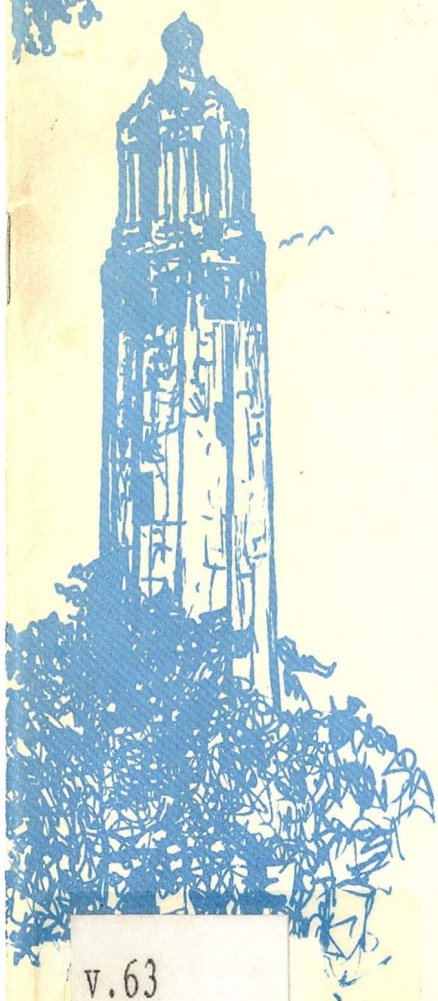


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1971 SUMMER SESSION



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SOUTH DAKOTA STATE UNIVERSITY—BROOKINGS

8 WEEKS—JUNE 9 TO AUGUST 5



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1971 SUMMER SESSION
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MELON FEEDS
PLAYS
SWIMMING
GOLFING
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SOUTH DAKOTA STATE UNIVERSITY

UNIVERSITY STATION, BROOKINGS, SOUTH DAKOTA 57006

1971

summer session bulletin

1971 SUMMER SESSION ADMINISTRATION

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SOUTH DAKOTA STATE UNIVERSITY LIBRARY

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general information

THE STATE UNIVERSITY regular Summer Session for 1971 will be an eight-week period opening June 9 and closing August 5. However there will be many courses offered during a four-week period June 10 to July 8. There will also be a variety of workshops offered for short periods during the summer term.

Registration will be Wednesday, June 9, 8 a.m. to noon. Register at that time and be ready to start classes Thursday at 6:50 a.m. You should plan to arrive in Brookings in time to arrange for living quarters before school opens.

The eight-week summer session has been arranged to be of maximum benefit to teachers, students who are now enrolled in the University, and high school students who wish to begin their college work. Courses will be offered in all six colleges of the University—Home Economics, Arts and Science, Agriculture, Engineering, Pharmacy and Nursing.

The normal course load in the eight-week session is eight semester hours of credit. During the four-week period, the normal load is four semester hours.

If you wish to study courses not listed in the Summer Session Bulletin, write to the Director of the Summer Session to determine whether special provision for studying these subjects might be made.

The University reserves the right to withdraw any courses for which there is not sufficient demand.

WHO CAN BENEFIT BY ATTENDING SUMMER SCHOOL?

Teachers in public schools who wish to broaden the field of their teaching qualifications will find many suitable courses on the schedule at State University this summer. Teachers who wish to earn a higher certificate or a higher degree will find many courses on advanced levels in the Summer Session. Those interested in further accelerating their graduate or professional improvement program may find it convenient to enroll in evening and Saturday classes offered on campus during the

regular academic year.

There will also be programs for those who wish to earn credit for certification renewal and for those who wish to branch out into other fields.

Licensed Professional Nurses will have an opportunity to select a number of courses applicable to their field of work from the offerings of nursing and the other colleges. Credits can be applied toward a baccalaureate degree in nursing.

High school students may wish to begin their college work immediately following their high school graduation. Beginning courses for the high school graduate will be available.

It is particularly desirable for students planning on technical fields such as engineering who may not have had required mathematics courses, to register for summer school and make up such deficiencies.

Students of high ability may, by careful selection of courses, accelerate their University career and complete the requirements in approximately three calendar years.

University students who wish to accelerate their programs, or have been unable to take certain required courses during the college year, may find the courses which they need listed in this bulletin.

ADMISSION

A student entering directly from high school should request the principal send a transcript of his records to the Director of Admissions at State University before registration. A candidate for entrance to the Freshman class must present at least 15 units of high school credit. A student who present 14 units may be admitted as a conditional freshman.

STUDENT LOAD

The normal load is 5 credits for the four-week session and 9 credits for the eight-week session. An overload may be taken only by special permission from the College Dean concerned.

HOUSING

Residence hall rooms are available to all students who want them. Single women who are not seniors and are under 21 years of age whose parents are not residents of Brookings are required to live in women's residence halls unless permission to live elsewhere is granted by the Housing Office.

Single men of freshman and sophomore standing are required to live in University men's residence halls if they are under 21 and their parents are not residents of Brookings.

The charge for rooming in the University residence halls is \$11 per week for a double room. A limited number of single rooms are available at \$16.50 weekly. Rates include telephone which is not optional. Advanced room reservations should be made by contacting the Director of Student Housing.

Students who live in residence halls will need to furnish a mattress pad, pillow and blankets for a single bed. Students may provide all other linens necessary but a rental linen service is available near the campus which provides two sheets, one pillow case, and three bath towels per week at a very nominal charge. Study lamps may need to be provided by the students.

Workshop and conference room rentals are \$3 each night for rooms made up with linens provided or \$2 each night if the participants furnish their own linens. Single rooms are \$4.50 with linens.

Meals are available at the Pugsley Union as well as at restaurants near the campus. The cost of meals is estimated at \$12-15 a week.

Some furnished apartments for married students are available on the campus. Most of these are rented as sublet units from student occupants; others rent furnished apartments directly from the University Housing Office. Rentals range from \$70 to \$80 per month depending upon the size of apartment. Persons interested in such accommodations should write to the Director of Student Housing, South Dakota State University, University Station, Brookings, South Dakota 57006.

The Housing Office maintains a listing service to assist students in securing off campus rooms or apartments.

TUITION AND FEES

Tuition and Fees	Resident	Non-resident
Undergraduate tuition per credit hour ^o	\$11.50	\$27.50
Graduate tuition per credit hour	15.00	30.00
Music as per card		
General College Fee—All students \$1.30 per credit with a minimum charge of \$4.		
Matriculation Fee—		
New students only	5.00	5.00
Student Activity Fee†	4.00	4.00
Late Registration	10.00	10.00

^oThe normal load for the four-weeks Summer Session is four semester credits with a maximum of five credits. The normal load for the eight-weeks Summer Session is eight semester credits with a maximum of nine credits.

†Students enrolled in a regularly scheduled Summer Session course must pay the Student Activity Fee of \$4.00.

Load Adjustment—Refund

Refunds for courses are allowed through June 18 upon approval by the college dean.

Discontinuance of Enrollment—Refund

One week or less	60%
Between one and two weeks	20%
After two weeks	0%

Student Health Service is available to summer school students. The Health Service is located in West Hall at the corner of 10th Street and 9th Avenue. A registered nurse is on duty from 8 a.m. to noon and from 1 p.m. to 5 p.m. each weekday while summer school is in session. The nurse will refer patients needing a doctor to the Brookings Clinic. You should go through the Health Service (except in emergencies) rather than going directly to the clinic.

Nights and weekends students who need a doctor should go to the out-patient room of the Brookings Hospital.

GRADUATE WORK

BEGINNING STUDENTS WHO WISH TO ENTER THE GRADUATE SCHOOL MUST MAKE APPLICATION BEFORE THE SUMMER SESSION BEGINS AND IN SUFFICIENT TIME TO BE APPROVED. APPLICATION FORMS MAY BE OBTAINED FROM THE GRADUATE DEAN'S OFFICE.

The University offers many opportunities for research and for course work beyond the Bachelor's degree. Credits earned in such advanced work may be applied toward the degree of Master of Science, Master of Arts, Master of Education or Doctor of Philosophy. The student is referred to the Graduate Bulletin for details concerning graduate work. The Graduate Bulletin is available upon request from the Graduate School.

Of courses listed in this bulletin, those numbered 700 or above are at the graduate level, and are not open to undergraduates. Six hundred (600) courses are open to advanced undergraduates as well as graduates. The 300 and 400 courses are open to graduate students for credit, but may be used in a graduate program only by permission and at reduced credit (80%) with a limit of seven credits.

Transient Application

Students expecting to enroll in a limited number of courses (not over 10 hours) and who do not expect to work toward a degree, may use the transient application form. This procedure does not require submission of a transcript or payment of the application fee. Certification of Completion of a Bachelor's degree from an accredited institution is required, however.

Graduate Credit

For the Master of Science and Master of Arts Degree. Thirty credits of graduate work constitute the minimum credit requirements for these degrees. From 19-22 credits are required in the major field and 8-11 credits in the minor or supporting courses.

For the Master of Education Degree:

Option A — Thirty-two credits are required. From 21-24 credits are required in the major and 11-8 credits are required in the minor or supporting courses.

Option B — Thirty-five credits are required. From 24-27 credits are required in the major and 11-8 credits are required in the minor or supporting courses.

For the Ph.D. Degree. An Advisory Committee, together with the student works out a plan of study. At least 15 hours of the graduate program must be done outside the major department. Such courses may be either in a single minor or related courses in more than one department.

Scholarship

Grades in all work submitted for an advanced degree must average "B" or better, both in

the major and the minor or supporting courses and no credit will be given a grade below "C". A "B" average in all graduate and converted credit courses taken at South Dakota State University is necessary for graduation.

Converted credit courses require a grade of "B" or better for each course used in a graduate program.

Transfer of Credit

Toward the Master's Degree. Graduate credits earned in other institutions may be accepted if they have been approved by the departments concerned and if they were earned at a grade of "B" or better. Such transfer is limited to seven credits in the major and three credits in the minor or supporting courses.

Toward the Ph.D. Degree. Transferred graduate credits will be evaluated by the Advisory Committee of the student, and his program adjusted accordingly.

Time Limit

If the requirements for a Master's degree are not completed within a period of six years, or for a Ph.D. within a period of eight years, a reconsideration of the student's program will be necessary. Courses that have been outdated may be repeated for credit; or if the departments concerned approve, other courses now current may be substituted for them. In some instances a comprehensive examination over an outdated course may satisfactorily bring the subject matter up to date.

ACCREDITATION

The University is accredited by the North Central Association of Colleges and Secondary Schools, the National Council for the Accreditation of Teacher Education, and is a member of the North Central Conference on Summer Schools. Other departments and divisions are similarly accredited—see General Catalog for list.

