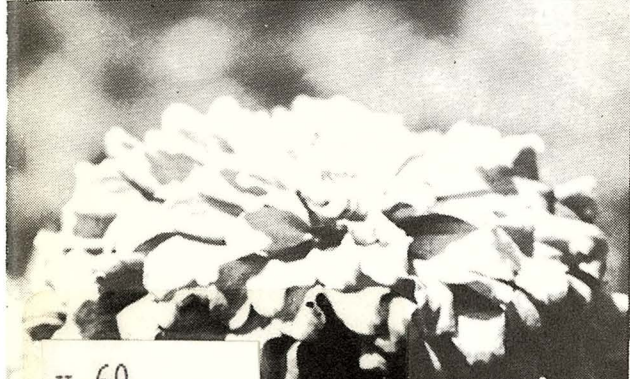
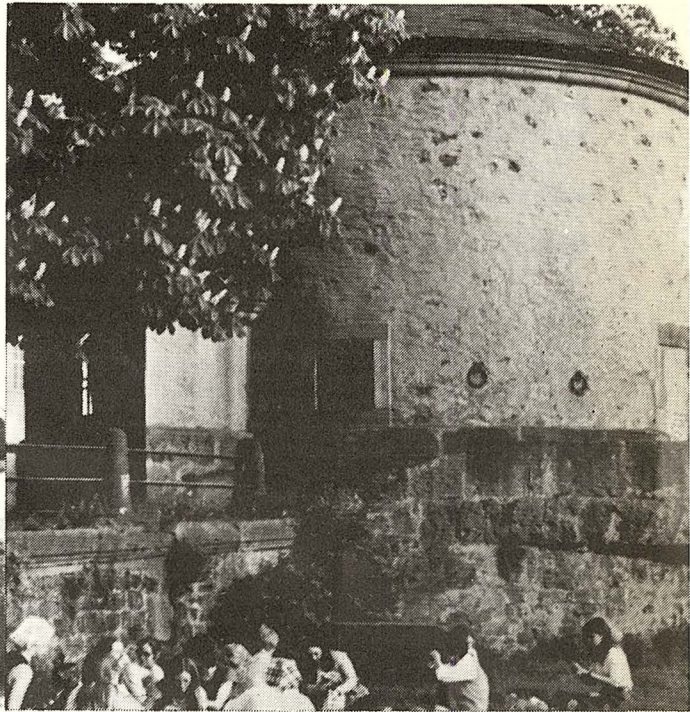




SUMMER 78

South Dakota State University Brookings, South Dakota 57007



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interim session

monday, may 15 to friday, june 2

first four-week session

monday, june 5 to friday, june 30

eight-week session

monday, june 5 to tuesday, august 1

second four-week session

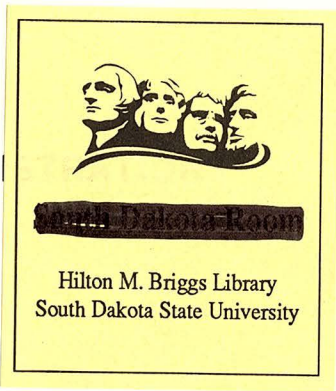
wednesday, july 5 to tuesday, august 1

workshops and special events

Normal course load is one credit per week.

1978 SUMMER SESSION ADMINISTRATION

- Sherwood O. Berg, Ph.D., President*
- Harold S. Bailey, Jr., Ph.D. Vice President for Academic Affairs, Director of Summer Session*
- David F. Pearson, J.D., Vice President for Administration*
- Delwyn Dearborn, Ph.D., Dean, College of Agriculture and Biological Sciences*
- Allen R. Barnes, Ph.D., Dean, College of Arts and Science*
- Darrell Jensen, Ph.D., Dean, Division of Education*
- Junis O. Storry, Ph.D., Dean, College of Engineering*
- Christopher P. Sword, Ph.D., Dean, Graduate School*
- Arnold J. Menning, Ph.D., Dean, College of General Registration*
- Ardyce Gilbert, Ph.D., Dean, College of Home Economics*
- A. Leon Raney, Ph.D., Dean of Library*
- Carol Jean Peterson, Ph.D., 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*
- Wesley A. Bugg, B.S., Director of Finance*



NOTICE

Due to conditions which may arise beyond the control of South Dakota State University, statements in this catalog may be changed without notice. In so far as possible, courses listed and approved by the Regents of Education will be offered; but the university reserves the right to modify any statement in accordance with finances and other unforeseen circumstances.

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

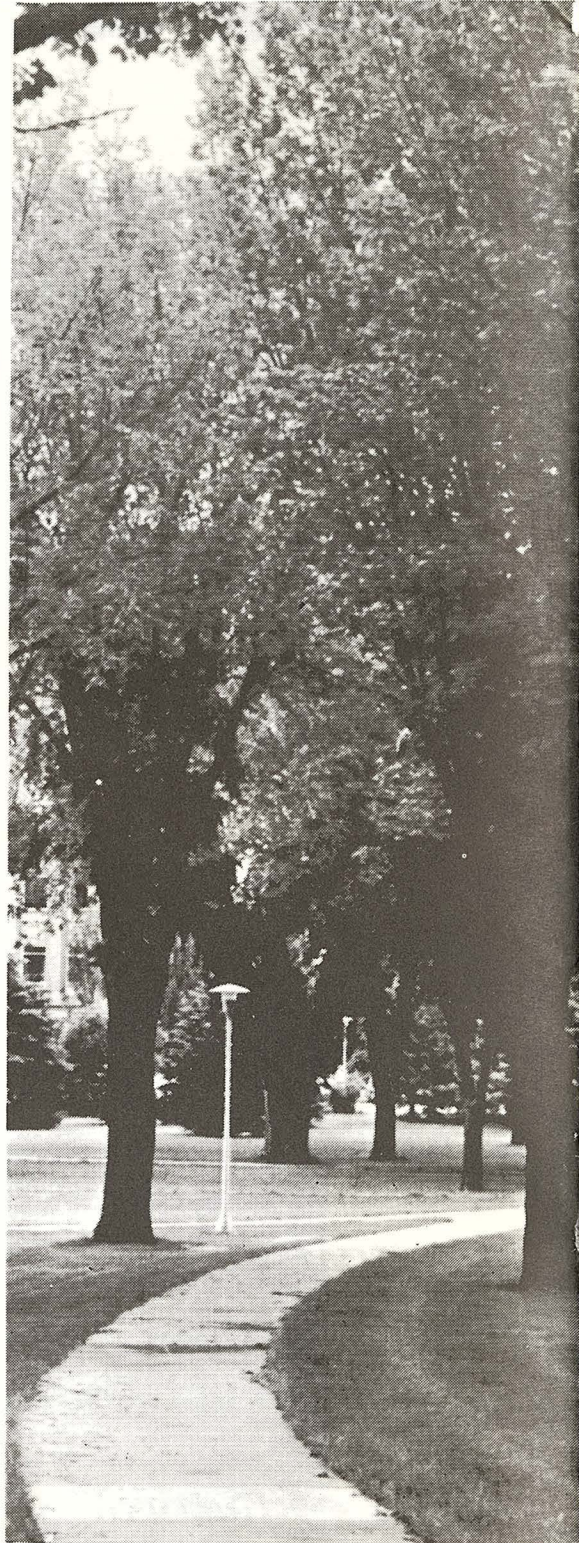
1978 Summer Edition

SOUTH DAKOTA STATE UNIVERSITY BULLETIN

Volume 69 Number 1 March 1978

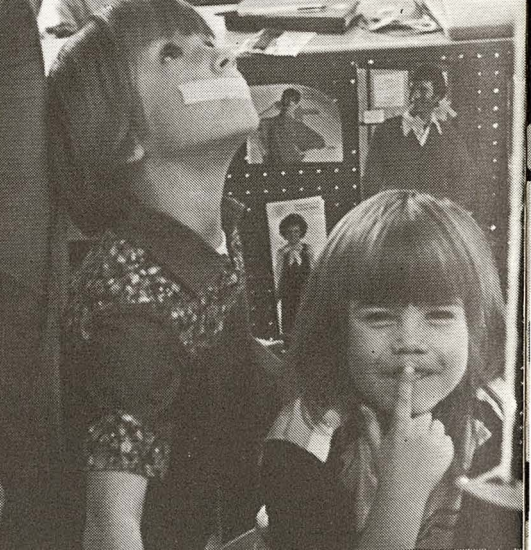
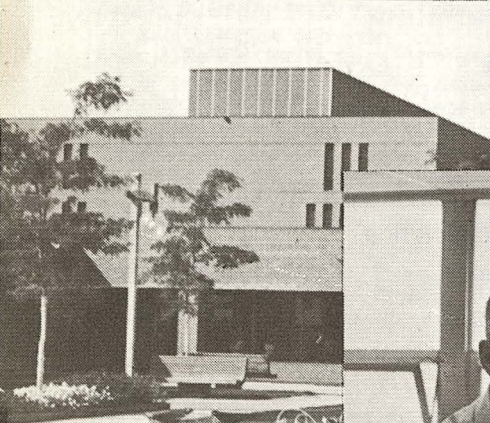
Published quarterly by South Dakota State University
Second-class postage paid at Brookings, S.D. 57007

For educational purposes, 4,000 printed at an estimated cost of 39 cents each—3-78—1568



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application

Undergraduates—If you are seeking admission to the summer session complete an application for admission and send it to the Director of Admissions, South Dakota State University, before registration.

