Descriptions — Natural Science
of Courses

209. **Humans and Disease (N)**
Fall, Winter, Spring. 4(4-0)
Disease as a natural biological phenomenon and how it has influenced the human race from a worldwide perspective. Environmental and cultural factors and how these influence and interrelate with disease.

242. **Wilderness Environmental Field Studies (N)**
Winter, Summer. 4(4-0) Approval of instructor. Students must receive credit in more than one of the following: NS 142, NS 143A, NS 143B.
Study of ecosystem balance between physical, biological and human elements while hiking in selected wilderness areas. Requires out-of-state travel.

292. **Selected Topics**
Fall, Winter, Spring. 3 to 5 credits. May repeat for a maximum of 6 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. Summer. 2 to 4 credits. May repeat for a maximum of 15 credits. Approval of department.
Selected students requesting individual study of interdisciplinary problems. Variable elective credit will be determined when the student secures instructor, advisor, 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.

350. **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 synthesis.

401. **Engineering and Public Policy**
Spring. 3(3-0) Juniors, 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 of even-numbered years. 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.

201. **Science Problem Solving Seminar I**
Fall. 3(2-0) MTH 108 concurrently, approval of instructor.
Problem solving principles and application of strategies to the disciplines of science and mathematics. Activities reflecting the types of problems encountered in these disciplines emphasized.

202. **Science Problem Solving Seminar II**
Winter. 3(2-0) NSC 201, approval of instructor.
Continuation of NSC 201. Emphasis upon problem solving in science disciplines and principles of research design.

203. **Science Problem Solving Seminar III**
Spring. 2(1-3) May repeat for a maximum of 4 credits. NSC 202, approval of instructor.
Applied experience in research. Design and implementation of simple research problems. Relation 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 repeat 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, Winter. 4(4-0) B S 212, BCT 401. Interdepartmental with Agriculture and Natural Resources.
Factors 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. 3(3-0) CEM 143, ENT 425, HRT 402 or CSS 402, BCT 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. 3(3-0) ENT 425, HRT 402 or CSS 402, BCT 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.

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.

300. **Nursing II**
Fall. 3(3-0) N E 200, FCE 200, FCE 255, CEP 490.