FACULTY

The teaching staff for the 1971 Summer Session will consist largely of the regular faculty of the University, plus a number of outstanding visiting instructors with a national reputation who will be called in to offer instruction in certain specialized courses.

SENIOR AND ALUMNI PLACEMENT

The Placement Services Office assists graduating seniors and alumni in finding permanent full-time employment in all fields including teaching. Its chief function is to help qualified

candidates obtain permanent employment or promotion in the work for which they have prepared themselves. Alumni are eligible to use the services of this office for consultation and placement at any time.

Teachers and others who desire to have the Placement Service notify them when suitable vacancies occur may register during the Summer Session.

RECREATION AND SOCIAL ACTIVITIES

A program of organized social activities and recreation has been arranged to provide maximum entertainment and relaxation for Summer Session students. The program will be varied in nature and activities of interest to all

groups have been arranged. Activities of a social nature will include picnic and coffee hours. Tennis courts, baseball diamonds, equipment for archery, and other sports will be available for students' use. Students with activity tickets will be allowed to use the golf course north of the University campus and farm, from Monday through Friday. The regular greens fee will be charged students on weekends.

An outstanding convocation program of professional entertainment is planned in the fields of art, music and dramatics. Several movies will be shown. There will be a Sunday evening vesper service.

CLASS SCHEDULE FOR 1970 SUMMER SESSION

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

Two-credit courses meet four-50 minute periods per week.

Three-credit courses meet five-60 minute periods per week.

Four-credit courses meet eight-50 minute periods per week.

Five-credit courses meet ten-50 minute periods per week

COLLEGE AND DEPARTMENTAL ABBREVIATIONS

AE, Agricultural Engineering	Fr, French	Mil, Military
Ag, Agriculture and Biological Sciences	GC, Guidance and Counseling	Mus, Music
AgEd, Agricultural Education	GE, General Engineering	N, Nursing
AgExt, Agricultural Extension	Geo, Geography	NFS, Nutrition and Food Science
A & S, College of Arts and Science	Ger, German	Pha, Pharmacy
AS, Animal Science	GR, General Registration	Phil, Philosophy
Bac, Bacteriology	GS, General Studies	Phy, Physics
Bio, Biology	HE, Home Economics	PJ, Printing and Journalism
Bot, Botany	HEd, Home Economics Education	PM, Printing Management
CD, Child Development	Hist, History	PolS, Political Science
CE, Civil Engineering	Ho, Horticulture	PS, Plant Science
Ch, Chemistry	HPER, Health, Physical Education and Recreation	Psy, Psychology
DS, Dairy Science	HSc, Health Science	Rel, Religion
Econ, Economics	IAE, Industrial Arts Education	RS, Rural Sociology
Ed, Education	J, Journalism	Rus, Russian
EE, Electrical Engineering	Lib, Library	SecS, Secretarial Science
EG, Engineering Graphics	MA, Mechanized Agriculture	Sp, Speech
EM, Engineering Mechanics	Math, Mathematics	Span, Spanish
Engl, English	ME, Mechanical Engineering	TC, Textiles and Clothing
Ent, Entomology	MHE, Management, Housing and Equipment	Vet, Veterinary Science
ES, Engineering Shops		WL, Wildlife
FL, Foreign Languages		Z, Zoology

MISCELLANEOUS ABBREVIATIONS

*Time and/or credit arranged	L, Laboratory	R, Recitation (Lecture)
Cr, Credit	MTWTFs, Days of week	S, Spring semester
F, Fall Semester	P, Prerequisite	Su, Summer Session

COLLEGE OF **Agriculture and Biological Sciences**

(The University reserves the right to withdraw courses for which there is not sufficient demand)

ANIMAL SCIENCE (AS)

333 Range Analysis 3 Cr. (8 weeks)*

Theory and practice of range surveys as used by various administrative and research organizations for determination of range condition, trend, utilization and recommended stocking rate. Surveys will be conducted by students on various ranches in western South Dakota. P, 323; Bot 204, 213. Alternate years.

352 Field Studies in Range Management 2 Cr. (8 weeks)*

Extended field trip for study of range sites and condition classes in different grazing regions and to examine range research projects and action programs. P, 343. Alternate years.

600 Research Problems 1-3 Cr. (8 weeks)*

Investigation of problems in following areas with results submitted as technical paper:

1. Animal Breeding
2. Livestock Production
3. Meats
4. Nutrition
5. Range Management
6. Reproductive Physiology
7. Poultry

790 Thesis in Animal Science 5-7 Cr.*

BACTERIOLOGY (Bac)

204 General Bacteriology 4 Cr. (8 weeks)

R, MTTF 8; DB 208
L, MTTF 9:10-11:20, DB 210

General principles of basic and applied microbiology. Basic concepts of microbiology and development of microbiological techniques. P, Ch 104 or Ch 114 or Ch 164.

600 Microbiology Problems 1-4 Cr.*

Research problem in Bacteriology. P, senior or graduate standing and consent of instructor.

790 Thesis in Microbiology 5-7* Cr.

BIOLOGY (Bio)

113 Biology 3 Cr. (8 weeks)* AgH 311

Concepts of modern biology as they are related to living organisms. Emphasis on molecular and cellular organization of living organisms.

123 Biology 3 Cr. (8 weeks)* AgH 311

Concepts of modern biology as they are related to living organisms. Emphasis on the organism and interrelation of organisms.

420 Biological Problem 1-4 Cr.*

Solution of individually assigned investigative problems in biology. Individual conferences and laboratory, greenhouse, or field work. P, adequate background for assigned problems.

603 Process Approach in Teaching Science 3 Cr.

This course is designed to help the teacher and prospective teacher identify and teach certain processes deemed fundamental to science and scientific behavior. The emphasis will not be primarily on subject matter but on the general elements of the process which characterize the scientific method of analysis.

720 Graduate Biological Problems 1-3 Cr.*

790 Thesis in Biology 5-7 Cr., (8 weeks)*

BOTANY (Bot)

203 Plant Kingdom 3 Cr. (8 weeks)*

Survey of the major plant groups, their origins and evolutionary contributions. P, recommended Bio 123.

204 Basic Taxonomy 4 Cr. (4 weeks)*

Black Hills Natural Science Field Station

Principles of classification and nomenclature; demonstrations, field study and laboratory practice in identify and classifying plants. Open to all students.

303 Botanical Techniques 3 Cr., (8 weeks)*

Preparation of plant organs and tissues for critical study; production of visual aids; biological photography. P, Bio 123.

413 Plant Anatomy 3 Cr., (8 weeks)*

Developmental anatomy of seed plant axis and its appendages. Emphasis on structural fitness of tissues and organs for functions they perform. P, Bio 123.

424 Plant Physiology 4 Cr. (8 weeks) R, MTWTF

9:10; L, MWF 1:00-3:10, DB 116
Fundamental plant functions and adjustments. P, Bio 123, desirable antecedent Ch 134.

644 Plant Ecology 4 Cr., (4 weeks)*

Black Hills Natural Science Field Station

Theoretical analysis of the trophic-dynamic or energy relationships of communities with emphasis on productivity. Literature readings. Laboratory work in techniques of community analysis. Field trips.

701 Graduate Seminar 1 Cr. (8 weeks)*

790 Thesis in Botany 5-7 Cr. (8 weeks)*

DAIRY SCIENCE (DS)

680 Dairy Science Problems 1-3 Cr. (8 weeks)*

Investigation of problems in dairy production or dairy manufacturing. Results submitted as a technical paper. P, consent of instructor.

790 Thesis in Dairy Science*

*Time and/or credit to be arranged.



ECONOMICS (Econ)

203 Principles of Economics I 3 Cr., (8 weeks)

MTWTF 8:00-9:00

Analysis of U.S. economy. Emphasis on 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.

223 Principles of Accounting I 3 Cr. (8 weeks)

MTWTF 10:20-11:20

This course covers the basic accounting cycle; financial statements; asset valuation; accounting controls and concepts, payrolls, payroll taxes and an introduction to the corporate capital accounts. The emphasis is on the understanding of fundamental procedure and accounting theory.

243 Personal Finance 3 Cr. (8 weeks)

MTWTF 9:10-10:10

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

303 Business Law I 3 Cr. (8 weeks)

MTWTF 8:00-9:00

The nature and classification of law, courts, court procedure, contracts, agency, negotiable instruments, and personal property.

333 Money and Banking 3 Cr. (8 weeks)

MTWTF 10:20-11:20

Principles of money, banking and credit, major types of financial institutions and their significant functions and policies. P, 203.

353 Statistics I 3 Cr., (8 weeks)

MTWT 1:00-3:10 AgH 113

Elementary statistical concepts, index numbers, tabular and graphical presentation, frequency distributions, measures of central tendency and variability, introduction to sampling error theory, time series, and simple regression and correlation. P, Math 133 or equivalent.

473 General Insurance 3 Cr., (8 weeks)

MTWTF 9:10-10:10

A survey course in insurance to serve as a common introductory course to the fire, casualty, surety, and life branches of the insurance business, and to aid the student in his personal, financial, job and business affairs.

690 Special Problems*

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.

790 Thesis in Economics*

ENTOMOLOGY (Ent)

790 Thesis in Entomology 5-7 Cr. (8 weeks)*

HORTICULTURE (Ho)

410 Summer Practicum in Park Management 4 Cr.* (8 weeks)

Supervised training in actual on-the-site situations. Students will visit and study typical park situations in municipal, state and federal parks. P, consent of instructor.

*Time and/or credit to be arranged.

MECHANIZED AGRICULTURE (MA)

342 Soil and Water Mechanics I 2 Cr. (4 weeks)
R, MTWT 6:50, L, MTTT 8, 9:10
Engineering phases of soil and water conservation; elementary measurements and surveys, and their application to field problems; design and layout of conservation and irrigation practices.

490 Special Problems 1-3*
Special problems in Mechanized Agriculture with engineering implications for studying, investigating, and reporting where satisfactory solution must be written up in final report. Selection and completion of special problems does not require background of professional engineering courses and limited to non-engineering students. Must have approval of adviser and head of department.

632 Advanced Farm Motors 3 Cr., (4 weeks)
R, MTTT, 10:20; L, MTTT 11:30-1:00
Operation, selection, care, adjustment, and new developments of internal combustion engines as applied to farm power units.

672 Advanced Farm Structures 2 Cr., (4 weeks)
R, MTTT 6:50; L, MTTT 8:00, 9:10
Materials for farm construction; construction methods and techniques; new developments in farm buildings.

PLANT SCIENCE (PS)

490 Special Problems 1-2 Cr.*
Assigned reading, research, and written reports. P, consent of instructor. Limit of 2 hours for B.S. degree.