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 undergraduate 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	\$4.50	\$2.50
Single	\$18.50	\$5.50	\$3.50

Meals are available at the University Student Union 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 \$77 to \$132 per month. Write to the Student Housing Office, South Dakota State University, Brookings, South Dakota 57007, regarding advance room reservation or renting a furnished apartment.

registration and related information

Registration for Interim Session - May 15 - June 2

Students will report to the class. The instructor 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 5, 1978 - 8:00 a.m. to 12:00 noon, Intramural Building.

Registration for Second Four Week Session - July 5 - August 1.

Students registering initially for second 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.

Registration for Workshops

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

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 1978 — 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 1977-78 decal must complete a vehicle registration card and purchase the identification decal at designated table.
9. Present fee slip to **room rent table** for room charge if you are residing in the dormitory.
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 6 for failure to pay.
12. Activity Tickets: Pick them up at the cashier's station at time of payment. Students enrolled in a four or/and eight week session will be charged the fee.
13. Present the following to Student 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.

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 to Housing Office, Wecota Hall, 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 6.

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 5th 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 9 - Last day to enter a First Session course.
 June 16 - Last day to enter an Eight Week course.
 July 8 - Last day to enter a Second Session course.

DROP DEADLINES

- June 23 - Last day to drop a First Session course.
 July 7 - Last day to drop an Eight Week course.
 July 21 - 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.

Faculty: pay regular tuition with fees optional.

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 1978**

Tuition: per credit hour	Resident	Non-Resident
Undergraduate	\$17.50	\$41.00
Graduate	28.75	55.00
Weeks: Normal credit load	Maximum	
4	4	5
8	8	9
University Fees*	\$4/credit hour	

OTHER FEES: Charged where applicable
 Late registration - beginning 8 a.m. on June 6 \$10.00
 Late payment fee - on June 6 \$5.00
 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 fees.

** Subject to change pending Board of Regents approval in April 1978.

PASS-FAIL 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 Pass-Fail 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 after registration day**. ADD slip should carry notation Pass-Fail elective.
3. A student may change from Pass-Fail elective to credit during the normal ADD period. A student may change from credit to Pass-Fail 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. This 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 cumulative grade point average. If the course is passed, the credits and two times that number of grade points will be counted toward 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 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
AgE	Agricultural Engineering
AgH	Agricultural Hall
AR	ROTC Armory
ASA	Animal Science Arena
ASC	Animal Science Complex
CEH	Corothers Engineering Hall
DM	Dairy Microbiology
HH	Harding Hall
HN	Home Economics-Nursing
Ho	Horticulture
IA	Industrial Arts
Im	Intramural
Lib	Briggs Library
MAC	Memorial Art Center
MB	Music Building
PC	Pugsley Continuing Education Center
PEC	Physical Education Center
PJ	Printing-Journalism
PS	Plant Science
Ro	Rotunda for Arts & Science
Sco	Scobey Hall
SH	Shepard Hall
SoH	Solberg Hall
SUC	Student Union Center
TAC	Tompkins Alumni Center
WL	Wildlife-Fisheries
Wec	Wecota Hall
WH	West Hall

HOME ECONOMICS EDUCATION (Hed)

- 331 Practicum in Occupational Teacher Education, 1-3 cr., 8:00-10:10, MTWTF, HN 373, Reservations by May 1
- 494 Supplementary Teaching in Home Economics, 1-3 cr., TBA
- 751 Curriculum in Home Economics Education, 2 cr., 10:00-12:00, MTWTF, HN 373

MECHANIZED AGRICULTURE (MA)

- MA 452 Teaching Agricultural Mechanics, 2 cr., (1,3), 3:20-5:20, MTF, AE 131B, Kimmons
- MA 490 Special Problems in Mechanized Agriculture, 1-3 cr., TBA, Staff
- 492 Field Experience in Mechanized Agriculture, 1-2 cr., Staff
- 512/612 Advanced Farm Machinery, 2 cr., Kimmons
- 542/642 Advanced Rural Electrification, 2 cr., Verma

MILITARY SCIENCE (MI)

- 101/102 Military Science I, 2 cr., R 8:00-10:10, MTWT, AR 101; L 8:00-10:10 F, TBA

MUSIC (Mus)

- MuAp 102/202 Individual Instruction in Voice, 1 cr.

- MuAp 302/402 Individual Instruction in Voice, 2 cr.

- MuAp 110/210 Individual Instruction in Keyboard, Sec. 1, Piano; Sec. 2, Organ, 1 cr., TBA
- MuAp 310/410 Individual Instruction in Keyboard, Sec. 1, Piano; Sec. 2, Organ, 1 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, 1-3 cr.; Sec. 1 Pedagogy, Colson, TBA; Sec. 2 Counterpoint, Royer, TBA; Sec. 3 Forms and Analysis, Royer, TBA; Sec. 4 Conducting, Colson, TBA; Sec. 5 Orchestration and Arranging, Royer, TBA
- Mus 591/691 Directed Studies, Sec. 1, Piano Teachers Workshop, 1-2 cr., Spencer; Sec. 2, TBA; Sec. 3 Wind Instrument Literature, 2 cr., Colson, TBA

NURSING (Nurs)

- 400 Special Problems in Nursing, 3 cr.

NUTRITION AND FOOD SCIENCE (NFS)

- 321 Human Nutrition, 3 cr., 9:10-11:20, MTWTF, HN 414
- 661 Special Problems in Food and Nutrition, 1-4 cr., Johnson, TBA

PHILOSOPHY (Phil)

- 225 Introduction to Ethics, 3 cr., 8:00-10:00, MTWTF, Sco 030
- 455 Special Problems: Philosophy of Religion, 2 cr., 10:20-12:30, MTWT, SoH 101

RURAL SOCIOLOGY (Soc)

- Anth 398 Practicum in Anthropology, 3-12 cr., TBA, Faltemier
- Anth 421 Indians of North America, 3 cr., 6:50-8:50, MTWTF, Ro E, Hess
- Anth 590/690 Special Problems in Sociology, 1-3 cr., TBA, Wagner
- Soc 100 Introduction to Sociology, 3 cr., Mendelsohn, 6:50-8:50, AgH 139
- Soc 270 Introduction to Social Work, 3 cr., Faltemier, 10:20-12:30, HN363
- Soc 490 Special Problems in Sociology, 1-3 cr., TBA, Wagner

- Soc 491 Sociology, Senior Seminar, Sec. 1, 1 cr., TBA, 1st meeting June 5, 4:00, Scobey 213, Faltemier
- Soc 491 Sociology Seminar: Violence in the Family, Sec. 2, 3 cr., Mendelsohn
- Soc 515/615 Social Thought, 2 cr., Riley
- Soc 530/630 Social Change, 3 cr., Dimit
- Soc 780 Special Problems in Sociology, 1-3 cr., TBA, Wagner
- Soc 781 Internship in Planning, 1 cr., TBA, Dimit
- Soc 790 Thesis, M.S., TBA
- Soc 890 Thesis, Ph.D., TBA

SPEECH (Sp)

- DCom 432 Special Problems in Speech Reducation, 1-2 cr., TBA
- SpCm 101 Fundamentals of Speech, Sec. 2, 3 cr., 6:50-9:00, MTWTF, PC 214
- MCom 560/660 Special Problems in Radio or Television or Film, 1-2 cr., TBA
- SpCm 566/666 Rhetorical Theory, 3 cr., 9:10-11:20, MTWTF, CEH 218
- SpCm 592/692 Special Problems in Oral Interpretation, 1-2 cr., TBA
- SpCm 594/694 Special Problems in Public Address, 1-2 cr., TBA
- SpCm 790 Thesis, 1-7 cr., TBA
- Thea 590/690 Special Problems in Theatre, 1-2 cr., TBA

eight-week session — june 5-august 1

AGRICULTURAL ENGINEERING (AE)

- 470 Special Topics, 1-4 cr., (1-4,0-2), TBA Staff
- 490 Special Problems in Agricultural Engineering, 1-3 cr., TBA
- 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
- 790 Thesis, M.S., 5-7 cr.,
- 890 Thesis Ph.D.

