

**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 political
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 organ-
izations, 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.