the formation of the German nation, Bismarck, development of the German empire, WW I, rise of Hitler, Nazi Germany and WW II.

**476 Historical Geography of South Dakota,** 3 cr., 9:10-10:10, MTWTF, Ad 308, Hogan

Historical periods of South Dakota and adjacent areas portrayed against their geographical background. May be taken as Geog 459 for Geography credit.

**492 Special Problems,** 2-4 cr., TBA, Ad 310, Staff

Opportunity for qualified students to investigate special problems or carry out independent study under supervision of department staff. Variable credit, may be repeated for up to 8 credits. P, Soph, Jr or Sr standing and/or consent.

## (Workshops and Special Events)

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## HOME ECONOMICS (HE)

### (First Session)

**HE/Econ 391 Consumers in the Market**, 3 cr., 1:00-4:20, MTWT, HN 327, Farris

Factors important to families as purchasing agents and consumers: standardization of goods; grading, branding, labeling, packaging; advertising; consumer practices affecting cost; analysis of programs for consumer protection; the market structure. Principles of maximization of consumer satisfaction. P, junior standing or consent.

**HE 442 Home Management House Lab**, 3 cr., 3:00-5:00, MW MGT Ho Westbrook

One-third semester residence in home management house laboratory with experience in problems that arise in a home. P, 241, NFS 251, senior standing in home economics.

### (Second Session)

**HE 701 Seminar: Seminar in Home Economics**, 1 cr., 3:20-4:20, TT, HN 373, Staff

**HEd 751 Curriculum in Home Economics Education**, 2 cr., 8:00-10:20, MTWT, HN 373

Curriculum in secondary schools of South Dakota and other states. New ideas developed. P, 412 or equivalent. Reservation must be made by May 1.

### (Eight Week Session)

**HE 471 Practicum in Business**, 8 cr., TBA Working under supervision with business concern. Role of home economist in business, company organization and ethics, public relations, use of mass media, special aspects of particular business. Full-time summer session with residence in city where business is located.

**HE 482 Practicum in Extension**, 8 cr., TBA Working under supervision in a county extension office. The role of the extension home economist, organization and philosophy of the Cooperative Extension Service, public relations, use of mass media, program development and teaching in extension with both youth and adults. Full-time summer session with residence in a county seat town.

## (Workshops)

**HE 500/600 Seminar: AHEA in Session**, 1 cr., June 26-July 2, Minneapolis, Staff

For students attending AHEA National Convention in Minneapolis. Discussion of papers presented, examination of the profession's national functioning and students' potential professional contributions. Reservation must be made by May 1.

**HE 701 Workshop: Trends in Home Economics**, 2 cr., 10:20-12:30, 1:00-3:20, MTWTF, June 14-25, HN 373, Johnson  
Experiencing techniques for teaching value clarification and interpersonal relationships. Training in use of new L.I.F.E. handbook. Reservation must be made by May 1.

## HORTICULTURE-FORESTRY (Ho, F, PR, La)

### (Eight Week Session)

**Ho 471 Problems**, 1-2 cr., TBA  
Special investigation for students. Maximum four hours credit. P, consent of instructor.

**La 471 Problems**, 1-2 cr., TBA  
Special investigations in landscape design. Maximum of four hours credit. P, consent of instructor.

**PR 471 Problems**, 1-2 cr., TBA  
Investigations in park management. Maximum of four hours credit. P, consent of instructor.

**PR 472 Professional Internship in Parks**, 3-12 cr., TBA  
Supervised training in actual on-site situations. Visit and study typical municipal, state and federal parks. P, GPA 2.4 and consent of instructor.

**F471 Problems**, 1-2 cr., TBA  
Special investigations in forestry. Maximum of four hours credit. P, consent of instructor.



## JOURNALISM AND MASS COMMUNICATION (J)

### (Eight Week Session)

**MCom 313 Publicity Methods**, 2 cr., 9:10-10:10, MTWT, PJ 206S  
News writing, organizing publicity campaigns, press relations. For students expecting to become county agents, home economics leaders or teachers. Not open to students who take 210.

**MCom 413 Journalism Internship**, 1-6 cr., TBA  
Supervised experience. P, consent of department. Open only to upper division journalism students.

**MCom 450 Special Problems in Journalism**, 1-3 cr., TBA  
Specialized study in journalism topics and issues. P, senior standing.

**MCom 572/672 The Mass Media in Society**, 3 cr., 9:10-10:10, MTWTF, PJ 208  
Nature and history of the rights and responsibilities of the press; the relation of the mass media to individuals and to society; the role of the media in a free society.

**MCom 573/673 Public Relations**, 3 cr., 1:00-2:00, MTWTF, PJ 208  
Principles, methods and techniques of interpreting institutional and industrial policies and programs to the public.

**MCom 551/651 Special Problems in Communication**, 1-3 cr., TBA  
Individual research and study in communication. P, consent of Department Head.

**MCom 790 Thesis**, 1- cr., TBA

### (Workshops and Special Events)

**MCom 553/653 Workshop in Communication**, 1-4 cr., TBA  
Specialized workshop sessions on selected problems, topics, methods and techniques in journalism and communication. Sessions will be designed for journalism practitioners, high school or college instructors and publication advisors.