AVIATION (Avia)

- 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 8-9, MTWT, DM 112, L 9:10-11:20 a.m., MTWT
- Bio 371 Genetics, 3 cr., 9:10-10:10, MTWT, DM 112
- Bio 493 Biology Problems, 1-4 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, Hilderbrand
- 114 General Chemistry, 3 cr., Sec. 1, 9:10-10:10, MTWTF, SH 212, Jensen; 4 cr., Sec. 2, 9:10-10:10, MTWTF, SH 212, Jensen; L Sec. 51, 1:00-4:00, TT, Jensen
- 115 General Chemistry Laboratory, 1 cr., Sec. 5, 1:00-4:00, TT, Jensen
- 120 Elementary Organic Chemistry, Sec. 1, 3 cr., 8:00-9:00, MTWTF, SH 210, Olson
- 120 Elementary Organic Chemistry, Sec. 2, 4 cr., 8:00-9:00, MTWTF, SH 210, L., Sec. 51, 1:00-4:00, MW Olson
- 121 Elementary Organic Chemistry Laboratory, 1 cr., 1:00-4:00, MW, Olson
- 260 Elementary Biochemistry, 4 cr., Sec. 1, 8:00-9:00, MTWTF, SH 212, Sec. 51, 1:00-4:00, TT, Brandwein
- 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)

- 211 Human Development and Personality I: Childhood, 3 cr., 8:00-9:00, MTWTF, HN 414
- 271 Experience in Human Relations, 3 cr., Sec. 1, 8:00-11:20, MTWT, 10:20-11:20, F; Sec. 2, 8:00-11:20, MTWT, 10:20-11:20, F; Sec. 3, 12:30-4:00, MTWT, 10:20-11:20, F, Sec. 4, 12:30-4:00, MTWT, 10:20-11:20, F
- 472 Student Teaching in Preschool Programs I, 4 cr., Sec. 1, 8:00-12:00, MTWT, 1 hr. F TBA; Sec. 2, 8:00-12:00, MTWT, 1 hr. F TBA; Sec. 3, 12:30-4:30, MTWT, 1 hr. F TBA; Sec. 4, 12:30-4:30, MTWT, 1 hr. F TBA;
- 473 Student Teaching Preschool Programs II, 4 cr., Sec. 1 8:00-12:00, MTWT, 1 hr. F TBA; Sec. 2, 12:30-4:30, MTWT, 1 hr. F TBA;

CIVIL ENGINEERING (CE)

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

DAIRY SCIENCE (DS)

- 472 Field Experience in Dairy Science, 3-12 cr., TBA
- 490 Special Problems in Dairy Science, 1-3 cr., TBA
- 590/690 Dairy Science Problems, 1-3 cr., TBA
- 790 Thesis, M.S., TBA
- 890 Thesis, Ph.D., TBA

ECONOMICS (Econ)

- Actg 210 Principles of Accounting I, 3 cr., 9:10-10:10, MTWTF, Lambertson
- B-Ad 310 Business Finance, 3 cr., 10:20-11:20, MTWTF
- Econ 201 Principles of Economics I, 3 cr., 8:00-9:00, MTWTF, DM 208, Greenbaum
- Econ 202 Principles of Economics II, 3 cr., 10:20-11:20, MTWTF, DM 208, Lambertson
- Econ 401 Intermediate Macroeconomics, 3 cr., 11:30-12:30, MTWTF, DM 208, Greenbaum
- 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 790 Thesis, 1-7 cr.

EDUCATION (Ed)

- CGPS, 410 Principles of Guidance, 2 cr., 11:30-12:30, MTF, SoH 202, Vanderpan

- CGPS 508/608 Humanistic Approaches to Teacher Effectiveness, 2 cr., 2:10-3:10, MTF, Ro B, Vanderpan

- CGPS 510/610 Foundations of Guidance and Personnel Services, 2 cr., 11:30-12:30, MTF, SoH 202, Vanderpan

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

- CGPS 713 Administration and Operation of Guidance and Personnel Services, 3 cr., 10:20-11:20, MTWTF, SoH 202, Lindstrom

- CGPS 742 Career Education and Occupational Information, 3 cr., 9:10-10:10, MTWTF, SoH 202, Staff

- CGPS 787 Counseling Laboratory and Supervised Practicum, Sec. 1, and Sec. 2, 3-5 cr., TBA, Schmieding

- CGPS 789 Internship in Counseling, 1-6 cr., TBA

- 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., 2:10-3:10, MTWTF, Ro C, Everett

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

- EdAd 789 Internship in Education, 1-6 cr., TBA

- 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, 3 cr., 1:00-2:00, MTF, RoB, Reilschneider

- EdER 761 Introduction to Graduate Studies, 3 cr., 6:50-7:50, MTWTF, HN 125, Edeburn

- EdFn 339 Introduction to American Education, 2 cr., 8:00-9:00, MTF, CEH 219, Edeburn

- EdFn 530/630 Current Trends in Education, 2 cr., 1:00-2:00, MTF, RoF, Lingren
- EPsy 302 Educational Psychology, 2 cr., 1:00-2:00, MTF, Ro C, Foreman
- SeEd 450 Teaching of Reading, 3 cr., 9:10-10:10, MTWTF, Ro F, Williams
- SeEd 492 Problems in Education, 1-3 cr., TBA, Staff
- SeEd 540/640 Secondary School Curriculum, 2 cr., 9:10-10:10, MTF, Ro E, Widvey
- SeEd 789 Internship, 1-6 cr., TBA

- SeEd 792 Research Problems 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 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 213

ENGLISH (Eng)

- 101 Freshman Composition, 3 cr., Sec. 1, 8:00-9:00, MTWTF, HN 110, West; Sec. 2, 10:20-11:20, MTWTF, HN 110, West
- 218 Introduction to Literature, 3 cr., 11:30-12:30, MTWTF, HN 110, Evans
- 256 Literature of the American West, 2 cr., 9:10-10:10, MTWT, HN 110 Woodard
- 300 Junior Composition, 3 cr., Sec. 1, 8:00-9:00, MTWTF, HN 125, Foreman; Sec. 2, 9:10-10:10, MTWTF, HN 125, Evans; Sec. 3, 11:30-12:30, MTWTF, HN 125, Kildahl; Sec. 4, 10:20-11:20, MTWTF, Ro B, Williams
- 303 Advanced Exposition, 3 cr., 10:20-11:20, MTWTF HN 125, Woodard
- 393 Undergraduate Course Special; Literature of the Bible, 3 cr., 10:20-11:20, MTWTF, HN 253, Yarbrough
- 456 Recent American Literature, 3 cr., MTWTF, 11:30-12:30, HN 167, Williams
- 594/694 Seminar in American Literature, 3 cr., 8:00-9:00, MTWTF, HN 253, Alexander

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, 9:10-10:10, MTWTF, AgH 343; L., 10:20-12:30, TT, AgH 343, 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

FOREIGN LANGUAGES (FL)

Span 199 The Culture of The Latin American People, 3 cr., 3:20-4:20, MTWT, HN 167

GEOGRAPHY (Geog)

212 Geography of North America, 3 cr., 10:20-11:20, MTWTF, Ro C, Weinkauff
337 Atmospheric Sciences, 3 cr., 9:10-10:10, MTWTF, Ro G, Sandness
383 Cartography, 3 cr., 6:30-9:00 p.m., TT, Sco 030, Ophelm
390 Special Problems, 1-4 cr., TBA, Staff
484 Remote Sensing, 3 cr., 11:30-12:30, MTWTF, Sco 030, Weinkauff
506/606 Seminar in Systematic Geography: Computer Mapping, Sec. 2, 3 cr., Sandness
790 Thesis in Geography, M.S., 1-6 cr., TBA, Hogan
790 Thesis Sustaining, Sec. 2, 1 cr., Staff
792 Special Problems in Geography: Topical, 1-4 cr., TBA, Hogan

HISTORY (Hist)

265 History of the American West, 3 cr., 1:00-2:00, MTWTF, Ro E, Ophelm
322 Ancient History, 3 cr., 9:10-10:10, MTWTF, HN 167, Bell
355 Civil War and Reconstruction, 3 cr., 10:20-11:20, MTWTF, Ro E, Sweeney
360 Topics in American History: America in the 1920s, 3 cr., Bell, TBA
393 Nazi Germany, 3 cr., 8:00-9:00, MTWTF, Ro F, Crain
393 Britain and Ireland Since 1815, 3 cr., Funchion

HOME ECONOMICS (HE)

471 Professional Practicum, 1-12 cr., TBA
482 Practicum in Extension, 8 cr., TBA

HORTICULTURE-FORESTRY (Ho, F, Pr, La)

Ho 471 Problems, 1-2 cr., TBA
Ho 472 Field Experience & Student Internship, 3-12 cr., TBA
La 471 Problems, 1-2 cr., TBA
La 472 Field Experience & Student Internship, 3-12 cr., TBA

PR 471 Problems, 1-2 cr., TBA
PR 472 Field Experience & Student Internship, 3-12 cr., TBA
F 471 Problems, 1-2 cr., TBA
F 472 Field Experience & Student Internship, 3-12 cr., TBA

JOURNALISM (J)

MCom 313 Publicity Methods, 2 cr., 9:10-10:10, MTWT, PJ 206S
MCom 413 Journalism Internship, 1-4 cr., TBA
MCom 450 Special Problems in Journalism, 1-3 cr., TBA
MCom 573/673 Public Relations, 3 cr., 8:00-9:00, MTWTF, PJ 206S
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 127
*123 Mathematical Analysis I, 5 cr.
*224 Mathematical Analysis II, 4 cr.
225 Mathematical Analysis III, 3 cr., 10:20-11:20, MTWTF, HN 167
321 Differential Equations, 3 cr., 6:50-7:50, MTWTF, HN 167
*Either 123 or 224 will be offered depending upon demand.

MICROBIOLOGY (Micr)

231 General Microbiology, 4 cr., R, 8:00-9:00, MTF, DM 202; L., 9:10-11:20, MTF, Stangeland
441 Microbiology Problems, 1-3 cr., TBA, Staff
472 Field Experience & Student Internship, 1-12 cr., TBA, Staff
790 Thesis in Microbiology, 1-7 cr., TBA, Staff

NURSING (Nurs)

400 Special Problems in Nursing Physical Assessment, 3 cr., TBA
This course will introduce students to a basic orientation of physical assessment. It will provide them the opportunity to develop the skills of health history taking and physical assessment. This three credit course will consist of lecture-demonstration, independent study and supervised clinical practicum. It is open to R.N.'s.

