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. Planning for action in areas of population size, 
ecology 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 
modern medicine. 5 credits.

391H. Man's Universe  
Fall, 3(3-0)  Juniors; approval of the Honors College. 
A creative review by senior faculty from astronomy, 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. 5 credits.

471. Environmental Topics in Nonmetropolitan Regions  
Fall, 4(4-0) Nomination of students by own department and approval by participat­ 
ing faculty. Interdepartmental with Natural Resources and Agriculture and administered by 
Natural Resources. Environmental topics in nonmetropolitan regions including issues on: production agriculture, 
service industries, agricultural uses, rural urban balance, discussion topics and case studies. 5 credits.

500. 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. 5 credits.

501. Special Problems in Electron Microscopy  
Fall, Winter, Spring, Summer. 1 to 15 credits. Approval of instructor.

NURSING  NSC  (COLLEGE OF)

205. Foundations of Nursing  
Fall, 3(3-3)  Approval of school. 
Introduction to principles basic in identifying nursing problems and their use in sound planning 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; identifi­ 
cation 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)  205. 
Continues building on concepts, using principles and knowledge introduced in the foregoing nurs­ ing 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 
tive, 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 credits. Approval of school. 
Nursing through pregnancy, parturition, and puerperium, including care of the newborn. Instruction and guided practice.

306. Nursing of Children  
Fall, Winter, Spring, Summer. 12 credits. 207, ECS 262B. 
Normal growth and development from infancy through adolescence, care and health sup­ 
ervision of well children, treatment and rehabilita­ 
tion of sick and handicapped children. Instruction and guided practice.

400H. Honors Work  
Fall, Winter, Spring, Summer. 1 to 12 credits. Approval of school.

402A. Psychiatric Nursing of Individuals  
Fall, Winter, Spring. 6 credits. Seniors. 402B concurrently. 
Provides opportunities to develop skill in utilizing concepts and principles relevant to creat­ing and maintaining therapeutic interpersonal relationships; individual and group participation with other professionals in providing comprehensive mental health services to the mentally ill individual and his family.

402B. Group Process and Community Action in Psychiatric Nursing  
Fall, Winter. 6 credits. Seniors. 402A concurrently. 
Provides opportunities to develop skill in utilizing concepts and principles and dynamics of group 
and community interactions relevant to providing nursing intervention in programs for pri­ 
mary, secondary and tertiary prevention in community 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 
duced. Provides a frame of reference for prac­tiee in this field.

403B. Public Health Nursing  
Fall, Winter, Spring. 8(4-10) Seniors. 
Relationships between public health nursing and other health and welfare services. Guided prac­ 
tice is provided for students working with indi­ 
viduals, 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.

OSTEOPATHIC MEDICINE* O M  

College of Osteopathic Medicine

501. Medical Biology I  
Fall, 4(4-0) 
Integrated aspects of biology providing a foundation 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 examination utilizing lectures, laboratory and films for instructional purposes.

532. Clinical Science III  
Spring, 1(0-3) Admission to a college 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 college of medicine. 
Continuation of 532.

*Established July 1, 1971.