**Institute for School Publications Newspapers and Photography**, June 6-12  
**Yearbooks and Advanced Photography**, June 13-19

A workshop to train students to improve their school publications by acquainting them with sound principles of planning and editing high school newspapers and yearbooks and producing good photography for publications. Instruction by SDSU Journalism and Mass Communication staff supplemented by experienced instructors and lectures from various college and high school journalism departments and the professional media. Lectures, demonstrations, round tables, labs, and consultation. Planned recreation and social events, including final awards banquet.



## MATHEMATICS (Math)

### (Eight Week Session)

**Math 111 College Algebra**, 3 cr., 6:50-7:50, MTWTF, HN 125

Set concepts, basic properties of real numbers, factoring of polynomials, solution of linear and quadratic equations, inequalities, systems of equations, exponents and radicals, determinants, permutations and combinations. P, 1 unit of high school algebra.

**\*Math 113 Algebra and Trigonometry**, 5 cr., 8:00-8:50, 11:30-12:20; MTWTF, HN 157

Real numbers and elementary properties, sets, functions and graphs, quadratic equations, trigonometric functions, trigonometric equations, periodicity, inverse functions, mathematical induction, complex numbers, partial fractions, determinants, logarithms, and theory of equations. P, 1½ units of high school algebra. Credit will not be allowed for both 113 and the 111-120 series.

**Math 120 Plane Trigonometry**, 3 cr., 9:10-10:10; MTWTF, HN 157

Functions of acute angles; trigonometric functions, equations and identities; exponential and logarithmic functions. Computations with logarithms, solution of right and oblique triangles and other application of these functions. P, 111 or equivalent.

**\*Math 123 Mathematical Analysis I**, 5 cr., 8:00-8:50, 11:30-12:20; MTWTF, HN 157

Analysis of straight line, limits, derivatives of algebraic functions, maxima and minima, rates, curve tracing, differentials, integration. Mean Value Theorem, definite integrals, polar curves, conic sections, topics in solid analytic geometry, transcendental functions. L'Hopital's rule, partial derivatives, length of arc, multiple integrals, hyperbolic function, infinite series, vectors, and application. P, 2 units of high school algebra and ½ unit of Trigonometry along with good high school record, or Math 113.

**Math 225 Mathematical Analysis III**, 3 cr., 10:20-11:20; MTWTF, HN 157

Analysis of straight line, limits, derivatives of algebraic functions, maxima and minima, rates, curve tracing, differentials, integration. Mean Value Theorem, definite integrals, polar curves, conic sections, topics in solid analytic geometry, transcendental functions. L'Hopital's rule, partial derivatives, length of arc, multiple integrals, hyperbolic function, infinite series, vectors, and application. P, 2 units of high school algebra and ½ unit of Trigonometry along with good high school record, or Math 113.

**Math 321 Differential Equations**, 3 cr., 6:50-7:50, MTWTF, HN 157

Differential equations with applications in fields of geometry, mechanics, and physics P, 225.

\*Either Math 113 or Math 123 will be offered, depending on demand.

## MECHANIZED AGRICULTURE (MA)

### (First Session)

**452 Teaching Agricultural Mechanics**, 2 cr.,

(1-3), 3:20-5:20 MTTF, AE 131B, Kimmons  
Methods of teaching agricultural mechanics including shop management, safety, shop plans, selection, care, and use of hand and power tools and equipment to be taken as part of student teaching block in Agricultural Education. P, senior in Agricultural Education.

**490 Special Problems in Mechanized Agriculture**, 1-3 cr., TBA, Staff

Special problems in Mechanized Agriculture with engineering implication for studying, investigating, and reporting where satisfactory solutions must be written up in final report. Selection and completion of special problems does not require background of professional engineering courses and is limited to non-engineering students. Must have approval of advisor and head of department.

**512/612 Advanced Farm Machinery**, 2 cr., R, 10:20-11:20; MTTF, AE 208; L, 11:30-12:30; MTTF, Young

Operation, care, adjustment, new developments in farm machinery, with emphasis on field and farmstead machinery as related to needs of agricultural production.

**542/642 Advanced Rural Electrification**, 2 cr., R, 6:50-7:50; MTTF, AE 208; L, 8:00-9:00; MTTF, Kimmons

Operation, selection, care, adjustment and new developments in rural electric equipment; motors, fans, controls, wiring, pumps, grain handling equipment, and home and classroom lighting.

### (Workshops and Special Events)

**500/600 G Special Topics in Teaching Agricultural Mechanics**, 1 cr., TBA, Kimmons, Chu

Soil and Water Mechanics specialized in-service training of four days' duration each at three different locations. Locations dependent upon addresses of participants.