PHYSICS (Phys)

331 Atomic Physics, 3 cr., 9:10-10:10, MTWTF, Ro B
495 Special Topics, 1-3 cr., TBA
595/695 Special Topics, 1-3 cr., TBA

PLANT SCIENCE (PS)

472 Field Experience & Student Internship, 1-12 cr., TBA
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., 8:00-9:00, MTWTF, HN 167
210 State and Local Government, 3 cr., 11:30-12:30, MTWTF, HN 169
253 Current World Problems, 3 cr., TBA
401 The American Presidency, TBA
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, 8:00-9:00, MTWTF, CEH 319; Sec. 2, 10:20-11:20, MTWTF, Ad 308
202 Advanced General Psychology, 3 cr., 11:30-12:30, MTWTF, Ro B
331 Business and Industrial Psychology, 3 cr., 9:10-10:10, MTWTF, Ro C
441 Social Psychology, 3 cr., 10:20-11:20, MTWTF, CEH 319
451 Psychology of Abnormal Behavior, 3 cr., 8:00-9:00, MTWTF, Ro B
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., 9:10-10:10, MTWTF, CEH 319
338 World Religions, 3 cr., 10:20-11:20, MTWTF, PC 214

349 Current Issues: Ethical & Moral Issues in Death & Dying, 3 cr., 9:10-10:10, MTWTF, CEH 219, Norlin

RURAL SOCIOLOGY (Soc) (Anth)

Anth 398 Practicum in Anthropology, 3-12 cr., TBA, Faltemier
Anth 590/690 Special Problems in Anthropology, 1-3 cr., TBA, Wagner
Soc 490 Special Problems in Sociology, 1-3 cr., TBA, Wagner
Soc 491 Sociology Seminar, 1 cr., TBA, Faltemier
Soc 492 Practicum in Sociology, 3-12 cr., TBA, Faltemier
Soc 780 Special Problems in Sociology, 1-3 cr., TBA, Wagner
Soc 781 Internship in Planning, 1-6 cr., TBA, Dimit
Soc 790 Thesis, M.S., TBA
Soc 890 Thesis, Ph.D., TBA

SPEECH (Sp)

SpCm 101 Fundamentals of Speech, Sec. 3, 3 cr., 11:30-12:30, MTWTF, PC 214, Staff
SpCm 101 Fundamentals of Speech, Sec. 4, 3 cr., 9:10-10:10, MTWTF, PC 214, Staff
SpCm 576/676 Directed Speech Activities, 3 cr., 8:00-9:00, MTWTF, PC 214
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, MTWT, AgH 113

TEXTILES, CLOTHING AND INTERIOR DESIGN (TCID)

494 Special Problems in TCID, 1-4 cr.

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

second session — july 5-august 1

CHILD DEVELOPMENT AND FAMILY RELATIONS (CDFR)

502/602 Seminar: Children and Families in Crisis, 2 cr., Sec. 4, 8:00-10:10, MTWTF, HN 363, Melby
502/602 Seminar: High School Education for Parenting, 1 cr., Sec. 5, 1:00-2:00, MTWTF, PC 117

ECONOMICS (Econ)

B-Ad 350 Business Law I, 3 cr., 8:00-10:00 am, MTWTF, Lyons

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 169, Skidmore
CGPS 736 Appraisal of the Individual, 2 cr., 8:00-10:10, MTF, HN 127
CGPS 791 Special Problems in Guidance and Counseling, 1-3 cr., TBA, Lindstrom

CGPS 792 Seminar in Current Trends and Issues in Counseling, Sec. 2, 1 cr., TBA
EdAd 730 School Finance, 2 cr., 10:20-12:30, MTF, HN 159, Everett
EdAd 735 School Law, 3 cr., 8:00-10:10, MTWTF, HN 157, Scholten
EdAd 782 Seminar, Sec. 1, 1-3 cr., TBA, Staff
EdAd 795 Problems in Educational Administration, 1-3 cr., TBA, Staff
EPsy 523/623 Adolescent Psychology, 3 cr., 10:20-12:30, MTWTF, HN 127, Reifshneider
SeEd 492 Problems in Education, 1-3 cr., TBA, Staff
SeEd 582/682 Education Seminar, Sec. 1, 1-3 cr., TBA
SeEd 582/682 Seminar in Motivation and Discipline, Sec. 2, 2 cr., Widvey
SeEd 582/682 Seminar in Questioning and Thinking, Sec. 3, 2 cr.
SeEd 591/691 Problems in Education, 1-3 cr., TBA, Staff
SeEd 753 Diagnosis and Remediation of Reading Problems, 2 cr., 1:00-3:10, MTF, HN 167, Williamson
VTTE 731 Administration and Supervision of Vocational Education, 3 cr., 8:00-10:10, MTWTF, CEH 318, Hanson

FOREIGN LANGUAGES (FL)

Span 202 Second-Year Spanish, 3 cr., 9:10-11:20, MTWTF, HN 169
Span 490 Directed Study in Spanish, 1-3 cr., 1:00-1:50, MTWTF, HN 159

HEALTH, PHYSICAL EDUCATION AND RECREATION (HPER)

HPER 742 Psycho-Social Aspects of Sports, 2 cr.

HPER 783 Research Methods in HPER, 3 cr.
PE 100 Tennis Sec. 5, 1 cr.,
PE 100 Golf, Sec. 6, 1 cr.
PE 100 Handball-Racquetball, Sec. 7, 1 cr.
PE/PT 450 Exercise Physiology, 3 cr.
RECR 740 Advanced Administration of Community Recreation Programs, 2 cr.

HOME ECONOMICS (HE)

673 Special Problems: Financial Management for Youth and Adults, 3 cr., 10:20-12:30, MTWTF, HN 373

MILITARY SCIENCE (Mil)

201/202 Military Science II, 2 cr., R
8:00-10:10, MTWT, AR 101, L
8:00-10:10, F, TBA

MUSIC (Mus)

MuAp 102/202 Individual Instruction in Voice, 1 cr., TBA
MuAp 302/402 Individual Instruction in Voice, 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 100 Music Appreciation, 2 cr., TBA
Mus 300 Jazz, Rock and Blues Survey, 2 cr., TBA
Mus 590/690 Independent Studies, Music Education II, Sec. 5, 1-3 cr., TBA
Mus 590/690 Independent Studies, Pedagogy, Sec. 6, 1-3 cr., TBA

Mus 591/691 Conceptual Music Encounter Group, 1-2 cr., Johnson, TBA

RURAL SOCIOLOGY (Soc) (Anth)

Anth 398 Practicum in Anthropology, 4 cr., TBA, Faltemier
Anth 590/690 Special Problems in Anthropology, 1-3 cr., TBA, Wagner
Soc 490 Special Problems in Sociology, 1-3 cr., TBA, Wagner
Soc 491 Sociology Seminar, 1 cr., TBA, 1st meeting July 5, 4:00, Scobey Hall 213, Faltemier
Soc 492 Practicum in Sociology, 3-12 cr., TBA, Faltemier
Soc 780 Special Problems in Sociology, 1-3 cr., TBA, Wagner
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 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

TEXTILES, CLOTHING AND INTERIOR DESIGN (TCID)

692 Special Problem: Contemporary Housing and Interior Design, 3 cr., 8:00-10:10, MTWTF, HN 335, Yost and Lyman

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

490 Special Problems in Agricultural Engineering, 1-3 cr., TBA
Special problems in Agricultural Engineering with particular application to individual study where the solution must be written up in a final report. Must have approval of the advisor and head of department.

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 (AS) (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.

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

890 Thesis, Ph.D.

(Workshops and Special Events)

592/692 Special Topics in Animal Science: Meat Animal and Product Evaluation, 1 cr., TBA

Workshop will emphasize: Livestock growth and development, detailed study of yield and quality grades for all market species (cattle, swine, sheep), actual live and carcass evaluation, meat identification and judging, breeding stock selection including oral reason presentation, equine selection with emphasis on the relationship of form to function. Supplies-product fee \$20

ART (Art) (Interim)

ArtS 123 Design I, 3 cr., C. Dennis Guastella

(First Session)

ArtH'211 Survey of Art I, 3 cr., Fredrick W. Bunce

(Workshops and Special Events)

High School Summer Workshop June 4-10, Frederick W. Bunce, Coordinator; registration Sunday, June 4, 1-3 p.m.

Painting, June 4-10, 9 a.m. - noon, 1-4 p.m., Guastella

Printmaking, June 4-10, 9 a.m. - noon, 1-4 p.m., Kruse

Drawing, June 4-10, 9 a.m.- noon, 1-4 p.m. Bunce

AVIATION (Avia) (First Session)

270 Introduction to Aviation, 2 cr., TBA, Paulson
Aerodynamics, principles of flying, civil air regulations, meteorology, radio and navigation.

(Eight Week Session)

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 \$300.00

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 \$300.00.

BOTANY-BIOLOGY (Bot-Bio)

(Eight Week Session)

Bio 151 Biology, 3 cr., R 8-9 a.m., MTWT, L 9:10-11:20 a.m., MTWT
Introductory biology, individualized computer-managed instruction.

Bio 371 Genetics, 3 cr., 9:10-10:10, MTWT
Principles governing the nature, transmission and function of hereditary material with application to plants, animals, humans, and microorganisms. P, 153.

Bio 493 Biology Problems, 1-4 cr., TBA

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; L, Sec. 51, Hilderbrand
A one-semester introduction to chemistry. Not intended for those needing extensive chemistry background. Duplicate credit for Chem 100, 110 or 112 not allowed.

