

NATURAL SCIENCE (NS)

NS 5090 Special Topics in Secondary School Science (1-6 Credits)

A focused study in one of the science disciplines: life, earth or physical sciences. Course could include: field, laboratory, computer and classroom study under the supervision of a faculty member with expertise in the area. Can be taken more than once. Unscheduled.

NS 5260 A Forest For Every Classroom (3 Credits)

This course will educate middle and high school teachers working in NH communities about forest stewardship issues and provide them with tools to develop curricula that meet the state's educational standards and can be implemented using their local landscape, resources, and community for real world teaching. Prerequisite: Teaching

NS 5300 Astrobiology (4 Credits)

This course is an interdisciplinary study centered on the search for life in the universe. Students will participate in inquiry based activities and discussion in biology, physics, and robotics to explore the science of astrobiology. Students will gain hands on experience with available online resources and current science technology enabling them to use astrobiology in the classroom to engage students in the scientific process. Prerequisite: Graduate student/teacher.

NS 5560 Special Topics in Elementary School Science (3 Credits)

A laboratory/discussion oriented content course for K-6 teachers to address specific topics in the earth, physical and life sciences. Text readings, research articles and developing a curriculum unit are required. Since topics vary, the course may be repeated with permission of the instructor. Unscheduled.

Prerequisite(s): Restricted to those who are currently teaching.

NS 5600 Field Experience in Science Education (3 Credits)

This course is one of the core offerings in the MAT in Science Education degree program. It is a supervised placement with a science or environmental agency that offers educational programming with student groups of various ages. Students will be required to assist in the development of programs, and teach and assess participant learning in these settings. Examples of such organizations include the Squam Lakes Natural Science center, N.H. Fish and Game Department, Squam Lakes Association, N.H. Audubon Society, PSU Mindflight Summer Program, N.H. Department of Environmental Services and the PSU Planetarium Program to name several.

NS 5910 Independent Study (1-3 Credits)

Studies undertaken will be defined by students and subject to approval by appropriate staff members. Work may involve reading, conferences, historical, experimental or theoretical projects, field investigation, statistical surveys, combinations of the foregoing or other activities deemed appropriate. Students may work in the physical or biological sciences, or in interdisciplinary areas. Students may not be granted more than three credits. Consent of a faculty supervisor and department chair is required.