West River, July 5-8

Southeast, July 12-15

Northeast, July 19-22

## MICROBIOLOGY (Micr)

### (Eight Week Session)

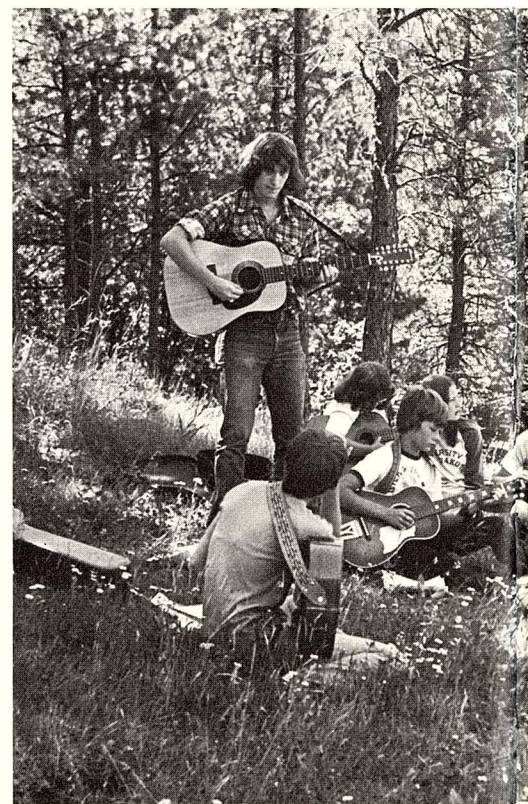
**Micr 231 General Microbiology**, 4 cr., R, 8:00-9:00 DM 202; L, 9:10-11:20, MTTF, Baker

General principles of basic and applied Microbiology. P, Chem 100, 110 or 112.

**Micr 441 Microbiology Problems**, 1-3 cr., TBA, Staff

Research problem in Microbiology. 6 credits maximum. P, Consent.

**Micr 790 Thesis in Microbiology**, 1-7 cr., TBA, Staff





## MUSIC (Mus)

### (First Session)

- MuAp 100/200 Individual Instruction in Voice, 1 cr., TBA  
MuAp 300/400 Individual Instruction in Voice, 2 cr., TBA  
MuAp 110/210 Individual Instruction in Keyboard, 1 cr., TBA  
MuAp 310/410 Individual Instruction in Keyboard, 2 cr., TBA  
MuAp 120/220 Individual Instruction in Woodwinds, 1 cr., TBA  
MuAp 320/420 Individual Instruction in Woodwinds, 2 cr., TBA  
MuAp 130/230 Individual Instruction in Brass, 1 cr., TBA  
MuAp 330/430 Individual Instruction in Brass, 2 cr., TBA  
MuAp 140/240 Individual Instruction in Percussion, 1 cr., TBA  
MuAp 340/440 Individual Instruction in Percussion, 2 cr., TBA  
Mus 590/690 Independent Studies, Sec. 1, Arranging, 2-3 cr., TBA  
Mus 590/690 Independent Studies, Sec. 2, Forms and Analysis, 3 cr., 8:00-10:10  
Mus 590/690 Independent Studies, Sec. 3, Counterpoint, 3 cr., 1:00-3:10  
Mus 590/690 Independent Studies, Sec. 4, Special, 2-3 cr., TBA  
Mus 590/690 Independent Studies, Sec. 5, Music Education III, 2 cr., TBA  
Mus 591/691 Directed Studies, Sec. 1, Electronic/Tape Music, 1-3 cr., TBA  
Mus 591/691 Directed Studies, Sec. 2, Special, 1-3 cr., TBA

### (Second Session)

- MuAp 100/200 Individual Instruction in Voice, 1 cr., TBA  
MuAp 300/400 Individual Instruction in Voice, 2 cr., TBA  
MuAp 110/210 Individual Instruction in Keyboard, 1 cr., TBA  
MuAp 310/410 Individual Instruction in Keyboard, 2 cr., TBA  
MuAp 120/220 Individual Instruction in Woodwinds, 1 cr., TBA  
MuAp 320/420 Individual Instruction in Woodwinds, 2 cr., TBA  
MuAp 130/230 Individual Instruction in Brass, 1 cr., TBA  
MuAp 330/430 Individual Instruction in Brass, 2 cr., TBA  
MuAp 140/240 Individual Instruction in Percussion, 1 cr., TBA  
MuAp 340/440 Individual Instruction in Percussion, 2 cr., TBA  
Mus 590/690 Independent Studies, Sec. 1, Music Education II, 2 cr., 10:20-12:30, MTWT  
Mus 590/690 Independent Studies, Sec. 2, Pedagogy, 2 cr., 8:00-10:10, MTWT  
Mus 590/690 Independent Studies, Sec. 3, Special, 2-3 cr., TBA  
Mus 300 Music in American society, 2 cr., 10:20-12:30, MTWT  
Blues, jazz and rock in American Society—musicological, economical and sociological implications of the phenomenon of this aspect of American Music. Elective. Open to all students. (Does not fulfill music major requirements.) (Extension of Mus 100).  
Mus 591/691 Directed Studies, 1-3 cr., TBA

### (Workshops)

- All State Music Camp, June 6-13  
Junior and Senior High School Students  
Mus 591/691 Directed Studies, Instrument Repair Workshop, 1-2 cr., June 14-18  
Mus 591/691 Directed Studies, Piano Teacher's Workshop, 1-2 cr., June 21-25  
Mus 391 Directed Studies, Improvization Workshop, July 7-11  
Junior and Senior High School Students.  
Mus 591/691 Directed Studies, Directors Marching Band Workshop, 1-2 cr., July 7-11  
Percussion Clinic/Workshop, July 7-11  
Junior and Senior High School Students and Directors  
Mus 591/691 Directed Studies, CMP Workshop, 1-2 cr., Date to be announced  
High School and College Teachers. Theory Course.  
Rushmore Music Camp, August 15-21  
High School Students  
Mus 591/691 Directed Studies, Rushmore Directors Course, 1-2 cr., August 15-21  
For Public School Music Teachers.