114 General Chemistry, 3 cr., Sec. 1, 4 cr., Sec. 2; L Sec. 51, Jensen
Continuation of Chem 112. P. 112 or a B in Chem 110.

115 General Chemistry Laboratory, 1 cr., Jensen
The laboratory portion of Chem 114 for those who have completed 114 for 3 credits. P. 114 (3 cr.)

120 Elementary Organic Chemistry, 3 cr., Sec. 1, 4 cr., Sec. 2; L Sec. 51, Olson
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., Olson
The laboratory portion of Chem 120 for those who have completed 120 for 3 credits. P. 120 (3 cr.)

260 Elementary Biochemistry, 4 cr., Sec. 1; L, Sec. 51, 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, Sec. 1, TBA, Staff

790 Thesis Sustaining, Sec. 2, TBA, Staff

CHILD DEVELOPMENT AND FAMILY RELATIONS (CDFR) (First Session)

502/602 Seminar: Psychodynamics of the Family, 2 cr., Sec. 1 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.

502/602 Seminar: Adolescent Development for Home Economics Teachers, 1 cr., Sec. 2

Emphasis on physical, social, intellectual, emotional changes that occur at adolescence and should be understood by teachers in order to effectively meet the needs of students in Secondary Home Economics classes.

502/602 Seminar: Research in Child Development and Family Relations, 1 cr., Sec. 3

Acquaintance with current topics of research in Child Development and Family Relations. Some practical experience in gathering and analyzing research data.

544/644 American Woman, 2 cr.,

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.

(Second Session)

502/602 Seminar: Children and Families in Crisis, 2 cr., Sec. 4

Effects on and adjustment of the family to various crisis-producing situations. Nature of crisis and its impact on individual family members and their relationship to other family members and the community.

502/602 Seminar: High School Education for Parenting, 1 cr., Sec. 5

Consideration of curriculum topics and also methodology for presenting these topics which prepare high school students for the parenting role. P. CDFR 211 or CDFR 343, or consent of instructor.

(Eight Week Session)

211 Human Development and Personality I: Childhood, 3 cr.

Knowledge and understanding of human being through study of development, beginning at conception, continuing through adolescence. Consideration given to biological growth, social, emotional and intellectual development as it changes behavior and shapes the individual. Observation in Family Life Laboratory and in school age groups. P. Psyc. 101.

271 Experience in Human Relations, 3 cr., Sec. 1, Sec. 2, Sec. 3, Sec. 4

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.

472 Student Teaching Preschool Programs I, 4 cr., Sec. 1, Sec. 2, Sec. 3, Sec. 4

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. By reservation only.

473 Student Teaching Preschool Programs II, 4 cr., Sec. 1, Sec. 2. By reservation only.

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.

DAIRY SCIENCE (DS) (Eight Week Session)

472 Field Experience in Dairy Science, 3-12 cr., TBA

Practical on-the-job experiences to supplement knowledge gained in the classroom. A written job description and plan of work will be required before the work begins. Emphasis will be on total educational value of the experience for the individual student. Written reports will be submitted to a designated departmental faculty member who will serve as major advisor for the student during the time of the practicum. P. junior standing or permission.

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

890 Ph.D. Thesis in Dairy Science, TBA

ECONOMICS (Econ) (Second Session)

B-Ad 350 Business Law I, 3 cr., 8-10 a.m. MTWTF, Lyons

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

(Eight Week Session)

Actg 210 Principles of Accounting I, 3 cr., 9:10 - 10:10 a.m. MTWTF, Lamberton

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 310 Business Finance, 3 cr., 10:20-11:20 a.m., MTWTF

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.

Econ 201 Principles of Economics I, 3 cr., 8-9 a.m., MTWTF, Greenbaum

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., 10:20 - 11:20 a.m., MTWTF, Lamberton

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., 11:30 - 12:30, MTWTF, Greenbaum

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 Economics 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 790 Thesis, 1-9 cr.

(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., 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 706 Adult Education in Agriculture, 2 cr., Gadda

Young farmer and adult farmer work. Emphasizes needs and techniques in administering and conducting adult education programs in vocational agriculture; course planning, instructional procedures, follow-up and evaluation of adult classes. 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., 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 503/603 Elementary School Guidance, 3 cr., 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 766 Group Counseling, 2 cr., Vanderpan

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 advance CG 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, Staff, Sec. 1

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., Staff

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 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 Personnel Administration, Sec. 2, 2 cr.

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

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

EIEd 573/673 Elementary School Curriculum, 2 cr., Lingren

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

EDUCATION (Ed) (Interim Session)

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, 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.

Ed Ad 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.

EPsy 551/651 Mental Health & Personality Development, 3 cr., Foreman
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 287 Practicum and Professional Laboratory, 2 cr., 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., Sec. 1, 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., 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, 1-5 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 Continuing Education, 1-3 cr., TBA, Everett

CGPS 530/630 Learning Disorders of Children, 3 cr., Skidmore
Overview of various learning deficits, remedial procedures, and consideration of psychological assessments.

CGPS 736 Appraisal of the Individual, 2 cr.
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, Sec. 2, 1 cr., TBA

EdAd 730 School Finance, 2 cr., Everett
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, 3 cr., 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.

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

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

EPsy 523/623 Adolescent Psychology, 3 cr., Reifschneider
Physical, social, emotional, intellectual and vocational aspects of adolescent development. Emphasis is upon increasing understanding of adolescents and their problems.

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

SeEd 582/682 Education Seminar, Sec. 1, 1-3 cr., TBA

SeEd 582/682 Seminar in Motivation and Discipline, Sec. 2, 2 cr., Widvey
Examines theories of motivation and discipline and their application in the classroom.

SeEd 582/682 Seminar in Questioning and Thinking, Sec. 3, 2 cr.
A structured set of experiences to explore, develop and apply questioning skills. Designed to help students ask and respond to questions at a higher cognitive level. Strategies will be examined to assist in providing opportunities for the students in organizing data to form concepts and generalizations.

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

SeEd 753 Diagnosis and Remediation of Reading Problems, 2 cr., Williamson
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., 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)

CGPS 410 Principles of Guidance, 2 cr., Vanderpan
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 508/608 Humanistic Approaches to Teacher Effectiveness, 2 cr., Vanderpan
Skills in human relationships, developing potentials, resolving differences, active listening, avoiding roadblocks, developing congruency, using "no lose" method of resolving classroom conflicts. Developing learner responsibility, accepting others, communicating acceptance to others, "I Messages," changing the environment. P. permission of the instructor.

CGPS 510/610 Foundations of Guidance and Personnel Services, 2 cr., Vanderpan
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 561/661 Theories of Counseling, 3 cr., Schmieding
Theories, methods, and application of the counseling processes at all levels. P. consent of instructor.

CGPS 713 Administration and Operation of Guidance and Personnel Services, 3 cr., Lindstrom
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., 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, Sec. 1, 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 787 Counseling Laboratory and Supervised Practicum, 3-5 cr., TBA, Sec. 2

CGPS 789 Internship in Counseling, 1-6 cr., TBA

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., Everrett

Organization, 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., 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 789 Internship in Education, 1-6 cr., TBA

On-job participation in administration or working with administrative tasks in public schools under supervision of local school administrator and a staff member from Division of Education.

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, 3 cr., Reifschneider

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

EdER 761 Introduction to Graduate Studies, 3 cr., 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., 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. Psyc 101, junior standing.

EdFn 530/630 Current Trends in Education, 2 cr., Lingren

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 302 Educational Psychology, 2 cr., 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: Psyc 101.

SeEd 450 Teaching of Reading, 3 cr., Williams

The improvement of reading, designed to assist all teachers; diagnosis of difficulties and remedial methods; developmental programs, analysis of current practices and programs; and methods and materials of instruction.

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

SeEd 540/640 Secondary School Curriculum, 2 cr., Widvey

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

SeEd 789 Internship, 1-6 cr., TBA

On-the-job participation in teaching in the public schools under the supervision of a local school instructor and a staff member from the Department of Education.

SeEd 792 Research Problems in Education, 2 cr.

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

(Workshops and Special Events)

AGRICULTURAL EDUCATION (AgEd)

AgEd 505/605 Workshop in Farm Management Education, 1 cr., TBA

(July 11-14)

Farm business management education program planning at the local level. Curriculum materials, records, budgeting, enterprise analysis, cash flow, net worth statements, all from the instructional standpoint. Multi-school cooperation in farm management programs. For more information, contact Dr. Clark Hanson, Director of Workshop.

SECONDARY EDUCATION (SeEd)

SeEd 581/681 Workshop in Electronics, 1 cr., 4 days, first week of summer session.

(June 6-9)

An electronics course which will expose secondary education teachers to new material in electronics. Instructors in industrial arts, physics, electronics and science courses will find the course valuable. Taught by Electrical Engineering staff with emphasis on laboratory exercises with theory presented in an "easy to understand" **algebra only** approach. First meeting 8:00 a.m., June 6, 1978. H.H. 201. For more information contact Dr. Virgil G. Ellerbruch, Head of Electrical Engineering.

SeEd 581/681 Workshop in Designing Learning Stations/Centers in a K-12 Curriculum, 1 cr., (June 12-16)

A workshop to identify the characteristics and components of learning stations/centers. Emphasis will be on the practical use of learning stations. Students will design and construct one learning station in a content area and one to develop language usage. For more information contact Dr. Jim Williamson, Director of the workshop.