493 Disease Identification 3 Cr. (8 weeks)*
Field trips, recognition and identification of plant diseases. P, 234 or consent of instructor.

742 Advanced Soil Fertility 2 Cr.*
Chemistry of soil-plant relationships; advanced theory and practice in use of fertilizers. P, 323. Alternate years.

780 Advanced Special Problems 1-2 Cr.*
Advanced study and research in crops, soils, and plant pathology. P, consent of instructor.

790 Thesis 5-7 Cr.*

RURAL SOCIOLOGY (RS)

153 Introduction to Sociology 3 Cr. (8 weeks)
R, MTWTF 6:50, AgH 139
Prerequisite to most other courses numbered above

153. Comprehensive study of society, with analysis of group life and other forces shaping human behavior.

353 Population Problems 3 Cr., (8 weeks)
R, MTWTF 9:10 AgH 243
Theories of population: factors involved in birth rate, death rate, and migration. Social consequences of population change; problems of population composition and population policy. P, 153.

433 The Family 3 Cr. (8 weeks) R, MTWTF
11:30 AgH 243
Development of the family as a social institution with emphasis on comparative family systems and the contemporary American family from the standpoint of social class, ethnic background and family crises. P, 153.

633 Leadership and Group Organization 3 Cr.,
(4 weeks) MTWTF 8:00-10:10, AgH 139
Emergence of, and type of, leaders. Analysis of community power structure. Emphasis on group dynamics, small groups and effective meetings. P, 153 and consent of instructor.

683 Social Change 3 Cr., (8 weeks)*
Theories concerning factors and processes in social cultural change. Consideration of various interpretations of social-cultural change in terms of stages, cycles, and trends. P, 153, 393. Alternate years.

690 Special Problems 1-3 Cr., (8 weeks)*
Advanced work or special problems in such areas as population, marriage and family, rural sociology, criminology, social disorganization or urban sociology. P, open to seniors and graduate students with sufficient background.

780 Seminar in Anthropology 3 Cr.*

790 Thesis 5-7 Cr., (8 weeks)*

WILDLIFE AND FISHERIES SCIENCES (WL)

600 Wildlife Research Problems 1-3 Cr.*

790 Thesis 1-5 Cr.*

ZOOLOGY (Zoo)

203 Anatomy 3 Cr., (8 weeks)
R, MTWTF 8:00-9:00; L, TT 2:10-5:20,
AgH 343

Structure of various systems of body as basis for physiology. Models and charts are used with references to skeletons. Injected and embalmed rats are used for a limited amount of dissection. Credit will not be allowed for both Z 113 and Z 203.

413 Histological Techniques 3 Cr., (8 weeks)
R, T 10:20-12:30; L, MWF 1:00-4:20,
AgH 343

Techniques of preparing animal tissue sections and slides for microscopic study. Students prepare, by several different methods, a number of slides of various kinds of tissues and animals.

603 Human Genetics 2 Cr., (8 weeks)
R, MWTF 10:20-11:20, AgH 139

Subject matter of fundamental human heredity; to serve the specialist such as physician, nurse, public health worker, social worker, and general student. Basic principles used as they pertain to genetics of man. P, Bio 303. Alternate years.

790 Thesis in Zoology 5-7 Cr.*

*Time and/or credit to be arranged.

COLLEGE OF Arts and Science

(The University reserves the right to withdraw courses for which there is not sufficient demand)

AGRICULTURAL EDUCATION (AgEd)

440 Summer Experience in Agricultural Education*
2 Cr.

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.

600 Seminar in Agricultural Education 2 Cr.*

Specific problems dealing with instruction in vocational agriculture, project work, course of study, farm enterprise analysis, local survey. Reading and problem work. P, 453, 454, 458.

722 Curriculum in Vocational Agriculture 2 Cr.,
(4 weeks) MTTF 10:20-11:30

For teachers and administrators of vocational agriculture. Survey of scientific studies and literature in field; principles and procedures in course building as applied to vocational agriculture. P, graduate student in Agricultural Education.

ART

***103 Design I** 3 Cr., (8 weeks)
MTWTF 10:00-12:00

Design experiments through studio problems with emphasis on two-dimension.

***123 Drawing I** 3 Cr., (8 weeks)
MTWTF 10:00-12:00

Development of visual perception in representational and expressive drawing with various media.

213 Art Survey 3 Cr., (8 weeks) MTWTF 8:00-9:00

Place of visual arts in development of civilization and as part of our cultural heritage. Major emphasis on pleasurable and intellectual appreciation of artistic achievements. Restricted to non-art majors.

233 History of American Art 3 Cr., (4 weeks)
MTWTF 1:00-3:00

Survey of development of arts in America from colonial to present times.

403 Problems in Applied Design 3 Cr., (8 weeks)*

Independent study in art arranged in consultation with instructor. Limited to seniors with a 3.00 GPA in art and a working background in the art problem they wish to undertake.

413 Problems in Applied Design 3 Cr., (8 weeks)*

Independent study in art area arranged in consultation with instructor. Limited to seniors with a 3.00 GPA in art and a working background in the art problem they wish to undertake.

CHEMISTRY (Ch)

114 General Chemistry 4 Cr. (8 weeks) R, MTWTF
10:20—11:20, SH 352; L, MW 1:00-4:00

Introductory college chemistry. May not be substituted for Ch 104.

130 Elementary Organic Chemistry 4 Cr. (8 weeks)
Sec. 1, R, MTWTF 8, SH 212; L, MW 1:00-4:00
Sec. 2, R, MTWTF 8, SH 212 (3 Cr.)

Compounds of carbon with emphasis on those of interest to students of Agriculture, Applied Science, Home Economics and Nursing. P, 114 or 164.

164 General Chemistry 4 Cr. (8 weeks) R, MTWTF
6:50, SH 352, L, TT 1:00-4:00

Comprehensive introduction to college chemistry.

170 General Chemistry Section 1-4 Cr., (8 weeks)
R, MTWTF 6:50-7:50, SH 212
L, MW 1:00-4:00

Sec. 2—3 Cr., (8 weeks), R, MTWTF 6:50-7:50,
SH 212

Continuation of 164. P, 164 or 114 with a B average.

214 Quantitative Analysis 4 Cr., (8 weeks)
R, MTTF 9:10, SH 212; L, MTWT 1:00-4:00

Fundamental principles and laboratory practice in gravimetric and volumetric analysis; introduction to instrumental analysis. P, 171 and 173 or 170 (4 Cr.)

244 Elementary Biochemistry 4 Cr., (8 weeks)
R, MTWTF 8:00, SH 352; L, TT 1:00-4:00

Introduction to biochemical processes and the study of compounds of biological interest. P, 134 or equivalent.

334 CHEMS and CBA Chemistry 4 Cr., (8 weeks)
R, MTTF 8:00; SH 353
L, MTWT 1:00-4:00

An intensive course using the newer high school curricula with emphasis on Chemical Education Materials Study (CHEMS) and the Chemical Bond Approach (CBA). P, three semesters of chemistry.

610 Special Problems 1-4 Cr. (8 weeks) R*

Research problems in chemistry. Strongly recommended for senior chemistry majors. P, consent of instructor. Limited to a total of 4 credits.

653 Descriptive Inorganic Chemistry 3 Cr. (8 weeks)
R, MTWT 9:10, SH 352; L, TT 1:00-4:00

Laboratory work will include preparation and purification of typical inorganic compounds. P, 134, or 130 (4 Cr.) and 214, 353.

*Art 103 and 123 will be offered together.

705 Principles of Biochemistry 5 Cr., (8 weeks)
R, MTWTF 10:20, SH 212
L, MTWT 1:00-4:00
Chemistry of biological processes of plants and animals. P, 244 or 324.

790 Thesis 1-9 Cr.*

EDUCATION (Ed)

202 Practicum and Professional Laboratory Experiences 2 Cr., (8 weeks) MTWTF 10:20

Practicum in study of desirable classroom practices; observation in junior and senior high schools; identification and correction of deficiencies in basic competencies prior to advanced standing in teacher education.

302 Introduction to American Education 2 Cr., (8 weeks) MTTT 9:10

Historical, philosophical, psychological, 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 profession. An overview of education in American society for classroom teachers. P, Psy 203, junior standing.

312 Educational Psychology 2 Cr. (8 weeks) MTTT 11:30

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. Psy 203.

402 Educational Measurements 2 Cr. (8 weeks) MTTT 1:00

Measurements and evaluation applied largely to achievement in secondary school subjects. Underlying principles and best practices. Functional in emphasizing best and newest in teacher-made tests and understanding and some usage of standardized tests. Emphasis on interpretation of results. P, senior in education.

403 Methods of Teaching in Secondary Schools 3 Cr. (8 weeks) MTWTF 8:00

Combination of general and special methods. Required for certification. P, senior in education.

408 Supervised Student Teaching in Secondary Schools 8 Cr., (8 weeks)*

Assignment in student's teaching major, or sometimes in teaching minor. Must have a 2.2 GPA in Education courses, including Psychology 203 and in courses in which student is qualified to teach.

Application for courses must be made by student in second semester of junior year on proper application form. (Students, including transfer students who will be student teaching, must have a GPA of 2.2.)

412 Principles of Guidance 2 Cr. (8 weeks) MTTT 9:10

Purpose and scope of guidance services, including meanings, philosophy and concepts, basic elements of such service, personnel involved and organization and evaluation of guidance programs. P, senior in education.

422 Audio-Visual Methods and Materials 2 Cr. (8 weeks) MTTT 2:10

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

450 Problems in Education 1-3 Cr.*

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

603 Development of Vocational Education Thought and Practice 3 Cr., (8 weeks)

Emphasis on philosophy, origins, and development of vocational, technical and practical arts education programs at adult, post-secondary, secondary and pre-vocational levels. For all teachers, administrators, guidance personnel, coordinators, supervisors and other personnel in general and vocational education. Current and emerging principles, practices and issues are stressed. P, senior in Education.

613 Educational Statistics 3 Cr. (8 weeks) MTWTF 9:10

Emphasis on meanings and interpretations and applications. Deals with data from educational and psychological measures. Exercises on tabulating and graphic representations. Required of most candidates for graduate major in education. P, graduate standing. Open to seniors.

640 Education Seminar 1-3 Cr.*

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.

650 Problems in Education 1-3 Cr.*

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.

653 Organization and Administration of Adult Education 3 Cr., (8 weeks) MTWTF 9:10

Organization and development of adult education programs with particular emphasis on adult basic education. Curriculum development, financing, staffing and evaluation of adult programs.

