

**NATURAL SCIENCE NSC  
(COLLEGE OF)**

**230. The Role of the Natural Sciences  
in Future Environments**

Fall. 4(4-0) Approval of college.  
Interdepartmental with the departments of  
Entomology, Geology, Physics, and Zoology.

Physical and biological science concepts relevant  
to understanding of environmental issues. Op-  
tions for action in areas of population size,  
energy and life support system. Illustrated by  
case studies.

**390H. The Human Organism**

Winter. 3(3-0) Juniors; approval of  
the Honors College.

The importance of new discoveries in biology for  
to understanding of the human organism with  
emphasis from the fields of genetics, molecular  
biology, behavior, developmental biology, physi-  
ology and ecology.

**391H. Man's Universe**

Fall. 3(3-0) Juniors; approval of  
the Honors College.

A creative review by senior faculty from astron-  
omy, biochemistry, biophysics, geology, physics,  
and philosophy of the impact of recent space  
probes in developing modern concepts of the  
universe, the origin of the earth and life upon it.

**471. Environmental Topics in  
Nonmetropolitan Regions**

Fall. 4(4-0) Nomination of students  
by own department and approved by participat-  
ing faculty. Interdepartmental with Natural Re-  
sources and Agriculture and administered by  
Natural Resources.

Environmental topics in nonmetropolitan regions  
including issues on: production agriculture, ser-  
vice industries, nonagricultural uses, rural urban  
balance, discussion topics and case studies.

**800. Electron Microscopy of  
Biological Material**

Fall, Spring. 4(2-6) Approval of  
instructor.

Preparation of biological material for observa-  
tion in the electron microscope; operation and  
principles of the electron microscope; associated  
electron microscope photography and darkroom  
techniques.

**801. Special Problems in Electron  
Microscopy**

Fall, Winter, Spring, Summer. 1 to  
15 credits. Approval of instructor.

**NURSING NE**

**College of Natural Science**

**205. Foundations of Nursing**

Fall. 3(2-3) Approval of school.  
Introduction to principles basic in identifying  
nursing problems and their use in sound plan-  
ning of patient care.

**206. Foundations of Nursing**

Winter. 4(3-3) 205.  
Fundamental principles are presented as they  
relate to the care of the whole person; identi-  
fication of problems confronting the individual  
in illness, methods of approach to the patient  
as a person whereby joint effort may contribute  
to improved well-being and/or recovery.

**207. Foundations of Nursing**  
Spring. 4(2-6) 206.

Continues building on concepts, using principles  
and knowledge introduced in the foregoing nur-  
sing courses. The laboratory now moves into  
the clinical area where practice in the nursing  
of patients becomes the focus of application of  
past learning and study.

**303. Medical and Surgical Nursing**  
Fall, Spring. 12 credits. 207.

Care of individuals receiving medical and surgical  
therapy with emphasis on integration of prevent-  
ative, emotional and social aspects of illness,  
pathological relationships, and all forms of ther-  
apy and rehabilitation as they relate to medical  
and surgical nursing. Instruction and guided  
practice.

**304. Medical and Surgical Specialties**  
Winter, Summer. 12 credits. 303.

Continuation of 303.

**305. Maternity Nursing**

Fall, Winter, Spring, Summer. 12 cred-  
its. Approval of school.

Nursing through pregnancy, parturition, and  
puerperium, including care of the new born.  
Instruction and guided practice.

**306. Nursing of Children**

Fall, Winter, Spring, Summer. 12  
credits. 207; FCS 262B.

Normal growth and development from infancy  
through adolescence, care and health super-  
vision of well children, treatment and rehabili-  
tation of sick and handicapped children. In-  
struction and guided practice.

**400H. Honors Work**

Fall, Winter, Spring, Summer. 1 to 12  
credits. Approval of school.

**402A. Psychiatric Nursing of Individuals**  
(402.) Fall, Winter, Spring. 6 cred-  
its. Seniors, 402B concurrently.

Provides opportunities to develop skill in utiliz-  
ing concepts and principles relevant to creat-  
ing and maintaining therapeutic interpersonal  
relationships; individual and group participation  
with other professionals in providing compre-  
hensive mental health services to the mentally  
ill individual and his family.

**402B. Group Process and Community  
Action in Psychiatric Nursing**

(402.) Fall, Winter, Spring. 6 cred-  
its. Seniors. 402A concurrently.

Provides opportunities to develop skill in utiliz-  
ing concepts, principles and dynamics of group  
and community interactions relevant to provid-  
ing nursing intervention in programs for pri-  
mary, secondary and tertiary prevention in com-  
munity mental health.

**403A. Introduction to Public Health**

Fall, Winter, Spring. 4(4-0) Majors  
or approval of school.

Philosophy, development, organization, and re-  
sponsibilities of public health are explored in  
the light of the current economic and politi-  
cal climate. An introduction to vital statistics,  
epidemiology, and environmental health is in-  
cluded. Provides a frame of reference for prac-  
tice in this field.

**403B. Public Health Nursing**

Fall, Winter, Spring. 8(4-16) Seniors.  
Relationships between public health nursing and  
other health and welfare services. Guided prac-  
tice is provided for students working with in-  
dividuals, families and community resources.  
Major focus is on health maintenance, health  
promotion and nursing care to the sick in their  
homes. Roles, responsibilities and functions of  
the nurse in the community are stressed.

**404. Survey of Nursing**

Fall, Winter, Spring. 4 credits. Sen-  
iors.

Development of nursing to present status, cur-  
rent problems and long-term goals. Fields of  
service open to graduate nurses; nursing orga-  
nizations, national, state and local, their services  
and objectives.

**406. Nursing Leadership and  
Management**

Fall, Winter, Spring. 8(4-16) Senior  
majors.

Three areas of emphasis are leadership, man-  
agement and problem-solving within health  
care work groups. Clinical experience through-  
out the term is continuous within one work  
group. Clinical laboratory in community hos-  
pitals and agencies.

**490. Special Problems in Nursing**

Fall, Winter, Spring, Summer. 1  
to 6 credits. May re-enroll for a maximum of  
12 credits. Approval of department.

Exploration of certain areas in nursing in  
greater depth and/or from a different perspective  
than possible within the limits of required  
courses.

**OSTEOPATHIC MEDICINE\* O M**

**College of Osteopathic Medicine**

**501. Medical Biology I**

Fall. 4(4-0)  
Integrated aspects of biology providing a foun-  
dation and vocabulary preparatory to studies in  
osteopathic medicine.

**502. Medical Biology II**

Winter. 3 to 8 credits. Admission to  
a college of medicine.

Continuation of 501 emphasizing pathology and  
pharmacology.

**530. Clinical Science I**

Fall. 2(1-3) Admission to a college  
of medicine.

Fundamental concepts and skills essential to the  
performance of a clinical history and physical  
examination.

**531. Clinical Science II**

Winter. 2(2-0)  
Techniques, concepts and skills required for  
competent history taking and physical examina-  
tion utilizing lectures, laboratory and films for  
instructional purposes.

**532. Clinical Science III**

Spring. 1(0-3) Admission to a col-  
lege of medicine

A clinical study program providing an oppor-  
tunity to learn the skills of history taking and  
physical examination by actual performance of  
the involved techniques on patients under  
physician supervision.

**533. Clinical Science IV**

Summer. 1(0-3) Admission to a col-  
lege of medicine.

Continuation of 532.

\*Established July 1, 1971.