SeEd 581/681 Workshop in Mainstreaming, 1 cr., (July 10-14)

Workshop to develop K-12 teachers competencies in meeting the needs of the mainstreamed student in the regular classroom. Will deal with learning styles, adjustment of materials, special teaching methods, social adjustments, and other specific needs. For more information, contact Dr. Carl Edeburn, Director of workshop.

**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 MECHANICS (EM)
(Eight Week Session)**

221 Statics, 3 cr.

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.

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.

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.

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)**

593/693 Seminar in English Literature, 3 cr., Kildahl

Philosophy, ideology, and the search for belief in the novels of Iris Murdock and Doris Lessing

597/697 Juvenile Literature, 3 cr., Foreman

Reading and interpretation of classical children's (and contemporary young adult) literature.

(Eight Week Session)

101 Freshman Composition, Sec. 1 and 2, 3 cr., West

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., Evans

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.

256 Literature of the American West, 3 cr., Woodard

Attention given to various attitudes of the West.

300 Junior Composition, Sec. 1, Foreman; Sec. 2, Evans; Sec. 3, Evans; Sec. 4, Williams

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 (technical), 3 cr., Woodard

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

393 Undergraduate Course Special:

Literature of the Bible, 3 cr., Yarbrough
Literary analysis of selected poetry and narrative from the Bible; a study of Biblical influence on modern literature.

456 Recent American Literature, 3 cr., Williams

Selected novels and stories of Faulkner, O'Connor and McCullers.

594/694 Seminar in American Literature, 3 cr., Alexander

Literature of the midwest.

**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: Beekeeping, 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/she gives technical description, and other information, of group under study.

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

Zool 221 Anatomy, 3 cr., R, 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

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, History and Philosophy of Zoology, Developmental Genetics.

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

**FOREIGN LANGUAGES (FL)
(First Session)**

Span 201 Second-Year Spanish, 3 cr.,

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. P. Span 102.

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

Readings and discussions in Spanish as directed by the instructor. Appropriate for seniors or graduates who wish to refresh their language skills. Work will be intensive, tailored to students' needs, and will include concentrated use of Spanish in all its phases. P. two years of the language and/or consent.

(Second Session)

Spanish 202 Second-Year Spanish, 3 cr.

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. P. Span 201.

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

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

(Eight Week Session)

Span 199 The Culture of the Latin American People, 3 cr.

An introduction to the life, thought, and language of the Latin American people. This course is intended to provide a broad view of Latin American civilization and culture including history, literature, political structures, geography, social life, etc. It is particularly intended for students who are not majors in Spanish but are interested in Latin America and the Latin American people. (No prerequisites)

(Workshops)

July 3-29

A Summer Study Tour of German-speaking countries planned to provide the student the opportunity to develop a deeper understanding of the German language, culture and people. Prerequisite: One year of college German or equivalent and permission of tour director. Students must enroll in 2 to 4 credits from among the following:
MFL 495 Field Experience, 3-4 cr.

MFL 394 Special Topics, 2-4 cr.

Germ 311 Composition and Conversation, 2 cr.

For further information, contact Professor Erhard W. Gross, Department of Foreign Languages, SDSU, Brookings, SD 57007, 688-5101.

Summer Study in France

MFL 495 Field Experience and Internship: Summer Study in France. Prerequisite: Fren 102 or consent. Six credits to be completed in France during 6 weeks (June, July or August).

Project must be submitted to the Director of the program by May 1 for approval. Program includes planning of individual project, orientation in Paris and Chartres, individual travel and study, homestay, and evaluation. Estimated cost for 6 weeks including fees, room and board, and travel from Brookings: \$1200. Contact Dr. Ruth Redhead, Department of Foreign Languages, SDSU, Brookings, SD 57007, 688-5101

MFL 394 1978 Scandinavian Summer Studies Special, Session I (Four Weeks) Introduction to Norwegian Language and Culture, (Undergraduate Course Special) (3,1)
C. Sunde.

The practical use of Norwegian for travelers is emphasized. The reading of elementary texts is supplemented with the foreign language laboratory. Presentations and demonstrations by guest lecturers will include such subjects as literature, rosemailing, music, art, etc.

The course will not apply toward the foreign language BA requirement or the foreign language major. Prerequisite: None. Offered through Extension at \$22.00 per semester hour.

GEOGRAPHY (Geog) (Interim)

380 Field Experience: North Central U.S.A., 3 cr., TBA, (May 15-June 2)

A traveling classroom 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 Pike's Peak. Interested students should contact Dr. Lee Opheim at 688-4511.

390 Special Problems: Dying and Death, 1 cr., (May 15-20)

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. Edward Hogan, 688-4511 or Dr. Charles Blazey, 688-4106.

Eight Week Session

212 Geography of North America, 3 cr., Weinkauff

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

337 Atmospheric Sciences, 3 cr., Sandness Systematic methodological investigation of the meteorological elements (weather, climate, altitude, etc.) and their effects on geographic features.

383 Cartography, 3 cr., Opheim

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

390 Special Problems in Geography, 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. Sophomore, Junior, or Senior standing and/or consent.

484 Remote Sensing, 3 cr., Weinkauff

Applications of remote sensing. Emphasis is placed on the development of remote sensing, instrumentation, and techniques and methodology that will aid in the determination of man's need and proper utilization of our physical and cultural resources. P. 483 or consent.

506/606 Seminar in Systematic Geography: Computer Mapping, Sec. 2, 3 cr., Sandness

A systematic study of the application of cartographic techniques utilizing computer graphics.

790 Thesis in Geography: M.S., 1-6 cr., Sec. 1, Staff

790 Thesis in Geography: M.S. Sustaining, 1 cr., Staff

792 Special Problems, 1-4 cr., Hogan

(Workshops and Special Events)

Classroom on Wheels

Geog 380 Field Experience: North Central U.S.A., 3 cr. or History 381 Field Experience: The American North Central Frontier, 3 cr. (May 15-June 2)

A traveling classroom which is designed to enable the student to study the history and geography of the North Central States in the field. Among the various places to be visited and studied are: The Big Horn Mountains, Yellowstone National Park, Grand Canyon, Mesa Verde, and Pike's Peak. The Classroom on Wheels is limited to 15 students, and students should apply by April 1978. For further information, please contact Dr. Lee A. Opheim, Department of Geography, 688-4511.

390 Special Problems: Dying and Death, 1 cr., (May 15-20)

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. Edward Hogan, 688-4511, or Dr. Charles Blazey, 688-4106.

HEALTH, PHYSICAL EDUCATION AND RECREATION (HPER) (First Session)

HLTH/PT 159 Emergency Medical Care, 2 cr. The objective of this course is to develop or upgrade the skill levels of all individuals involved in emergency medical care services. Introduction to basic anatomy, physiology, and emergency medical care for students planning a career in the health sciences.

HPER 582/682 Seminar in Advanced Measurements in HPER, 2 cr.

Course designed to acquaint students with current statistical tests commonly used in data analysis in HPER.

HPER 792 Individual Research and Study in Health Education, Physical Education and Recreation, 1-4 cr., TBA, Hattestad

Special problems investigated by individuals. Results of study presented in special reports and term papers. P. Major in this field.

PE 100, Beginning Swimming, Sec. 1, 1 cr.

PE 100, Tennis, Sec. 2, 1 cr.

PE 100, Tennis, Sec. 3, 1 cr.

PE 100, Beginning Swimming, Sec. 4, 1 cr.

PE 360 Elementary Physical Education, 2 cr. Needs, characteristics, capacities of elementary school children; curriculum planning; organizational problems; and methods, and materials essential to program progression in movement exploration, dance games, self-testing. P. sophomore standing.

PE 751 Advanced Evaluation in HPER, 3 cr. 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.

PE 770 Advanced Administration of Interscholastic Athletics, 2 cr.

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.

(Second Session)

HPER 742 Psycho-Social Aspects of Sport, 2 cr.

Psychological principles, theories and laws applied to physical education and athletic situations. Interpretation of behavior in sports. P. graduate standing, permission of staff.

HPER 783 Research Methods in HPER, 3 cr. 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 100, Tennis, Sec. 5, 1 cr.

PE 100, Golf, Sec. 6, 1 cr.

PE 100, Handball-Racquetball, Sec. 7, 1 cr.

PE/PT 450 Exercise Physiology, 3 cr.

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.

RECR 740 Advanced Administration of Community Recreation Programs, 2 cr. Problems related to equipment; establishing programs; budget and finance; selecting and supervising staff; public relations activities. P. graduate standing, permission of staff.

(Workshops)

To enroll for academic credit (581) a student must be at least a Junior in college. For graduate credit (681) one must have a Bachelors degree.