662 Philosophy of Education 2 Cr., (8 weeks) MTTT 3:20

Comparison of historic and current philosophies

*Time and/or credit to be arranged.

of education, major emphasis of each, their effects upon educational goals and practices today.

663 Adult Teaching and Learning 3 Cr., (8 weeks)
MTWTF 1:00

Emphasizes teacher behavior in relation to adult learning. Social and cultural factors and their effects on learning process.

703 Research Methods in Education 3 Cr. (8 weeks)
MTWTF 8:00

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.

713 Public School Administration 3 Cr. (8 weeks)
MTWTF 8:00

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

722 Organization and Administration of Elementary Education 2 Cr. (8 weeks) MTTT 6:50

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. P, 713.

732 Elementary School Curriculum 2 Cr. (8 weeks)
MTTF 10:20

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

733 Elementary and Secondary School Supervision 3 Cr. (8 weeks) MTWTF 6:50

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

742 Secondary School Curriculum 2 Cr. (8 weeks)
MTTF 11:30

Nature and principles of curriculum in secondary schools. Newer trends and modern curriculum de-

743 Administration and Supervision of Vocational Education 3 Cr., (8 weeks) MTWTF 8:00

Organization and 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.

762 School Law 2 Cr., (8 weeks) MTTT 11:30

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

763 Advanced Educational Psychology 3 Cr., (8 weeks) MTWTF 11:30

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

782 School Finance 2 Cr., (8 weeks) MTTT 2:10

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.

790 Thesis in Education 5-7*

792 Research Problems in Education and Agricultural Education 2 Cr.*

Individual work. Problem selected, analyzed and data gathered and tested statistically. Reported in approved research form. Required of all graduate students in education qualifying for Master of Education degree under Option "A." P, graduate standing in education, Ed 613, 702, and 10 education credits.

ENGLISH (Eng)

113 Freshman English 3 Cr., (8 weeks)
MTWTF 9:10

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

203 Introduction to Literature 3 Cr., (8 weeks)
MTWTF 1:00

A study of the principle literary types—fiction, purpose of acquainting students with the rewards of reading significant literature.

213 Fiction 3 Cr., (8 weeks) MTWTF 11:30-12:30

Narrative prose: short story, novelette, and novel. P, 203.

303 Junior Composition 3 Cr., (8 weeks)
MTWTF 2:10-3:10

An advanced course in clear, effective expository writing, with special emphasis on the professional needs of the student. P, 103 or 113 or 143 and junior standing.

350 Advanced Exposition 2-3 Cr., (8 weeks)
MTWT 8:00-9:00

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

*Time and/or credit to be arranged.

462 Recent American Literature 2 Cr., (8 weeks)
MTWT 10:20-11:20

Intensive study of a selected phase or type of American literature, specifically concentrated on recent trends in fiction and poetry. P, 323, 343 or consent.

602 Research Tools 2 Cr., (8 weeks)
MTWT 10:20-11:20

Survey of reference and research materials of special value and interest to students of the Humanities. Required of all candidates for the M.A. degree in English.

610 Victorian Literature 3 Cr., (8 weeks)
MTWTF 9:10-10:10

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

623 Advanced Studies in American Literature 3 Cr.,
(8 weeks) 8:00-9:00

Intensive study of selected aspects of American literature. Problems such as the development of the American novel, twentieth-century American poetry, American literary criticism, or colonial American literature will be covered in the course. Alternate years.

690 Special Problems 1-3 Cr., (8 weeks)*

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

790 Thesis 1-5 Cr.*

FOREIGN LANGUAGE (FL)

203-213 Second Year French 3 Cr. each (8 weeks)
MTWTF 8:00-10:10 Lab*

Aims of first year French continued. Reading of works of well-known modern authors, practice in conversing and writing in French. Classwork supplemented with foreign language laboratory. P, 114 or equivalent.

263-273 Second Year Spanish 3 Cr. each, (8 weeks)
MTWTF 8:00-10:10 Lab*

Aims of first year Spanish continued. Reading works of well known authors, practice in conversing and writing in Spanish. Classwork supplemented with foreign language laboratory. P, 174 or equivalent.

GEOGRAPHY (Geo)

203 Introduction to Human Geography 3 Cr.,
(8 weeks) MTWTF 10:20

The geographic pattern of mankind and the differentiation of the world in terms of population, race, language, religion and basic economic activities. The geographical limitations on man's behavior and systems of political and economic life will be emphasized in understanding the contemporary culture map of the world.

*Time and/or credit to be arranged.

363 Africa: A Regional Survey 3 Cr., (8 weeks)
MTWTF 9:10

The major natural regions of the African Continent of many European colonies and emerging nations. The activities and customs of the native tribes and the manner in which they have responded to European influences. Africa's position as a storehouse of raw materials. Strategic position in future military planning.

670 Special Problems in Geography 2-4 Cr.
(8 weeks)*

Selected studies in Geography to meet the needs of advanced students.

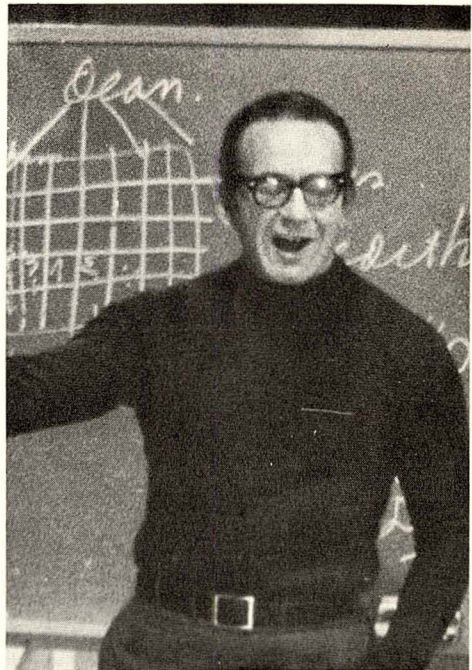
GUIDANCE AND COUNSELING (GC)

603 Group Testing 3 Cr. (8 weeks) MTWTF 6:50

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

612 Principles of Guidance 2 Cr. (8 weeks)

MTTF 9:10
Purpose and scope of guidance services, including meanings, philosophy and concepts, basic elements of service, personnel involved and organization and evaluation of guidance programs.



613 Learning Disorders of Children 3 Cr., (8 weeks)
MTWTF 10:20

Overview of various learning deficits, remedial procedures, and consideration of psychological assessments.

623 Mental Health and Personality Development
3 Cr., (8 weeks) MTWTF 2:10

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. Consent of instructor.

650 Problems in Guidance and Counseling 1-3 Cr.*

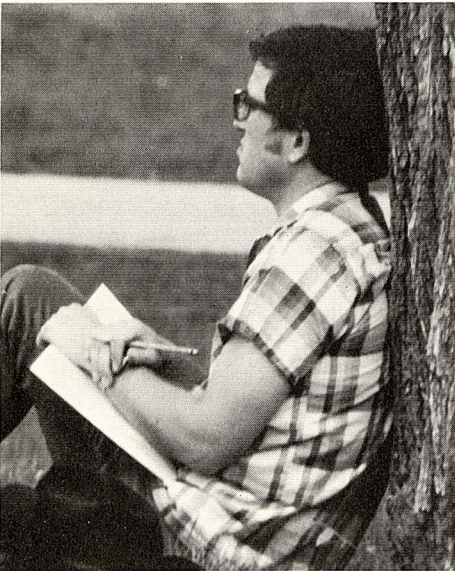
Directed reading and research in selected individual guidance and counseling problems. Designed to meet needs of graduate students in guidance and counseling

700 Seminar in Guidance and Counseling 1-2 Cr.*

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 majors. P, 20 semester credits in guidance and counseling and consent of instructor.

702 Individual Appraisal and Evaluation 2 Cr.,
(8 weeks) MTTT 11:30

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.



703 Administration of Guidance and Pupil Personnel Services 3 Cr. (8 weeks) MTWTF 10:20

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

713 Elementary School Guidance 3 Cr., (8 weeks)
MTWTF 1:00

A study of the principles of guidance and their application at the elementary level. Emphasis is upon the function of the counselor in meeting children's needs. The nature of guidance and of the guidance services in elementary education. Post-graduate standing.

723 Occupational Education 3 Cr., (8 weeks)
MTWTF 9:10

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

742 Group Procedures in Guidance 2 Cr., (8 weeks)

Sec. 1 MTTT 6:50 and 8:00
Sec. 2 MTTT 1:00 and 2:10

Purpose and methods of group as applied to a sound guidance program. Concentration on group processes. Theoretical basis for group work in guidance, orientation activities, classroom instruction, educational and vocational planning, and group guidance. P, consent of instructor. Limited to advanced GC majors.

743 Counseling Theory and Practice 3 Cr.
(8 weeks) MTWTF 8:00

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

753 The Exceptional Child 3 Cr. (8 weeks)
MTWTF 8:00

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. Consent of instructor.

760 Counseling Laboratory and Supervised Practice
3-5 Cr.

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. In addition to laboratory and field experience, typewritten reports analyzing experiences must be submitted to supervisor. P, GC 743, advanced graduate majors in guidance and counseling and consent of Supervisor of Counselor Education.

790 Thesis 5-7 Cr., as arranged.

*Time and/or credit to be arranged.



HEALTH, PHYSICAL EDUCATION, AND RECREATION (HPER)

- 101 Tennis 1 Cr. (4 weeks) MTWTF 7:30-8:50
Gym
- 101 Golf 1 Cr. (4 weeks) MTWTF 6:30-7:50
Gym
- 101 Swimming 1 Cr. (4 weeks) MTWTF 6:30-7:50
Gym
- 101 Archery 1 Cr. (4 weeks) MTWTF 9:10-10:30
Gym
- 121 Tennis 1 Cr. (4 weeks) MTWTF 7:30-8:50
Gym
- 121 Golf 1 Cr. (4 weeks) MTWTF 6:30-7:50
Gym
- 121 Swimming 1 Cr. (4 weeks) MTWTF 6:30-7:50
Gym
- 121 Archery 1 Cr. (4 weeks) MTWTF 9:10-10:30
Gym
- 141 Swimming 1 Cr. (4 weeks) MTWTF 6:30-7:50
Gym
- 171 First Aid 1 Cr., (4 weeks) MTWTF 1:30-2:50
Gym

Includes material specified by the Red Cross for the standard and advanced courses. Satisfactory completion of course will qualify student for Red Cross certificate.

241 Golf 1 Cr., (4 weeks) MTWTF 6:30-7:50 Gym
Theory and practice of golf. May not substitute for HPER 101-121.

251 Tennis 1 Cr., (4 weeks)
MTWTF 7:30-8:50 Gym
Theory and practice of tennis. May not substitute for HPER 101-121.

261 Archery 1 Cr., (4 weeks)
MTWTF 9:10-10:30 Gym
Theory and practice in archery target shooting. May not substitute for HPER 101-121.