### (Eight Week Session)

- MuEn 100/300 Summer Choir, 1 cr., 7:00 p.m.





## PHILOSOPHY (Phil)

### (First Session)

**395 Directed Studies: In Search of a Uniquely American Philosophy**, 2 cr., 9:10-11:20, MTTF, CEH 218

Essentially this course is designed to give a brief overview of Pragmatism, which has been described as the only uniquely American philosophical movement. However, the attempt will also be made to see what philosophical vision may lie hidden in the student's own experiences and understanding of the world. The course will not presuppose previous philosophical course work.

### (Eight Week Session)

**225 Introduction to Ethics**, 3 cr., 8:00-9:00, MTWTF, HN 363

Essentially, an investigation into the reality and legitimacy of morality. The distinction between the subjective and the objective, the absolute and the relative provide basic topics for study. Ultimately, the course attempts to lay some formation for an understanding of the place and meaning of values in human experience.

## RELIGION (Rel)

### (Eight Week Session)

**237 Religion in America**, 3 cr., 11:30-12:30, MTWTF, HN 169

Analysis in historical perspective of the major religious movements in the United States; Judaism, Protestantism, Roman Catholicism, with particular emphasis upon their cultural context and relationship to American life and thought—past, present, and future.

**338 World Religions**, 3 cr., 10:20-11:20, MTWTF, Ro G

**Major world faiths, today; Hinduism, Buddhism, Confucianism, Taoism, Judaism, Islam, Christianity, and possible developments in the modern world.**

## PHYSICS (Phys)

### (Eight Week Session)

**331 Atomic Physics**, 3 cr., 9:10-10:10, MTWTF, CEH 319

Evaluation of experimental evidence concerning atomic and nuclear structure with emphasis on impact of twentieth century developments on science and engineering. P, 213 and consent of instructor.

## PLANT SCIENCE (PS)

### (Eight Week Session)

**PS 490 Special Problems**, 1-4 cr., TBA

Assigned readings, research, written reports, crop or soil judging. Limit of four hours in each major for B.S. degree. P, Consent of instructor.

**PS 700 Special Topics**, 1-6 cr. (1, 3 per credit), TBA

Advanced study of one or more selected topics: 1. Biometrical Genetics, 2. Experimental Design, 3. Mycology, 4. Nematology, 5. Phytobacteriology, 6. Plant Breeding, 7. Soil Chemistry, 8. Soil Fertility, 9. Soil Genesis, 10. Soil Mineralogy, 11. Soil Physics, 12. Virology, 13. Weed Control, 14. Cytogenetic Applications, 15. Teaching Experience (2 cr. Maximum). P, Consent of instructor for all Special Topics.

**PS 780 Advanced Special Problems**, 1-2 cr., TBA

Advanced study and research in crops, plant pathology, and soils. P, Consent of instructor.

**PS 790 Thesis, M.S.**, 5-7 cr., TBA

**PS 890 Thesis, Ph.D.** TBA

## POLITICAL SCIENCE (PoIS)

### (Interim)

**483 Directed Studies: Field Trip to Washington, D.C.**, 3 cr., May 10-30

A study of Congress and other political institutions in Washington. Major attention will be paid to Congressional committees, floor debate, procedures, staff, elections, and reform. Two weeks of the course will involve study in Washington, D.C. with one week at SDSU. Travel to Washington by air, \$50 deposit required by March 15. For information contact: H. E. Cheever, Political Science Department, 688-5028. Consent.

### (Eight Week Session)

**100 American Government**, 3 cr., 10:20-11:20, MTWTF, Ro C

Origins and development of our government at the national level: democratic theory, the Constitution, civil rights, representation, citizenship and the suffrage, political parties, pressure groups, public opinion, propaganda, Congress, Presidency, and the courts.

**210 State and Local Government**, 3 cr., 9:10-10:10, MTWTF, HN 169

Legal status, forms and functions, interrelationships, current trends and suggested reforms. Examples drawn from South Dakota.

**356 International Law and Organization**, 3 cr., 11:30-12:30, MTWTF, Ro F

System of rules purporting to regulate conduct of nation—states and development of machinery of international cooperation with particular reference to United Nations.

**402 The Legislative Process**, 3 cr., 8:00-9:00, MTWTF, CEH 319

Congress and state legislatures: functions, organization, leadership, procedures, and participants. Influence of chief executives, bureaucracies, interest groups, and political parties. P, 100 (or 101), or 210 or consent.