PE 581/681 Water Safety Instructor's Workshop, Sec. 1, 1 cr., May 29-June 2, Erickson

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

PE 581/681 Competitive Swimming and Diving Camp, Sec. 3, 1 cr., June 4-9, Erickson

PE 581/681 Gymnastics Camp, Sec. 4, 1 cr., June 4-9, Snyder

PE 581/681 Wrestling Camp, Sec. 5, 1 cr., June 4-9, Linander

PE 581/681 Sportswriting Camp, Sec. 6, 1 cr., June 11-16, Lenz

PE 581/681 Cheerleading Camp, Sec. 7, 1 cr., June 18-22, Andersen

PE 581/681 Boy's Basketball Camp, Sec. 8, 1 cr., June 18-24, Zulk and Thorson

PE 581/681 Girl's Basketball Camp, Sec. 9, 1 cr., June 25-July 1, Davis

PE 581/681 Outdoor Recreation Education Workshop, Sec. 10, 1 cr., June 29-July 2, Williamson

PE 581/681 Volleyball Camp, Sec. 11, 1 cr., July 10-13, Marske and Davis

PE 581/681 Football Camp, Sec. 12, 1 cr., July 16-21, Gregory

PE 581/681 Athletic Training Camp, Sec. 13, 1 cr., TBA, Booher (To be held sometime in late July, contact Dr. Booher for exact dates)

PE 581/681 American Drill Team School, Sec. 14, 1 cr., TBA, Andersen

PE 581/681 Cross Country Camp, Sec. 15, 1 cr., July 24-28

PE 581/681 Karate Camp, Sec. 16, 1 cr., TBA, Gould

PE 581/681 Wrestling Camp, Sec. 17, 1 cr., July 31-Aug. 3, Linander (in Rapid City)

Mini-Workshops

Rec 581/681 Boundary Waters Workshop, 1 cr., May 17-23, Olson

Recr 581/681 Backpacking Workshop, 1 cr., May 26-29, Williamson

HEALTH SCIENCE (HSc) (Interim)

442 Special Problems: Dying and Death, 1 cr., TBA

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. Charles Blazey 688-4106, Dr. Ed Hogan 688-4511.

(First Session)

443 Public Health Science, 3 cr., 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

A comprehensive look at the areas of dying and death in 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.

HISTORY (Hist) (Eight Week Session)

265 History of the American West, 3 cr., 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., Bell Primary emphasis on Greece and Rome.

355 Civil War & Reconstruction, 3 cr., Sweeney

Development of the ante-bellum South; social, political, and economic factors leading up to the outbreak of the Civil War; the Reconstruction period and problems of the post war South.

360 Topics in American History: America in the 1920s, 3 cr., Bell

Political, economic, social and cultural developments in the U.S. from the end of WWI to the New Deal.

393 Nazi Germany, 3 cr., Crain

Detailed survey of Weimar and Nazi periods between 1918-1945. Political, social, cultural economic aspects.

393 Britain and Ireland Since 1815, 3 cr., Funchion

An examination of political and social developments in Great Britain and Ireland from the end of the Napoleonic Wars to the present.

HOME ECONOMICS (HE) (First Session)

442 Home Management House Laboratory, 3 cr.

Home management laboratory with experience in problems that arise in a home. P. HE 241, NFS 251.

790 Thesis, 1-4 cr.

(Second Session)

673 Special Problems: Financial Management for Youth and Adults, 3 cr.

(Eight Week Session)

471 Professional Practicum, 1-12 cr. P. consent of instructor.

482 Practicum in Extension, 8 cr. P. consent of instructor.

HOME ECONOMICS EDUCATION (HEd)

(First Session)

331 Practicum in Occupational Teacher Education, 1-3 cr. *Visiting professor. Reservations by May 1.*

A practicum in work experiences to develop competencies desirable for teaching occupational programs.

494 Supplementary Teaching in Home Economics, 1-3 cr.

Designed for teachers and student teachers who desire additional experience in teaching specific areas of Home Economics.

751 Curriculum in Home Economics Education, 2 cr. *Visiting professor. Reservations 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.

Ho 472 Professional Internship in Horticulture, 3-12 cr., TBA

Supervised on-the-job experience program for selected horticulture students which will contribute significantly beyond usual work experience in training of students. P. at least junior standing, must have completed two years of the horticulture curriculum, and consent of instructor.

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

La 472 Professional Internship in Landscape Design, 3-12 cr., TBA

Supervised on-the-job experience program for selected landscape design students which will contribute significantly beyond usual work experience in training of students. P. at least junior standing, must have completed two years of the landscape design curriculum, and 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.

F 471 Problems, 1-2 cr., TBA
Special investigations in forestry. Maximum of four hours credit. P. consent of instructor.

F 472 Professional Internship in Forestry, 3-12 cr., TBA

Supervised on-the-job experience program for selected forestry students which will contribute significantly beyond usual work experience in training of students. P. at least junior standing, must have completed two years of the forestry curriculum, and consent of instructor.

JOURNALISM AND MASS COMMUNICATION (MCom)

(Eight Week Session)

313 Publicity Methods, 2 cr.
Newswriting, organizing publicity campaigns, press relations. For students expecting to become county agents, home economics leaders or teachers. Not open to students who take 210.

413 Journalism Internship, 1-4 cr., TBA
Supervised experience. P. consent of department. Open only to upper division journalism students.

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

573/673 Public Relations, 3 cr.
Principles, methods and techniques of interpreting institutional and industrial policies and programs to the public.

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

790 Thesis, 1-3 cr., TBA

(Workshops and Special Events)

Institute for School Publications Newspapers and Photography, June 5-9; Yearbooks and Advanced Photography, June 12-16

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 lecturers 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.
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.

***123 Mathematical Analysis I, 5 cr.**
Analysis of straight line, limits, derivatives of algebraic functions, maxima and minima, rates, curve tracing, differentials and integration. P. 2 units of high school algebra and ½ unit of trigonometry along with good high school record, or Math 113.

***224 Mathematical Analysis II, 4 cr.**
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. P. Math 123.

225 Mathematical Analysis III, 3 cr.
Multiple integrals, hyperbolic function, infinite series, vectors, and application. P. Math 224.

321 Differential Equations, 3 cr.
Differential equations with applications in fields of geometry, mechanics, and physics. P. 225.

*Either Math 123 or 224 will be offered depending upon demand.

MECHANIZED AGRICULTURE (MA)

(First Session)

452 Teaching Agricultural Mechanics, 2 cr., (1-3), 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 Ag 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.

492 Field Experience in Mechanized

Agriculture, 1-2 cr., Staff

Supervised field experience with a Mechanized Agriculture related enterprise for exposure to industry situation. Will give practical experience to supplement classroom training and reinforce career objectives. P. junior standing. Supervised.

512/612 Advanced Farm Machinery, 2 cr., (1-3), Kimmons, (offered in 1978)

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

542/642 Advanced Rural Electrification, 2 cr., (1,3), Verma, (offered in 1978)

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

(Workshops and Special Events)

500/600 Special Topics in Teaching

Agricultural Mechanics, 1 cr., Kimmons

Small power units. Specialized in-service training of four days duration each at three different locations. Locations dependent upon addresses of participants.

West River July 10-13

Southeast July 17-20

Northeast July 24-27

MICROBIOLOGY (Micr)

(Eight Week Session)

231 General Microbiology, 4 cr., Stangeland

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

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

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

472 Field Experience and Internship Program, variable credit, TBA, Staff

Microbiology credit may be obtained for practical experience or internships related to Microbiology. Consent of instructor and prior arrangements must be made.

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

MILITARY SCIENCE (Mil)

(First Session)

101/102, Military Science I, 2 cr.

Fundamentals of leadership and management. Organization of the Army and ROTC. Military geography and use of maps. Fundamentals of marksmanship, military geography, and range firing. Tuition-free credits.

(Second Session)

201/202 Military Science II, 2 cr.

Operations of military teams. Functions, duties and responsibilities of junior leaders and their historical role. Military history, policies, experiences and tradition in peace and war, and growth and development of the Army's role in national security.

MUSIC (Mus)

(Interim)

Mus 591/691 Directed Studies, 1-2 cr., Johnson

Elgard Varese: A Study of the Man and His Music (selected literary and musical works by the composer will be studied)

(First Session)

Mus 590/690 Independent Studies, 1-3 cr., Sec. 1, Pedagogy, TBA, Colson; Sec. 2, Counterpoint, TBA, Royer; Sec. 3, Forms and Analysis, TBA, Royer; Sec. 4, Conducting, TBA, Colson, Sec. 5, Orchestration and Arranging, TBA, Royer.

Mus 591/691 Directed Studies, 1-2 cr., Sec. 1, Piano Teachers Workshop, Spencer, June 12-16; Sec. 2, TBA; Sec. 3 Wind Instrument Literature (An Intensive Investigation of Study, Solo and Ensemble Materials for All Wind Instruments) 2 cr., TBA. Colson.

MuAp 102/202 Individual Instruction, Voice

MuAp 302/402 Individual Instruction, Voice

MuAp 110/210 Individual Instruction, Keyboard Sec. 1 Piano; Sec. 2 Organ

MuAp 310/410 Individual Instruction, Keyboard Sec. 1 Piano; Sec. 2 Organ

MuAp 120/220 Individual Instruction, Woodwinds

MuAp 320/420 Individual Instruction, Woodwinds

MuAp 130/230 Individual Instruction, Brass

MuAp 330/430 Individual Instruction, Brass

MuAp 140/240 Individual Instruction, Percussion

MuAp 340/440 Individual Instruction, Percussion

(Second Session)

Mus 590/690 Independent Studies, 1-3 cr., Sec. 5, Music Education; Sec. 6, Pedagogy

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

Mus 100 Music Appreciation, 2 cr.

Mus 300 Jazz, Rock and Blues Survey, 2 cr.

MuAp 102/202 Individual Instruction, Voice

MuAp 302/402 Individual Instruction, Voice

MuAp 120/220 Individual Instruction, Woodwind

MuAp 320/420 Individual Instruction, Woodwind

MuAp 130/230 Individual Instruction, Brass

Mu Ap 330/430 Individual Instruction, Brass

MuAp 140/240 Individual Instruction, Percussion

MuAp 340/440 Individual Instruction, Percussion

Mus 591/691 Conceptual Music Encounter Group, 1-2 cr., Johnson

This directed studies offering will be aimed at attempting to help the student discover new ways of conceptualizing musical composition, and develop the concept of group performance based upon musical encounter with other musical humans.