313 Kinesiology 3 Cr., (8 weeks)
MTWTF 11:30-12:30 Gym 123
Mechanics and muscular action of balance and movement of the human body. P, Z 203-304, junior standing.

493 Physiology of Exercise 3 Cr., (8 weeks)
MTWTF 8:00-9:00; Gym 123
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.

602 Elementary Physical Education 2 Cr.,
(8 weeks) MTF 1:00-2:00 Gym 123
Analysis of activities, materials, techniques, and methods used in conduct of physical education for elementary grades. Progression in curriculum planning in areas of rhythm, games, self-testing, and tumbling. P, permission of department head.

713 Philosophy of HPER 3 Cr., (8 weeks)
MTWTF 9:10-10:10
Discussion and analysis of major philosophic contributions to physical education. Formation and evaluating one's belief concerning physical education. P, graduate standing, permission of staff.

722 Problems in Health and Safety 2 Cr., (4 weeks)
MTWTF 11:30-12:50
Methods of health instruction; problems of health service; problems in supervision of health environment; recent trends and problems in safety education. P, graduate standing, permission of staff.

732 Psychology of P.E. and Athletics 2 Cr.,
(4 weeks) MTWTF 7:45-9:50
Psychological principles, theories, and laws applied to physical education and athletic situations. Interpretation of behavior in sports. P, graduate standing, permission of staff.

773 Current Trends in Athletics 3 Cr., (8 weeks)
MTWTF 6:40-7:40, Gym 123
For men who are experienced in the coaching profession. Lectures, demonstrations, and visual aids will be used to give students the latest developments in the field of football, basketball, wrestling, baseball, and track coaching. P, one year coaching experience.

*Time and/or credit to be arranged.

783 Research Methods in HPER 3 Cr. (8 weeks)

MTWTF 10:20-11:20 Gym

Methods and techniques of research in field, critical analysis of master's and doctor's theses practice of research techniques. P, graduate standing. Permission of staff.

790 Thesis in HPER 6 Cr.*

793 Individual Research 3 Cr.*

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

HISTORY (Hist)

103 World History (to 1648) 3 Cr., (8 weeks)

MTWTF 1:00

Major emphasis on the development of Western Civilization from the ancient world, the mediaeval, to the end of the Reformation period.

113 World History (since 1648) 3 Cr., (8 weeks)

MTWTF 11:30

Western Civilization from the Reformation to modern times.

303 English History (to 1660) 3 Cr., (8 weeks)

MTWTF 9:10

Study and analysis of major historical factors in the development of England and the British Empire. Emphasis on cultural-intellectual forces.

333 Civil War and Reconstruction 3 Cr., (8 weeks)

MTWTF 8:00

The 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.

670 Special Problems in History 2-4 Cr., (8 weeks)*

Selected studies to meet the needs of advanced students.

INDUSTRIAL ARTS EDUCATION (IAE)

612 Wood Finishing 2 Cr., (4 weeks) MTWT 8:00

Use of all types of finishes and fillers. Use of air guns and brushes. Study of stains, solvents, and finish removers. Application of finishes on various types of wood. P, IAE, Senior standing or consent of instructor.

622 History of Industrial Arts 2 Cr., (4 weeks)*

MTWT 9:10-11:30

Development of Industrial Arts from the Swiss Cantons to the rest of the world. Introduction of the Manual Arts to the American Curriculum. The Union and Industrial Arts and Vocational Education. Legislation for the Industrial Arts Field. P, IAE Senior standing or consent of instructor.

JOURNALISM (J)

322 Publicity Methods 2 Cr. (8 weeks)

MTWT 8:00-9:00, PJ 204S

Newswriting, organizing publicity campaigns, press relations. For students expecting to become

county agents, home economic leaders or teachers. Not open to journalism or printing majors or minors. P, freshman English.

440 Problems in Reporting 1-3 Cr.* (8 weeks)

Supervised experience in practical reporting on an approved medium. P, 243 and consent.

450 Problems in Editing 1-3 Cr.* (8 weeks)

Supervised experience in practical editing on an approved medium. P, 302 and consent.

460 Problems in Advertising and Management

1-3 Cr.* (8 weeks)

Supervised managerial and advertising experience on an approved medium. P, 353 and consent.

643 Public Relations 3 Cr., (8 weeks)

MTWTF 10:20-11:20, PJ 204S

Interpreting institutional policies and programs to the public. P, senior standing.

672 Rights and Responsibilities of the Press 2 Cr.,

(8 weeks) MTWT 1:00-2:00 PJ 204S

Nature and history of the rights and responsibilities of the press; the relation of the press to individuals and society. Analysis of the court cases involving the First and Fourteenth Amendments to the Constitution. P, senior standing.

713 Research Methods in Communications 3 Cr.

(8 weeks) MTWTF 9:10-10:10 PJ 204S

Survey of major research in communications, study of methods employed; elementary statistical procedures.

720 Special Problems in Mass Communication

1-3 Cr.*

790 Thesis*

MUSIC (Mus)

Private lessons in brass, woodwinds, voice, organ and piano. 1 Credit. Open to all summer school students.

101, 201, 301, 401 **Voice** 1 Cr. (4 weeks)*

111, 211, 311, 411 **Piano** 1 Cr. (4 weeks)*

131, 231, 331, 431 **Reeds** 1 Cr. (4 weeks)*

141, 241, 341, 441 **Brass** 1 Cr. (4 weeks)*

151, 251, 351, 451 **Organ** 1 Cr. (4 weeks)*

433 Composition

Traditional and contemporary techniques in Musical Composition. P, 213 or consent of instructor (Prof. Royer).

PHILOSOPHY (Phil)

213 Introduction to Ethics 3 Cr., (8 weeks)

MTWTF 8:00-9:00

An introduction to some of the major ethical theories, and investigation of some of the problems arising from these theories and a critical analysis of the validity of these theories in light of the student's own ethical intuitions.

*Time and/or credit to be arranged.

302 Philosophic Perspectives on the Nature of Man
2 Cr., (8 weeks) MTWT 9:10-10:10

Every age has its own picture of the essential nature of man, his value, his defining characteristics, his meaning in existence. This course is designed to introduce the student to some of the more important classical answers to the questions of man's nature and more specifically to contemporary civilization's picture of man.

POLITICAL SCIENCE (PoIS)

213 National Government 3 Cr., (8 weeks)
MTWTF 8:00-9:00

The 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, the Presidency, the courts.

323 The U.S.S.R. 3 Cr., (8 weeks)
MTWTF 10:20-11:20

An understanding of the instruments of control in the U.S.S.R. and the differences in philosophy, purpose and action between totalitarian and democratic government. P, 213 or consent.

623 International Law and Organization 3 Cr.,
(8 weeks) MTWTF 9:10-10:10

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

670 Special Problems in Political Science
1-2-3 Cr. (8 weeks) Arranged

Individual guided research culminating in formal research paper.

PRINTING-MANAGEMENT (PM)

~~18 Composing Machines Vocational (8 weeks)
8 a.m.-5 p.m.~~

~~Touch system of operation, basic maintenance and fundamentals of style; 320 clock hours, with about 240 in operation and 80 in maintenance. Includes some cold-type machines.~~

~~48 Offset Camera, Platemaking (8 weeks)~~

~~Engraver's camera, 120 hours; imposition and stripping, 160 hours; and plate-making, 40 hours.~~

~~58 Offset Presses (8 weeks) 8 a.m.-5 p.m. vocational~~

~~Paper stocks and inks, 40 hours; moisture and inking systems, college levels, 80 hours; operation, 200 hours.~~

412 Newspaper Shop Practice*

Laboratory work on the Volga Tribune or other selected and approved publication. P, 213 or equivalent.

623 Graphic Arts Education 3 Cr., (8 weeks)
MTWTF 8:00-9:00 206N

Investigation of labor market trends and labor force composition changes which affect manpower

needs in the industry. Case studies and problem solving in the area of matching labor supply with industry needs through educational adjustment.

PSYCHOLOGY (Psy)

203 General Psychology 3 Cr., (8 weeks)
MTWTF 9:10

Fundamental concepts of development, learning, motivation, emotion, frustration, personality, and other basic behavioral processes. Prerequisite for all courses in psychology except 204. P, sophomore standing.

303 Business and Industrial Psychology 3 Cr.,
(8 weeks) MTWTF 1:00

Application of psychological principles to such problems as employee selection, supervision, job satisfaction, work sufficiency and human engineering. P, 203 or 204.

323 Child Psychology 3 Cr., (8 weeks)

Physical, social, emotional and intellectual aspects of the development of children. May be counted as an educational elective. P, 203 or 204.

333 Advanced General Psychology 3 Cr., (8 weeks)
MTWTF 10:20

Contemporary research related to psychological concepts expounded in Psy 203 and 204. P, 203 or 204.

343 Principles of Learning 3 Cr., (8 weeks)
MTWTF 2:10

The nature and principles of various types of learning, such as classical and operant conditioning, discrimination, verbal and motor learning. Conditions which influence the learning process are discussed in detail and the student is introduced to the major classical and contemporary theories of learning. P, 203 or 204.

413 Social Psychology 3 Cr., (8 weeks)
MTWTF 9:10

Basic principles, concepts and methods utilized in analyzing interaction of individual and group. P, 203 or 204.

423 Abnormal Psychology 3 Cr., (8 weeks)
MTWTF 3:20

Principles of normal and abnormal personality development. Emphasis on symptoms, causative factors, and treatment of major forms of abnormal behavior, including neurosis, psychosis and character disorders. P, 203 or 204.

623 Adolescent Psychology 3 Cr., (8 weeks)
MTWTF 11:30

Physical, social, emotional, intellectual and vocational aspects of adolescent development. Emphasis is upon increasing understanding of adolescents and their problems. P, 203 or 204.

*Time and/or credit to be arranged.

RELIGION (Rel)

243 Religion in America 3 Cr., (8 weeks)
MTWTF 10:20-11:20

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.

373 Current Issues in Religion 3 Cr., (8 weeks)
MTWTF 11:30-12:30

Religious dimensions of such contemporary social movements as the "Woodstock Nation," New Left, science and technology, the emerging global awareness; and alternative possibilities for new social and religious value systems.

SECRETARIAL SCIENCE (SecS)

194 Shorthand II 4 Cr. (8 weeks)
R, MTWT 10:20-11:30; L, TT 1-3:00 We 01

Increasing speed and accuracy, production of mailable transcripts. P, 184 or one year of previous shorthand instruction.