**481 Field Experience and Student Internship in Political Science**, 3-9 cr., TBA

Approximately one credit for each week spent in internships or special projects off campus. Written reports and a final oral examination will be required. Application for permission to register for Practicum must be made one semester in advance. Open only to junior or senior Political Science majors with approval of department staff. Will not count toward meeting the minimum requirement in the major. May be repeated until 12 credits are earned. Graded S or U.

**483 Directed Studies**, 4-5 cr., TBA

**592/692 Special Problems in Political Science**, 1-3 cr., TBA

Individual guided research culminating in formal research paper. May be repeated until 6 credits are earned.

### (Workshops and Special Events)

**483 Directed Studies: Field Trip to Washington, D.C.**, 3 cr., May 10-30  
See above description.



## PSYCHOLOGY (Psysc)

### (Eight Week Session)

**101 General Psychology**, 3 cr., Sec. 1, 9:10-10:10, Ro C; Sec. 2, 1:00-2:00, MTWTF, Rotunda, G

Fundamental concepts of development, learning, motivation, emotion, frustration, personality and other basic behavioral processes. Prerequisite for all courses in psychology except 102.

**202 Advanced General Psychology**, 3 cr., 11:30-12:30, MTWTF, Rotunda B

Contemporary research related to psychological concepts expounded in Psysc 101 and 102. P, 101 or 102.

**321 Child Psychology**, 3 cr., 6:50-7:50, MTWTF, Rotunda C

Physical, social emotional and intellectual aspects of the development of children. May be counted as an educational elective. P, 101 or 102.

**331 Business and Industrial Psychology**, 3 cr., 9:10-10:10, MTWTF Rotunda G

Application of psychological principles to such problems as employee selection, supervision, job satisfaction, work efficiency and human engineering. P, 101 or 102.

**358 Behavior Modification**, 2 cr., 8:00-9:00, MTWT, Rotunda F

The practical application of principles of learning to the modification of behavior. P, 101 or 102.

**441 Social Psychology**, 3 cr. 1:00-2:00, MTWTF, Rotunda C

Basic principles, concepts and methods utilized in analyzing the interaction of individual and group. P, 101 or 102.

**451 Psychology of Abnormal Behavior**, 3 cr., 10:20-11:20, MTWTF, Rotunda F

Principles of normal and abnormal personality development. Emphasis on causative factors, symptoms and treatment of major forms of abnormal behavior, including neurosis, psychosis and the psychophysiological disorders. P, 101 or 102.

**488 Practicum for Psychological Technicians**, 12 cr., TBA

Supervised training and experience at an institution for behavior disorders or mental deficiency. For majors in the Psychological Technician curriculum. P, minimum GPA of 2.2, consent of program coordinator and approval of institutional supervisor.

**491 Problems in Psychology**, 1-3 cr., TBA

Opportunity to investigate special problems or carry out independent study under supervision of department staff. P, 101 or 102, outline of proposed work and consent of supervising staff member. May be repeated for a total of 6 credits.

**497 Field Work in Psychology**, 3-12 cr., TBA

## RURAL SOCIOLOGY (Soc)

### (First Session)

**Anth 200 General Anthropology**, 3 cr., MTWTF, 6:50-8:50, Satterlee

Physical anthropology, archaeology and linguistics, analysis of concepts of society and culture. Emphasis on nonliterate people of the world. P, Soc 100.

**Anth 398 Practicum in Anthropology**, 3-12 cr., TBA, Hannus

**Anth 590/690 Special Problems in Sociology**, 1-3 cr., TBA, Satterlee

Advanced work or special problems in such areas as population, marriage and family, rural sociology, criminology, social organization or urban sociology. P, open to graduate students with sufficient background and consent of instructor.

**Soc 100 Introduction to Sociology**, 3 cr., 6:50-8:50, MTWTF, Scobey Hall 213, Staff

Prerequisite to most courses numbered above 100. Comprehensive study of society, with analysis of group life, and other forces shaping human behavior.

**Soc 240 Rural Sociology**, 2 cr., 9:10-11:10, MTWT, Ag H B, Dimit

Rural society, rural communities, population composition and trends, social processes; social participation in rural organizations and agencies; and changing relationship between country and city in contemporary society. P, 100.

**Soc 250 Marriage**, 2 cr., 11:30-1:30, MTWT, Ag H 139, Wagner

Courtship and marriage period given special emphasis. Mate selection problems, adjustments in marriage, reproduction, child-parent relations, divorce, and later years of marriage.

**Soc 351 Crime and Delinquency**, 3 cr., 1:00-3:10, MTWTF, Ag H B, Anson

Nature and causes of crime. Theories of punishment. Agencies and methods of arrest, conviction, and segregation of criminals. Jails, prisons and reformatories. Probation and parole. P, 100.

**Soc 490 Special Problems in Sociology**, 1-3 cr., TBA, Satterlee

Opportunity for qualified majors and minors to investigate special problems or carry out independent study under supervision of department staff. P, major or minor and junior or senior standing. Maximum of 6 cr. for B.S. degree.