(Workshops)

All-State Music Camp, June 4-10; For Jr. and Sr. High School Music Students; Chorus, Band and Orchestra, Chamber Music, Private Lessons.

Mus 591/691 Piano Teachers Workshop, 1-2 cr., June 12-16, Sec. 1

Rushmore Music Camp, Aug. 6-12; Band Camp for High School Students in the Black Hills

Mus 591/691 All-State Music Camp Director's Course, 1-2 cr., June 4-10, Sec. 4, Problems in public school music; open to public school music teachers.

NURSING (Nurs) (First Session)

400 Special Problems in Nursing, 3 cr. (2,3)

Individual study of special problems in psychiatric-mental health nursing. Examples of possible areas of clinical study include support groups for troubled persons focusing on such topics as loss, drugs, human sexuality, visual and ambulation problems; short-term family counseling; community mental health nursing. Student interests encouraged and used in planning clinical study.

Open to upper division students who have satisfactorily completed N353, N355 and to registered nurses. Consent of instructor necessary. Enrollment limited.

(Eight Week Session)

400 Special Problems in Nursing Physical Assessment, 3 cr., TBA.

This course will introduce students to a basic orientation of physical assessment. It will provide them the opportunity to develop the skills of health history taking and physical assessment. This three credit course will consist of lecture-demonstration, independent study and supervised clinical practicum. It is open to R.N.'s

NUTRITION AND FOOD SCIENCE (NFS)

(First Session)

321 Human Nutrition, 3 cr.

Principles of nutrition and application to human dietary needs of people of different ages, with major emphasis on young adults.

661 Special Problems in Food and Nutrition, 1-4 cr., Johnson

Special study in food and nutrition. P. consent of instructor.

PHILOSOPHY (Phil)

(Interim Session)

235 Elementary Logic, 3 cr.

The nature of deductive arguments, a careful investigation of various forms of incorrect reasoning (informal fallacies), and an introduction to formal symbolic logic.

(First Session)

225 Introduction to Ethics, 3 cr.

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.

455 Special Problems: Philosophy of Religion

A philosophical study of the concept of God, proofs for God's existence, questions of the nature of truth in religious statements, and an inquiry into the meaning of religious language.

PHYSICS (Phys)

(Eight Week Session)

331 Atomic Physics, 3 cr.

Evaluation of experimental evidence concerning atomic and nuclear structure with emphasis on impact of twentieth century developments on science and engineering. P. 213, or 113 and consent of instructor.

495 Special Topics, 1-3 cr., TBA

Special problems either from theoretical or experimental approach. P. consent.

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

Individualized special projects either from a theoretical or experimental approach. P. consent.

PLANT SCIENCE (PS)

(Eight Week Session)

472 Internship in Plant Science, 1-12 cr., TBA

Supervised off-campus experience with a crop production-related enterprise. Intended to provide practical experience to supplement classroom training and reinforce

career objectives. Written reports are required. Application for permission to register must be made one semester in advance. P. junior standing and consent of department head.

490 Special Problems, 1-4 cr., TBA

Assigned readings, research and written reports. Limit of four hours in each major for B.S. degree. P. consent of instructor.

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.

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

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

790 Thesis, M.S., TBA

890 Thesis, Ph.D., TBA

POLITICAL SCIENCE (PoIS)

(Interim)

492 Seminar in Political Science: The Canadian-American Connection, 1 cr., (May 15-19)

The effect on Canadian policy and politics of its proximity to the United States. Contact Dr. Hendrickson, Political Science Department, for information.

(Eight Week Session)

100 American Government, 3 cr.

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.

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

253 Current World Problems, 3 cr.

Political characteristics of major world regions. Current problems and interrelationships.

401 The American Presidency, 3 cr.

The American presidency in the late 20th century, the role of the presidency in the American political system, its powers and limitations, and the role individual presidents have played in its development. P. 100 (or 101) 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 E or F.

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)

492 Seminar: The Canadian-American Connection, 1 cr., (May 15-19)

PSYCHOLOGY (Psyc)

(Eight Week Session)

101 General Psychology, 3 cr., Sec. 1, Sec. 2

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.

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

331 Business and Industrial Psychology, 3 cr.

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

441 Social Psychology, 3 cr.

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.

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

RELIGION (Rel)

(Eight Week Session)

237 Religion in America, 3 cr.

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.

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

349 Current Issues; Ethical and Moral

Issues in Death and Dying, 3 cr., Norlin
Modern medical technology and societal changes in the area of dying and death have raised significant moral and ethical considerations for all people. Two of these areas involve suicide and euthanasia. This course will examine these issues, exploring the various factors involved in understanding and coping with them. It is designed to help each individual evaluate his or her own perspective on these issues. Contact Dennis Norlin, 688-4825.

RURAL SOCIOLOGY

(Soc) (Anth)

(First Session)

Anth 398 Practicum in Anthropology, 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 E or F. P. Jr. or Sr. standing and Sociology major.

Anth 421 Indians of North America, 3 cr., Hess

A survey of tribal societies and native confederations from protohistoric through the historic period. Special emphasis will be placed on contemporary issues and applications of such information for teachers and others working with or having special interests in Indian culture.

Anth 590/690 Special Problems in Anthropology, 1-3 cr., TBA, Wagner

Advanced work or special problems in Anthropology. P. open to undergraduate and graduate students with sufficient background and consent.

Soc 100 Introduction to Sociology, 3 cr., Mendelsohn

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

Soc 270 Introduction to Social Work, 3 cr., Faltemier

Social casework and social services for children, the family, the aged, public welfare clients, the mentally ill, criminals, the school and the community. P. 100 or consent.

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

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 Jr. or Sr. standing.

Soc 491 Sociology Seminar: Senior Seminar, Sec. 1, 1 cr., TBA, 1st meeting June 5, 4:00, Scobey 213, Faltemier

The opportunity for extensive work in a selected area of sociology including special investigation, reports and discussion. Senior major or consent of instructor. (Required of majors)

Soc 491 Sociology Seminar: Violence in the Family, Sec. 2, 3 cr., Mendelsohn

A seminar investigating one of society's most pressing social concerns—violence occurring within the privacy of the family. Attention will be directed at violence between parents and children, between spouses, among siblings, and at the social and cultural supports for violence in the United States.

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 E or F. P. Jr. or Sr. standing and Sociology Major.

Soc 515/615 Social Thought, 2 cr., Riley

Brief survey of history and development of the world's most important social theories and schools of social thought, evaluated in light of present knowledge. P. undergraduate or graduate.

Soc 530/630 Social Change, 3 cr., Dimit

Theories concerning factors and processes in socio-cultural change. Consideration of various interpretations of socio-cultural change in terms of stages, cycles, and trends. P. undergraduate or graduate.

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

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) reports will be required. Application for permission to register must be made one semester in advance. May be repeated until 6 credits are earned. Graded E or F. 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, 4 cr., TBA, Faltemier

See description under First Session.

Anth 590/690 Special Problems in Anthropology, 1-3 cr., TBA, Wagner

See description under First Session.

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

See description under First Session.

Soc 491 Sociology Seminar, 1 cr., TBA, 1st meeting July 5, 4:00, Scobey 213, Faltemier

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, Wagner

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, Faltemier

See description under First Session.

Anth 590/690 Special Problems in Anthropology, 1-3 cr., TBA, Wagner

See description under First Session.

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

See description under First Session.

Soc 491 Sociology Seminar, Sec 1, 1 cr., TBA, Faltemier

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, Wagner

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

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 Chairperson.

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

Directed study in selected topics. P. consent of Department Chairperson.

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 Chairperson.

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 Chairperson.

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 Chairperson.

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 Chairperson.

(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 Chairperson.

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 Chairperson

SpCm 101 Fundamentals of Speech, 3 cr., Sec. 1 and 2

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 566/666 Rhetorical Theory, 3 cr.

Historical development of rhetorical theory from classical to modern times.

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 Chairperson.

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 Chairperson

SpCm 790 Thesis, 1-7 cr., TBA

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 Chairperson

(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 Chairperson.

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 Chairperson.

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 Chairperson.

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 Chairperson.

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 Chairperson.

(Eight Week Session)

SpCm 101 Fundamentals of Speech, Sec. 3 and 4, 3 cr.

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 576/676 Directing Speech Activities, 3 cr.

Organizing and directing declamation, forensic and dramatic programs.

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.

(Workshops)

Speech, Workshop in Speech and Drama Activities (June).

STATISTICS (Stat) (Eight Week Session)

211 Survey of Statistical Application, 3 cr., 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.

Elementary concepts in probability, data description, distributions, sampling, statistical inferences (parametric and non-parametric). P. Math 111 or equivalent. Credit will not be given for both 211 and 341.

TEXTILES, CLOTHING AND INTERIOR DESIGN (TCID)

(Second Session)

692 Special Problem: Contemporary Housing and Interior Design, 3 cr., Yost and Lyman

(Eight Week Session)

494 Special Problem in Textiles, Clothing and Interior Design, 1-4 cr., Consent of instructor.

(Workshop)

592/692 Special Problem: Pattern Alteration Workshop, 1 cr., Visiting professor.

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

Director of Summer School
Administration Building
South Dakota State University
Brookings, SD 57007

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1978 Summer Edition

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