203 Introduction to Data Processing 3 Cr. (8 weeks)
MTWTF 9:10-10:10 We 01

Survey of computer history and potentialities; application to research, communications, business data processing, and education. Acquaintanceship with basic principles, terminology and literature.

SPEECH (Sp)

103 Fundamentals of Speech 3 Cr., (8 weeks)
Section 1—MTWTF 6:50
Section 2—MTWTF 8:00
Section 3—MTWTF 1:00

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.

251 Speech Activities 1 Cr., (8 weeks)*

Credit earned by active participation in dramatic, radio, television, or film activities. May be repeated until 8 credits are earned. P, consent of instructor.

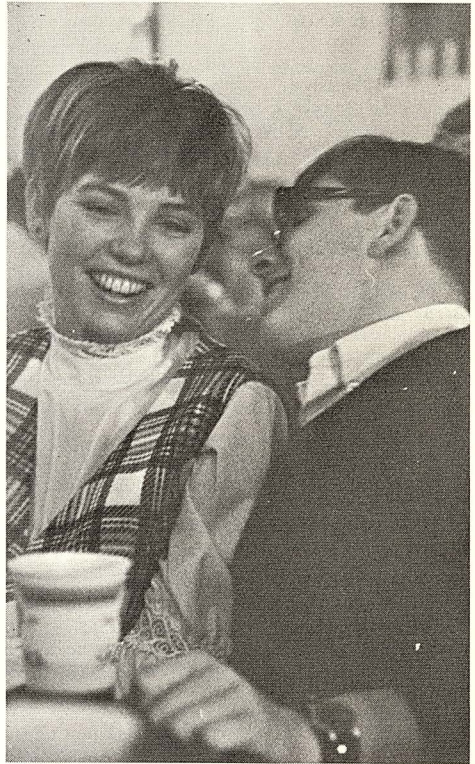
273 Lighting for Stage and Television 3 Cr.,
(8 weeks) MTWTF 10:20-11:20

Principles of theatre and television lighting. Lab and production participation.

445 Summer Theatre 5 Cr., (8 weeks)*
Credit earned by participation in State University Theatre's production on tour to South Dakota communities during the summer session.

613 Directing Speech Activities 3 Cr., (8 weeks)
MTWTF 9:10-10:10

Organizing and directing declamation, dramatic, and forensic programs. Alternate years, spring and summer.



630-640-650-660 Special Problems in Speech:
630 Public Address or Speech Education
1-2 Cr., (8 weeks)*

640 Theatre or Interpretation 1-2 Cr.,
(8 weeks)*

650 Speech Correction or Audiology or
Practicum 1-2 Cr., (8 weeks)*

660 Radio, Television or Film 1-2 Cr.,
(8 weeks)*

683 General Semantics 3 Cr., (8 weeks)
MTWTF 11:30-12:30

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

790 Thesis 1-7 Cr. (8 weeks)*

*Time and/or credit to be arranged.

COLLEGE OF Engineering

(The University reserves the right to withdraw courses for which there is not sufficient demand)

AGRICULTURAL ENGINEERING (AE)

612 Engineering Phase of Crop Processing 2 Cr.,
(4 weeks)*

Detailed analytical studies of cutting and shearing, collecting, packaging, size reduction, dehydrating, hauling, cleaning, and storing of agricultural crops. Includes one or more complete crop harvest and storage problem with reference to cost, labor, power requirements, and quality of finished product. P, 412, 422.

702 Bio-environmental Engineering 2 Cr.,
(4 weeks)*

Analysis of farm animals and their environment employing engineering principles combined with biological principles. Homeothermic mechanisms of animals and the influence of thermal environment upon growth and production. Discussion of environmental measurements, physiological measurements, and animal calorimetry. P, AE 304.

722 Advanced Farm Land Engineering 2 Cr.,
(4 weeks)*

Selected topics from fundamental concepts of model analysis; specific application to problems involving viscous and gravitational phenomenon; varied flow equation applied to gravitational flow in drain lines, open ditches and terraces; use of tractive force theory in earth channel design; principles of irrotational flow and characteristics of potential flows; use of Laplace's Equation in solving saturated flow problems. P, 423, Agron 452.

742 Advanced Farm Power and Machinery 2 Cr.,
(4 weeks)*

Presentation of typical farm machine mechanisms; instruction in selection, design, and application of various testing instruments for research and development; testing and evaluating machine components. P, 452.

750 Special Problems in Agricultural Engineering
1-3 Cr.*

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 Agricultural Engineering 5-7 Cr.*

CIVIL ENGINEERING (CE)

204 Engineering Surveys 4 Cr.*
(4 weeks immediately before fall registration)

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, 202.

EM 213 Statics 3 Cr., (8 weeks) MTWTF 8:00

Vector algebra, forces, moments, couples; principles of statics, resultant and equilibrium of force systems; free body diagrams, centroids, analysis of statically determinant states of equilibrium; equilibrium under distributed forces; frictional effects in statics. P, Math 165, Phy 195.

EM 313 Mechanics of Materials 3 Cr.*
(8 weeks) MTWTF 8:00

Two dimensional analysis of stress and strain, principal stresses, Mohr's circle; stresses in members subjected to centric, torsional and flexural loadings; deflections of beams; analysis of statically indeterminate beams; combined stresses; riveted and welded connections; column analysis. P, EM 213.

600-601 Water Resources Seminar 0-1 Cr.*
(8 weeks)

Review of literature on water resources engineering. Reading, reports and round table conferences for effective delivery of information. P, consent of instructor.

743 Elastic Stability 3 Cr., (8 weeks)*

Buckling of columns and plates. Lateral buckling of beams; stability of rings. P, graduate standing.

763 Advanced Sanitary Engineering 3 Cr.*
(8 weeks)

Advanced engineering topics related to sanitary engineering and public health, including housing, air conditioning and ventilation, air pollution, hospital and institutional sanitation, stream sanitation, waste disposal, radiological health and industrial hygiene.

790 Thesis 1-3 Cr.*

Independent investigation of special problem and written thesis.

ELECTRICAL ENGINEERING (EE)

214 Electrical Circuits I 4 Cr.*

Electric circuit concepts, topology and theorems, mesh and nodal equations, steady-state and transient analysis. P, credit or concurrent registration in Math 254; and Phy 215.

410 Special Problems 1-3 Cr.*

Special problems assigned in the field of electrical engineering. P, senior standing.

610 Special Problems 1-3 Cr.*

Special problem assigned in the field of electrical engineering. P, graduate standing or consent of instructor.

790 Thesis 1-7 Cr.*

*Time and/or credit to be arranged.

MATHEMATICS (Math)

113 College Algebra 3 Cr., (8 weeks)

MTWTF 6:50-7:50 HN 127

Basic concepts of set theory, ordered pairs, relations, the function concept, the graphical considerations. A logical development of the properties of real numbers, exponents, polynomials, factoring, algebraic expressions, linear and quadratic equations, inequalities and graphing. P, 1 unit of high school algebra.

145 Algebra and Trigonometry 5 Cr., (8 weeks)

MTWTF 9:100-10:00

MTWTF 1:00-1:50 HN 127

Real numbers and elementary properties, sets, functions and graphs, quadratic equations, trigonometric functions, trigonometric equations, periodicity, inverse functions, mathematical induction, complex numbers, partial fractions, determinants, logarithms, and theory of equations. P, 1½ units of High School Algebra.

155 Math Analysis I 5 Cr., (8 weeks)

MTWTF 8:00-8:50

MTWTF 11:30-12:20, Ro F

Analysis of the straight line, limits, derivatives of algebraic functions; maxima and minima; rates; curve tracing; differentials; integration; Mean Value theorem, definite integrals, polar curves, conic sections, topics in solid analytic geometry, transcendental functions, L'Hopital's rule, partial derivatives, length of arc, multiple integrals, hyperbolic function, infinite series, vectors, and application. P, 2 units of high school algebra and ½ unit of trigonometry along with good high school record, or Math 145.

254 Math Analysis III 4 Cr., (8 weeks)

MTWTF 6:50-7:40

MWF 10:20-11:10, Ro F

Analysis of straight line, limits, derivatives of algebraic functions, maxima and minima, rates, curve tracing, differentials, integration. Mean Value Theorem, definite integrals, polar curves, conic sections, topics in solid analytic geometry transcendental functions in solid analysis geometry, transcendental functions., L'Hopital's rule, partial derivatives, length of arc, multiple integrals, hyperbolic function, infinite series, vectors, and application. P, Math 165.

313 Topics in School Mathematics 3 Cr. (8 weeks)

MTWTF 6:50-7:50; HN 157

Symbolic logic, set theory, functions, groups, rings, fields and related topics as they apply to a modern high school program. P, Math 165 or equivalent.

333 Differential Equations 3 Cr. (8 weeks)

MTWTF 8:00-9:00, HN 127

Differential equations with applications in fields of geometry, mechanics, and physics. P, 254.

343+ College Geometry 3 Cr., (8 weeks)

MTWTF 10:20-11:20; HN 157

A modern approach to plane geometry, both Euclidean and non-Euclidean. P, 254 or consent of instructor.

393 Advanced Engineering Math 3 Cr., (8 weeks)

MTWTF 11:30-12:30; HN 157

Determinants, matrices, matrix algebra, complex variables, conformal mapping, integration in complex planes. Fourier series, elliptic integrals, Laplace transform, vector algebra and applications. P, 333.

490 Special Topics in Mathematics 1-3 Cr.*

(8 weeks)

Individual or group study of special topics arising out of previous course work or new developments. Limited to a total of 9 hours credit.

603 Numerical Analysis 3 Cr., (8 weeks)

MTWTF 1:00-2:00; HN 157

Finite differences, interpolation, summation of series, approximation of functions, numerical solution of systems of algebraic equations, numerical differentiation and integration. P, 333.

623 Advanced Calculus 3 Cr., (8 weeks)

MTWTF 9:10-10:10, HN 157

Infinite series, elliptic integrals, Fourier series, multiple integrals; line surface and space integrals, ordinary differential equations; Bessel functions, partial differential equations, vector analysis, and probability. P, 254.

663+ Projective Geometry 3 Cr.

MTWTF 10:20-11:10; HN 157

A synthetic and/or analytic approach to geometric properties invariant under projective transformations; theorems of Desargues, Pascal, Brianchon and applications. P, 254 or consent of instructor.

770 Advanced Topics in Algebra 1-3 Cr., (8 weeks)*

Selected topics in mathematics to fit needs of graduate student. Limited to three credits per topic. P, consent of staff.

780 Advanced Topics in Analysis 1-3 Cr., (8 weeks)*

Selected topics in mathematics to fit needs of graduate student. Limited to three credits per topic. P, consent of staff.