**Soc 491 Sociology Seminar**, 1 cr., TBA, 1st meeting June 7, 4:00 Scobey 213, Anson

The opportunity for extensive work in a selected area of sociology including special investigation, reports and discussion. Limit three credits. Senior major.

**Soc 492 Practicum in Sociology**, 3-12 cr., TBA, Faltemier

Credit rendered for internships or special projects off campus. Written reports and a final examination (oral or written) will be required. Application for permission to register must be made one semester in advance. Credit will not count toward meeting the minimum requirements of the major. May be repeated until 12 credits are earned. Graded S or U. P, Jr. or Sr. standing and Sociology major.

**Soc 712 Sociological Theory I**, 3 cr., 11:30-1:30, MTWTF, Scobey Hall 213, Riley

Critical examination of the main schools of sociological theory beginning with the system of Auguste Comte and ending with World War II. P, 301 or consent.

**Soc 780 Special Problems in Sociology**, 1-3 cr., TBA, Satterlee

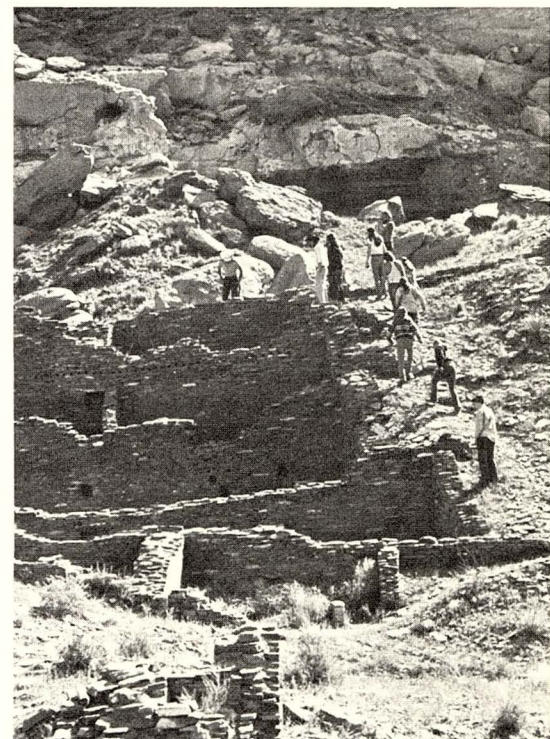
Advanced work or special problems in such areas as population, marriage and family, rural sociology, criminology, social organization or urban sociology. P, open to graduate students with sufficient background and consent of instructor.

**Soc 781 Internship in Planning**, 1-6 cr., TBA, Dimit

Credit rendered for internship or special field projects off campus. Written reports and final examination (oral or written) will be required. Application for permission to register must be made one semester in advance. May be repeated until 6 credits are earned. Grades S or U. P, Master's candidacy in Sociology (Planning Option).

**Soc 790 Thesis, M.S.**, TBA

**Soc 890 Thesis, Ph.D.**, TBA





## (Second Session)

**Anth 398 Practicum in Anthropology, 3-12 cr., TBA, Hannus**  
See description under First Session.

**Anth 590/690 Special Problems in Anthropology, 1-3 cr., TBA, Satterlee**  
See description under First Session

**Soc 490 Special Problems in Sociology, 1-3 cr., TBA, Satterlee**  
See description under First Session

**Soc 492 Practicum in Sociology, 3-12 cr., TBA, Faltemier**  
See description under First Session

**Soc 780 Special Problems in Sociology, 1-3 cr., TBA, Satterlee**  
See description under First Session.

**Soc 781 Internship in Planning, 1-6 cr., TBA, Dimit**  
See description under First Session.

**Soc 790 Thesis, M.S., TBA**

**Soc 890 Thesis, Ph.D. TBA**

## (Eight Week Session)

**Anth 398 Practicum in Anthropology, 3-12 cr., TBA, Hannus**  
See description under First Session.

**Anth 590/690 Special Problems in Anthropology, 1-3 cr., TBA, Satterlee**  
See description under First Session.

**Soc 270 Introduction to Social Work, 3 cr., 8:00-9:00, MTWTF, Ro C, Faltemier**  
Social case work, and social services for children, the family, the aged, public welfare clients, the mentally ill, criminals the school and the community. P, 100.

**Soc 490 Special Problems in Sociology, 1-3 cr., TBA, Satterlee**  
See description under First Session.

**Soc 492 Practicum in Sociology, 3-12 cr., TBA, Faltemier**  
See description under First Session.

**Soc 780 Special Problems in Sociology, 1-3 cr., TBA, Satterlee**  
See description under First Session.

**Soc 781 Internship in Planning, 1-6 cr., TBA, Dimit**  
See description under First Session.

**Soc 790 Thesis, M.S., TBA**

**Soc 791 Seminar in Sociology: Sociology of Revolution, 3 cr., 1st meeting, June 7, 3:00**  
Scobey 213, Hess

**Soc 890 Thesis, Ph.D. TBA**

## (Workshops and Special Events)

**Anth 398 Practicum in Anthology 3-12 cr., TBA, Hannus, May 10 - July 5**

Applications are currently being accepted for enrollment in a summer field practicum in plains archaeology. The course is offered jointly through **South Dakota State University (Brookings)** and **The University of South Dakota (Vermillion)**. The course may be taken for **Undergraduate** or **Graduate** credit (8 semester hours).

