Descriptions — Natural Science of Courses

292. Science Problem Solving Seminar II
Fall, Winter, Spring. 2(2-0) May reenroll for a maximum of 8 credits if different topic is taken. Interdisciplinary study of topics in the natural sciences or the natural sciences as related to the humanities and social sciences.

300. Supervised Individual Study
Fall, Winter, Spring. 2 to 4 credits. May reenroll for a maximum of 12 credits. Approval of department. Selected students requesting individual study of interdisciplinary problems. Variable elective credit will be determined when the student secures instructor, adviser, and department approval.

325. Biological and Social Aspects of Human Reproduction
Fall, Winter, Spring. 4(4-0) Juniors or approval of department. Anatomy and physiology of human reproduction will be integrated with consideration of such current social concerns as contraception, abortion, venereal disease and drugs.

380. Issues in Science and Religion
Winter. 4(4-0) Juniors or approval of department. Interdepartmental with and administered by the Department of Religious Studies. History of relationships between science and religion. Methods of science and religion. Attempts at resolution of conflicts and formation of new syntheses.

401. Engineering and Public Policy
Spring. 3(3-0) Seniors, or approval of department. Interdepartmental with and administered by Engineering. Sociotechnical assessment of impact of technology on society, with analysis of the role of engineering and natural science in contributing to public policy formulation.

456. Foundations of Developmental Biology
Winter. 3(3-0) ZOL 317, ZOL 417 recommended. Interdepartmental with and administered by the Department of Zoology. Reading and discussion of original research which posed significant problems of modern developmental biology.

203. Science Problem Solving Seminar III
Spring. 2(2-0) May reenroll for a maximum of 4 credits. NSC 202, approval of instructor. Applied experience in research. Design and implementation of simple research problems. Relationship of science and society.

305. Women in Science
Spring. 3(3-0) Introductory course in chemistry or physics or biological science or approval of instructor. The development of women scientists of the past, present, and future will be examined. Emphasis will be on representatives from physics, biology, medicine, mathematics, and engineering.

394H. Current Topics in Science (MTC)
Fall, Winter, Spring. 3(3-0) May reenroll for a maximum of 9 credits if different topics are taken. Approval of Honors College or course coordinator. Scientists from several disciplines lecture on a common topic of current scientific interest, indicating the key concepts, the analytic approaches, the processes and the constraints of their respective disciplines.

410. Environmental Toxicology
Winter. 4(4-0) B S 212, BCH 401. Interdepartmental with Agriculture and Natural Resources. Fate and effects of toxic chemicals in soil, plants, wildlife, and aquatic systems. Interactions between chemicals and the environment which influence their fate and ecological importance.

445. Pest Management: Pesticide Chemistry and Application Systems for Plant Protection
Fall, Spring. 3(3-0) CEM 143, ENT 425, HRT 402 or CSS 402, BOT 405 or concurrently or approval of instructor. Interdepartmental with Agriculture and Natural Resources. A broad overview of pesticide chemistry, efficient usage, environmental fate, legislation and application techniques.

446. Pest Management: Biological Systems for Plant Protection
Fall, Spring. 2(2-0) ENT 425, HRT 402 or CSS 402, BOT 405 or concurrently or approval of instructor. Interdepartmental with Agriculture and Natural Resources. Management of plant pests utilizing host resistance, cultural practices, legislation, and biological systems.

447. Pest Management: Systems Management for Plant Protection
Winter. 4(3-2) NSC 445, NSC 446 or approval of instructor. Interdepartmental with Agriculture and Natural Resources. Designed to integrate knowledge and improve ability in arriving at pest management decisions of varying complexity involving the fields of agronomy, wildlife, horticulture, entomology, and plant pathology.

492. Integrative Studies
Fall, Winter, Spring. 3 to 5 credits. Juniors. In-depth study of topics which require an integration within or among the natural sciences or between the natural sciences and other major areas of human knowledge.

801. Special Problems in Electron Microscopy
Fall, Winter, Spring. 3(0-3) Seniors or approval of instructor. Introductory concepts forming foundation of professional nursing practice. Standards of practice, code of ethics. Relationship of nursing research to practice and health promotion.

NURSING

200. Nursing I
Spring. 3(3-0) or 4(4-0) Approval of college. Concepts and theories of nursing in relation to professional nursing practice. Role of nursing in contemporary society. Approved through Winter 1989.

202. Introduction to Professional Nursing Practice

203. Introduction to Professional Nursing Practice Practicum

212. Professional Nursing I: Basic Concepts
Winter. 2(2-0) Approval of college. Introductory concepts forming foundation of professional nursing practice. Standards of practice, code of ethics. Relationship of nursing research to practice and health promotion.