MECHANICAL ENGINEERING (ME)

EM 223 Dynamics 3 Cr. (8 weeks) MTWTF 1:00

Vectorial kinematics of moving bodies; principles of kinetics, Newton's laws of motion, impulse and momentum, power, work and kinetic energy; potential energy, conservation of energy and momentum; application in particle motion; dynamics of particle systems and rigid bodies. P, EM 213.

EM 323 Fluid Mechanics 3 Cr. (8 weeks)

MTWTF 2:10

Fluid properties, statics and dynamics of real and ideal fluids; continuity and Navier-Stokse equations applied to laminar and turbulent incompressible flows, boundary layer analysis. Introduction to compressible flow. P, EM 223, Math 333.

*Time and/or credit to be arranged.

+Either Math 343 or Math 663 will be offered depending on demand.

433 Refrigeration and Air Conditioning 3 Cr.*
(8 weeks)

Principles of refrigeration. Analysis of vapor compression and absorption cycles. Introduction to thermoelectric cooling. Psychrometrics. Steady flow processes involving air-water vapor mixtures. P, 333 or 303.

PHYSICS (Phy)

104 Introductory Physics 4 Cr., (8 weeks)
R, MTWTF 8:00;
L*, CEH 318

One term course including more important topics in physics. Emphasis on developing an appreciation

for concepts, vocabulary, and methods of the science. P, high school algebra.

215 General Physics II 5 Cr., (8 weeks)
R, MTWTF 9:10, TT 10:20;
L*, CEH 307

Continuation of 195. Electricity and light with reference to influence of recent developments on these areas. P, 195.

373 Atomic Physics 3 Cr., (8 weeks)
R, MTWTF 9:10, CEH 319

Evaluation of experimental evidence concerning atomic and nuclear structure with emphasis on impact of twentieth century developments on science and engineering. P, 215 or 124 and consent of instructor.

COLLEGE OF Home Economics

(The University reserves the right to withdraw courses for which there is not sufficient demand)

CHILD DEVELOPMENT AND FAMILY RELATIONS (CD)

343 Experience in Human Relations 3 Cr.,
(8 weeks)*

Opportunity to more fully understand children as well as oneself and other adults while observing and working with children in Family Life Laboratory. P, 223.

404 Child Development Practicum I 4 Cr.,
(8 weeks)*

Planning and conducting various phases of early childhood programs. Student takes increasing responsibility, finally taking complete charge of the program. Weekly conferences. P, 223, 333, 343.

HOME ECONOMICS (HE)

448 Practicum in Business 8 Cr. (8 weeks)*

Working under supervision with business concern. Role of home economist in business, company organization and ethics, public relations, use of mass media, special aspects of particular business. Fulltime one-half semester with residence in city where business is located.

HOME ECONOMICS EDUCATION (HEd)

712 Curriculum in Home Economics Education
2 Cr., (8 weeks) July 6-31
MTWTF 8:00-10:10 and 1:00-2:00 HN 373

Curriculum in secondary schools of South Dakota and other states. New ideas developed. P, 455 or equivalent.

MANAGEMENT, HOUSING, EQUIPMENT (MHE)

222 Art in Today's Home 2 Cr., (8 weeks)
R, MTWT 8:30-10:10 HN 335

Further study and experience in application of principles of design as they are related to the area of art in the home. P, Art 102 or 103.

432 Interior Design 2 Cr., (8 weeks)
MTWT 1:30-3:10 HN 335

Comprehensive study of problems of interior design of domestic structures with emphasis on the contemporary. P, 222, 383, Art 102 or 103 or equivalent.

483 Home Management House Laboratory 3 Cr.

Sec. 1, June 10-July 8, MW 3:20-5:10, House
Sec. 2, July 9-August 5, MW 3:20-5:10, House
Sec. 3, June 6-August 5, (married students or widows) HN 329*

Residence in home management house laboratory with experience in problems that arise in a home. P, 273, NFS 214, senior standing in home economics. Sec. 3 is also open to majors in CD, NFS, or journalism.

612 America's Housing 2 Cr., (4 weeks)
R, MTWT 3:20-5:00 HN 335

America's housing as affected by these factors: history, philosophy; tradition; climate; geographical area; population; local, state, and federal laws; and financing. P, 273 and consent of instructor.

TEXTILES AND CLOTHING (TC)

203 Textiles 3 Cr., (8 weeks)
R, MTWT 1:00; L, TT 2:10-4:20 HN 453

Textile fibers, yarns, fabrics and finishes, their selection, use and care. Standards and legislation relating to textiles. P, one semester natural science. (College or high school chemistry recommended.)

214 Creative Clothing 4 Cr., (8 weeks)
R, MTWT 8:00; L, MTWT 10:20-12:30 HN 221

Concepts and principles of flat pattern applied to contemporary clothing design. Development of original design through modification of basic sloper. Techniques for special type fabrics. P, 203.

*Time and/or credit to be arranged.

COLLEGE OF Nursing

(The University reserves the right to withdraw courses for which there is not sufficient demand)

HEALTH SCIENCE (HSc)

202 Contemporary Health Problems 2 Cr.,
(8 weeks) TT 8:00-9:50

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

433 Public Health Science 3 Cr.,
(8 weeks) TT 10:00-11:50

Organization and administration of public and voluntary health agencies. Principle functions and program development in vital statistics, maternal child health, adult health, sanitation, health educa-

tion, and special health programs. Problem solving in fields of public health. Junior or senior standing in nursing. Open to students with other upper division professional majors with consent of instructor.

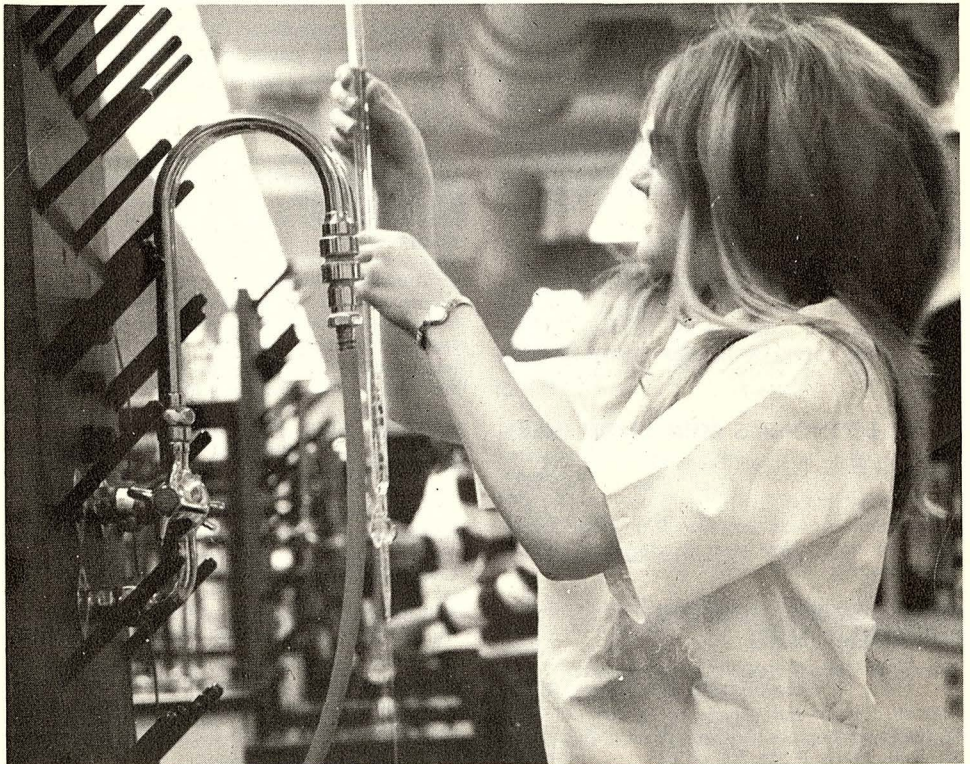
~~NURSING (N)~~

~~415 Public Health Nursing 5 Cr., (8 weeks)
R, MWF 1:00-2:50, L, TT 8:00-5:00~~

~~Nursing as applied to community needs. Includes laboratory experience in a public health nursing agency. P, N 327, 353, 355, 363, 365, P, or concurrent, HSc 433.~~

COLLEGE OF Pharmacy *(The University reserves the right to withdraw courses for which there is not sufficient demand)*

790 Thesis 5-7 Cr. as arranged



Workshops—Special Events

AGRICULTURAL EDUCATION

Ag Ed 600 Workshop in Teaching Agricultural Mechanics 1 Cr. July 13-16 and July 27-30.

Advanced methods in teaching agricultural mechanization. Intensified work in mechanization for professionals in Agricultural Education. July 13-16 at Mitchell; same workshop repeated July 27-30 at Wattertown.

For more information, write H. W. Gadda, Director of Workshop.

Ag Ed 600 Workshop in Agricultural Education—Internship in Agricultural Off-Farm Occupations Program 1 Cr. July 6-13.

An intensive seven-day workshop for professional personnel in Agricultural Education. Consists of occupational experiences in one or more off-farm agricultural businesses or agencies, and the intellectualization of such experiences in developing training plans, evaluation of internship, and analyzing case situations.

For more information, write H. W. Gadda, Director of Workshop.

DRIVER EDUCATION

July 19-August 6

Workshop under the direction of the State Department of Public Instruction in cooperation with the Department of Education at South Dakota State University.

For information write to: Wyland Borth, Supervisor, Driver Education, Department of Public Instruction, Pierre, 57507. LIMITED ENROLLMENT.

ECONOMICS

Econ 633 Economics for High School Teachers
June 21-July 16

Basic course for preparation of high school Economics instructors. Purpose of economics analysis, goals of a high school Economics course, adaptation of students' prior knowledge to economic analysis, application of graphic and mathematical tools to micro- and macro-economics analyses, behavioral vs. quantitative approaches to analysis, and interpretation of economic phenomena.

EDUCATION

630 Improvement of Teaching Skills 1 Cr.,
July 21-25

The workshop is developed as a simulation which provides for trying the problem solving and teamwork building skills. The emphasis is not on simulation, however, but on the skills and future local application. For more information, write Dr. Maynard D. Cochrane, Director of Workshop.

630 Environmental Education Workshop 2 Cr.

July 19-30

The objective is to give participants an opportunity to construct learning packets from experiences of the workshop that will enable them to apply knowledge of environmental principles gained in his own teaching situations. Designed for secondary teachers in all subject matter fields.

Ed 640 Interpersonal Communication Workshop

July 19-23, Limited to 36 participants 1 Cr.

This workshop, developed by the Northwest Regional Educational Laboratory of Portland, Oregon is designed to increase interpersonal communication skills of teachers, administrators, and others. This is accomplished through an instructional system of learning experiences to develop specific communication competencies or skills.