**Area:** The heath site 39LN15 is within easy access of Sioux Falls, South Dakota.

**Accommodations:** Living quarters will be in a **tent camp** (a knowledge of camping will be helpful). Meals will be provided as part of the total cost.

**Description:** The course will be structured to provide a practical/working experience in the study of past culture. Special attention will be focused on methodology and techniques available to archaeologists to include the theoretical rational leading to sound interpretations of the structure of extinct cultures.

**Field Laboratory:** Techniques for the preparation of artifact materials, plus field mapping, photography in the field situation.

Enrollment will be limited.

### FOR FURTHER INFORMATION PLEASE WRITE OR CONTACT:

L. Adrien Hannus, Co-Field Director  
Dept. of Rural Sociology  
South Dakota State University  
Brookings, South Dakota 57006  
(605) 688-4132

## SECRETARIAL SCIENCE (OEd)

### (First Session)

**134 Card Punch, 1 cr., TBA**  
Operation of IBM Card Punch. Development of basic understanding of relationship to computing equipment. P, 112 or consent.

### (Eight Week Session)

**131 Transcribing Machines, 1 cr., 10:20-11:20, MW, Wec 01, Lab, TBA**  
Tape, record and belt-type dictating and transcribing machine operation. P, 112 or equivalent.

**132 Duplicating Machines, 2 cr., 11:30-12:30, MW, Wec 01, Lab, TBA**  
Stencil, spirit, offset, and photo-copy duplicators; kinds and uses, operation. P, ability to type.





## SPEECH (Sp)

### (Interim)

#### **DCom 432 Special Problems in Speech**

##### **Reeducation, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **GCom 392 Directed Studies, 1-3 cr., TBA**

Directed study in selected topics. P, consent of Department Head.

#### **MCom 560/660 Special Problems in Radio or Television or Film, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **SpCm 592/692 Special Problems in Oral Interpretation, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **SpCm 594/694 Special Problems in Public Address, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **Thea 590/690 Special Problems in Theatre, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

### (First Session)

#### **DCom 432 Special Problems in Speech Reeducation, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **SpCm 101 Fundamentals of Speech, 3 cr., Sec. 1, 6:50-9:00, mtwtf, SB 114, Staff**

Required of all students unless permission is granted to substitute an advanced course. Emphasis on development of skills in research, organization, style, delivery, and listening necessary for effective oral communication.

#### **MCom 560/660 Special Problems in Radio or Television or Film, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **SpCm 552/652 General Semantics, 3 cr., 1:00-3:10, MTWTF, SB 114, Ferguson**

Relations between symbols; human behavior in reaction to symbols including unconscious attitudes, linguistic assumptions; and the objective systematization of language.

#### **SpCm 592/692 Special Problems in Oral Interpretation, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **SpCm 594/694 Special Problems in Public Address, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **Thea 590/690 Special Problems in Theatre, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

### (Second Session)

#### **DCom 432 Special Problems in speech Reeducation, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **MCom 560/660 Special Problems in Radio or Television or Film, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **SpCm 101 Fundamentals of Speech, 3 cr., Sec. 4, 8:00-10:10, MTWTF, Hoogestraat**

Required of all students unless permission is granted to substitute an advanced course. Emphasis on development of skills in research, organization, style, delivery, and listening necessary for effective oral communication.

#### **SpCm 592/692 Special Problems in Oral Interpretation, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **SpCm 594/694 Special Problems in Public Address, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.

#### **Thea 590/690 Special Problems in Theatre, 1-2 cr., TBA**

Directed research. May be repeated to a total of 6 credits in problems courses. P, consent of Department Head.



## (Eight Week Session)

**SpCm 101 Fundamentals of Speech, 3 cr.,**  
*Sec. 2, 11:30-12:30, MTWTF, SB 114, Staff*  
Required of all students unless permission is granted to substitute an advanced course. Emphasis on development of skills in research, organization, style, delivery, and listening necessary for effective oral communication.

**SpCm 101 Fundamentals of Speech, 3 cr.,**  
*Sec. 3, 9:10-10:10, MTWTF, SB 114, Staff*  
See above description.

**Thea 135 Theatre Activities—Acting, 1 cr.,**  
*TBA*  
Credit earned by active participation in acting roles. May be repeated until 8 activity credits have been earned. P, consent of instructor.

**Thea 145 Theatre Activities—Technical Theatre, 1 cr., TBA**  
Credit earned by backstage and crew work. May be repeated until 8 activity credits have been earned. P, consent of instructor.

**Thea 195 Theatre Activities—Special Projects, 1 cr., TBA**  
Credit earned by completing selected theatre projects. May be repeated until 8 activity credits have been earned. P, consent of instructor.

**Thea 495 Summer Theatre, 5 cr., TBA**  
Credit earned by participation in State University Theatre's repertory company at Prairie Village Opera House, Madison. May be repeated to a total of 10 credits, but only 5 may be applied to a minor in Speech.