For more information, write Dr. Maynard D. Cochrane, Director of Workshop.

ENGLISH

Engl 642 Poetry Workshop 2 Cr., (4 weeks)

June 21-July 16; MWF 1:00-3:00

The first two weeks will be an intensive study of a number of poems of the English language, with the purpose of learning techniques and forms of poetic expression. The last two weeks will be spent evaluating and discussing student poetry.

GERMAN OVERSEAS WORKSHOP

Participants will combine approximately 45 days of travel in three areas of Germany with formal study of the German language, literature, and culture. May 30 is the tentative departure date from Sioux Falls.

Enrollment is limited and is subject to the approval of the Workshop director, Assistant Professor Erhard Gross.

Courses to be offered:

1. German Composition/Conversation
Ger 322-332 (2/2 credits) 4
 2. German Civilization, Ger 352 2 Cr. 2
 3. German Directed Study, FL 400
Due to variation in topics, FL 400 may be
taken for credit twice simultaneously 2
 4. Advanced German Composition and
Conversation, Ger 442 2 Cr. 2
- 10 Cr. Hrs.

GUIDANCE AND COUNSELING

GC 600 Guidance and Counseling Workshop 2 Cr.
July 5-16

Selected problem areas in counseling and guidance. Nationally known speaker in guidance will serve as consultant to workshop for two days. Other outstanding guests and consultants will participate in the general sessions. Opportunity for much inter-

action in groups and case studies. To a large extent the needs, desires, and interests of workshop participants will determine the course content. Open to graduate and undergraduate credit.

For further information write O. A. Schmieding, Director of Workshop.

HEALTH, PHYSICAL EDUCATION AND RECREATION

HPER 680 Health Education (Family Life) 1 Cr.
Gym 123, July 12-16

Designed for health education teachers, public health nurses, school nurses and school administrators. The emphasis will be upon family life and sex education. The SHEAS program will be thoroughly examined by participants. This workshop will represent a cooperative effort among several departments on campus with the main organizational responsibility shared by the Department of Health, Physical Education and Recreation and the College of Nursing.

HPER 680 Movement Education 1 Cr., July 5-9
Gym

This is a one-week concentrated workshop in gymnastics. It is open to men and women instructors and coaches as well as college and high school students.

The workshop is geared to the development of instructional techniques in the Olympic events, plus trampoline, tumbling and ballet for the physical education teacher along with the development of guide lines for directing competitive gymnastics. It will meet the needs of those just beginning gymnastics as well as the accomplished teacher and gymnast.

~~**HPER 680 Outdoor Education, Recreation 1 Cr.**
Gym 123, July 26-30~~

~~This workshop is designed to give participants both lecture and laboratory experience in Outdoor Education activities. Lectures, demonstrations, field trips, and practical experience in camping and other selected outdoor activities will be included in the week's workshop. The skills obtained may be used for a lifetime of enjoyment.~~

HPER 680 Techniques of Football Coaching 1 Cr.
August 2-6 Gym 123

A course primarily designed for coaches of football. Instruction will center about the improvement of quarterback, receivers and running back offensive techniques. Defensive skills for ends, linebackers and defensive backs will also be stressed. Graduate skills for ends, linebackers and defensive backs will also be stressed. Graduate credit and undergraduate credit for qualified Junior and Senior.

HPER 680 Techniques of Wrestling Coaching 1 Cr.
July 12-16 Gym

A course primarily designed for the high school wrestling coach. Methods, techniques and skills of wrestling will be emphasized. Administrative problems and responsibilities will also be stressed. Graduate credit and undergraduate credit for qualified junior and senior students.

CLINICS—CAMPS (Non-Credit)

Cheerleaders Clinic—June 20-25—Gym

Basketball Camps—June 20-26—Gym

June 27-July 3—Gym

Trainers Clinic—Date to be announced

HOME ECONOMICS

NFS 630 Special Problems in Food and Nutrition
2 Cr.

Rapid City—July 6 to July 16

Sioux Falls—July 19-July 30

Special study of recent developments regarding the roles of food stuffs in human nutrition.

TC 610 Consumer Clothing Developments 2 Cr.

June 7-18 MTWTF 9-12, 1-4 HN 225

(On campus June 7—rest of first week in Minneapolis, Second week on campus)

A five day tour of textile and clothing industry to better understand production, marketing and consumer problems. The second week will be devoted to study of recent textile developments and techniques for use of new fabrics and consumers.

~~**TC 613 Fashion Art and Textiles Tour 3 Cr.**~~

~~June 15-July 6~~

~~Development of intellectual understanding of the interrelationship of fashion, art and textiles of a specific area of the world. Study of the arts from an historical and contemporary approach. Open to Juniors, Seniors, and Graduates. Tour director and Lecturer—Mrs. Cynthia Richards Borsa, Pavia, Italy. Consultant Mrs. Alice Semenik. Readings required prior to trip. Limited to 25.~~

MHE 620 Special Problems: Consumer Behavior
July 12-23, incl. 2 Cr.

R, MTWTF 9, 10, 11, and 1 HN 329

Factors important to families as purchasing agents and consumers: brands, labels, packaging, grades and standards; aids and protection offered by public and private agencies; sources of shopping information. Consumer practices of American families. Principles of maximization of consumer satisfaction.

TC 700 Seminar—Linens and Art 1 Cr.

July 26-31 MTWTF 9, 10, 11 and 3, 4,

Art Center

Mrs. Vera Marghab, designer and owner of the famous Marghab linens, will present a workshop centered around the Marghab Gallery collection of 1422 pieces now in South Dakota Memorial Art Center. Mrs. Marghab, originally from South Dakota has offices in New York and Maderia. Limited to 25.

JOURNALISM

640 Workshop in Mass Communication: Magazines
in the classroom June 14-18

How to use magazines effectively as classroom teaching materials; different kinds of periodicals and their adaptability to various subject-matter fields. Meets MTWTF, 1:00-4:00, plus individual use of material in Library and Educational Media Center. 1 Credit. Mrs. Laird and staff.

640 Workshop: Understanding and Teaching about the Mass Media 1 Cr. June 21-25.

640 Workshop: Supervising the School Newspaper 1 Cr. July 12-16.

640 Workshop: Supervising the School Yearbook 1 Cr. July 19-23.

640 Workshop in Communication: Public Relations for School Administrators June 28-July 2

The school and the community; intra-school relations; making a public relations program; evaluating the results, and testing public sentiment. Intended for present or prospective school superintendents and administrative assistants. Meets MTWTF, 1:00-4:00. 1 credit. Staff.

Institute for School Publications—

July 12-16, Newspaper; July 19-23, Yearbook

Two one-week workshops for high school students who work on school publications. Fee is \$50 per week, including board, room, and all course materials. No credit. Write for further details.

MUSIC

All State Music Camp

For students Grades 7-12

Two one week Sessions—No Credit

(Music Department Staff and Guest Instructors)

Week One—June 6-13—Band and Chorus

Week Two—June 13-20—Orchestra and Musical Production

(Instruction in private lessons, theory, conducting—participation in Band, Orchestra, Chorus and Ensembles).

For further information and application forms contact:

John Colson
Music Department, SDSU

MUSIC WORKSHOPS

For Music Teachers, Graduate Students, Upper-level Undergraduates, Special Students, Specialized Workshops. SDSU Staff and Guest Lecturers.

Four One Week Sessions—0-1 Credit per each session contact: Music Department, SDSU, for further information.

491 Music Teachers Workshops

Week One (Section 1) June 21-25 Conducting Workshop

Week Two (Section 2) June 28-July 2 Secondary and Junior High Workshops

Week Three (Section 3) July 12-16 Orff-Kodaly Elementary Music Workshop

Week Four (Section 4) July 19-23 Church Music and Keyboard Workshop

SUMMER MUSIC TOUR

300 Summer Music Tour 0-3 Credits

Open to students selected by audition by the Music

Department. Tour of Western Europe—June 5-July 3, 1971. A tour fee of \$800 is required in addition to the fee for credit. Auditions may be arranged with Dr. Warren Hatfield or Dr. Perry Jones, SDSU Music Department. Tour fee is inclusive of all travel expenses. The touring group will perform in principal European cities.

SUMMER MUSIC PROGRAM

130 Summer Choir

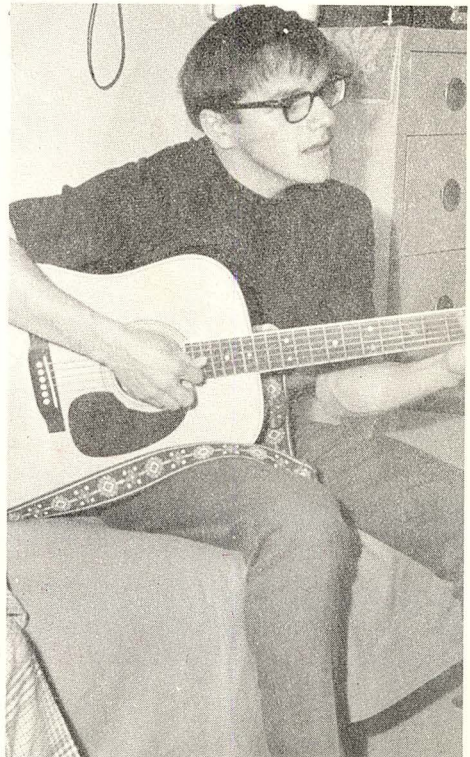
During the summer term the Department of Music will have, as a special service to all students, a summer school chorus. Student may enroll for 1 Credit.

REPERTORY THEATRE COMPANY

Sp 445 Summer Theatre 8 weeks, 5 Cr.*

A repertory theatre company is being organized for presenting plays on campus and at State University Theatre's summer home—the Prairie Village Opera House, Madison. Members of the company will receive a well-rounded experience in acting, set design and construction, costuming, make-up, lighting, publicity, and management, and will earn 5 to 8 semester credits toward graduation, transferrable to other colleges upon their approval. A group of four plays will be given in repertory for a total of 22 performances. This opportunity is open to students throughout the area, from any college or university. For further information, including audition dates and application forms, write Larry Stine, Director of Theatre, SDSU.

*Members of the theatre company may enroll for an additional 3 credits.



HERE IS YOUR 1971 SUMMER SESSION BULLETIN FROM

SOUTH DAKOTA STATE UNIVERSITY
UNIVERSITY STATION
BROOKINGS, SOUTH DAKOTA 57006

Second
Class
Matter

South Dakota State
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MAR 5 '71
STUDENT
SERVICES

Ranny Boomsma
Student Services
Adm. Bldg.

J