## STATISTICS (Stat) (Eight Week Session)

**211 Survey of Statistical Applications, 3 cr.,**  
*8:00-9:00, MTWTF, Ag H 113*

A broad overview of the uses of descriptive and inferential statistics. The basic concepts of frequency, central tendency and variation are presented and their applications, and misapplications, are discussed in detail. P, Math 111 or equivalent. Not a prerequisite for advanced statistics courses.

**341 Statistical Methods I, 3 cr., 10:20-12:30,**  
*MTWT, Ag H 113*

Elementary concepts in probability, data description, distributions, sampling, statistical inferences (parametric and non-parametric). P, Math 113 or 111 with A or B. Credit will not be given for both 211 and 341.

## WILDLIFE AND FISHERIES SCIENCE (WL)

### (Eight Week Session)

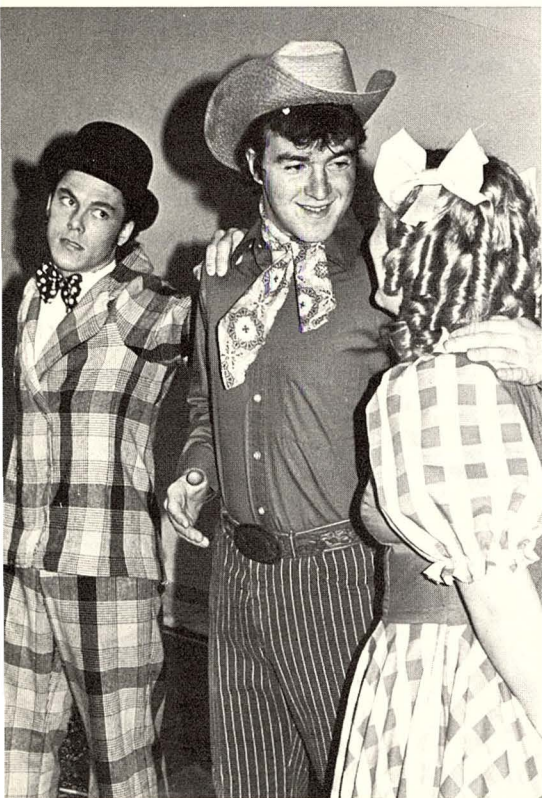
**590/690 Special Topics in Wildlife and Fisheries, 1-3 cr., TBA**

Graduate and senior undergraduate students may secure on demand individualized and small-group instruction in a variety of topics such as technical writing, wildlife pathology, advanced theory of population regulation, predation, animal behavior, ecology of aquatic invertebrates, water chemistry, and others. P, graduate or senior undergraduate standing and consent of instructor.

**591/691 Wildlife Research Problems, 1-2 cr.,**  
*TBA*

Qualified students may investigate special wildlife problems under supervision of department staff. Arrangements must be made with supervising staff member prior to registration. P, cumulative grade point average of at least 2.75 and permission of supervisor.

**790 Thesis in Wildlife, 1-5 cr., TBA**



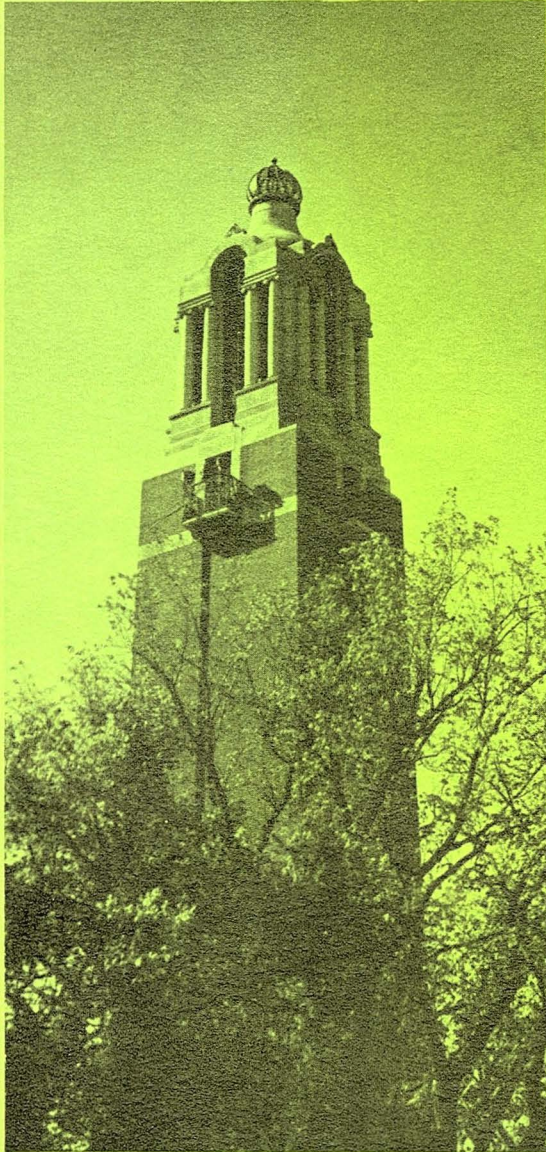






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