

ENST: ENVIRONMENTAL STUDIES

ENST 1998 Individualized Studies in Environmental Studies (ENST) (1-8 Credits)

Students have the opportunity to develop individualized studies with their mentor in Environmental Studies (ENST). Please contact your mentor/ advisor for more details.

ENST 2998 Individualized Studies in Environmental Studies (ENST) (1-8 Credits)

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ENST 3005 Community Supported Agriculture (4 Credits)

Community Supported Agriculture holds great promise for reviving parts of rural America, providing a sustainable model of agriculture, and delivering high quality food to families. Students will learn about differences between community supported agriculture and other modern farming business and agricultural practices and techniques. Students will investigate different business models for community supported agriculture and how this approach to farming developed. Students will examine the benefits and challenges of this approach to food production and consider various ways in which community supported agriculture is beneficial to the environment, individuals and communities. This course integrates learning from business and economics, agricultural science and ecology in the study of community supported agriculture. Prerequisites: . Solid writing and research skills.

Attributes: Liberal

ENST 3010 Sustainability & Agriculture (4 Credits)

In this interdisciplinary study, students investigate efforts to create systems of sustainable agriculture in both the developed and the developing world. Students examine current and traditional agricultural practices and their use of water, soil and other resources from a critical sustainability perspective. Students also learn about economic, political, social and technological forces that influence agriculture and efforts to move agricultural practices in a sustainable direction. According to the UN, the world's population is projected to grow from roughly 7 billion people today to over 9 billion people in 2050. Feeding an additional 2 billion people will put further stresses on the environment, particularly water and soil resources. In addition, many people in the developing world as well as some in the developed world are struggling today to maintain healthy diets. Upon the completion of this course, students shall be able to: 1. Assess the differences between practices of sustainable agriculture and traditional agricultural practices and evaluate the different impacts on resource depletion. 2. Explain the challenges that developing countries face in ensuring food security and evaluate whether sustainable agricultural practices might improve food security in developing countries. 3. Compare innovative practices in sustainable agriculture, particularly related to soil and water, and explain how some organizations and countries are succeeding in using sustainable agriculture.

Attributes: Social Science Gen Ed, Liberal

ENST 3015 Iroquois Cultural Botany (4 Credits)

This study looks at the historical and cultural botanical practices of the Iroquois peoples who inhabit NY State and the surrounding region and the botanical interactions that occurred before and after European contact. Students will analyze the traditional ecological knowledge (Ethnoecology, TEK) of the Iroquois culture and how Native peoples utilized both indigenous and non-native species of plants for everyday life. Students will also develop hypotheses of the potential implications for modern culture, medicine and biocultural diversity. Students will also collect and analyze data pertaining to phytochemistry: the chemical composition of plants. Prerequisites: BIOL 2204 Ethnobotany or BIOL 2002 Populations and Diseases or BIOL 1200 Biology I or ENSC 1006 Introduction to Ecology and Sustainability.

Attributes: Natural Science Gen Ed, Liberal

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ENST 4998 Individualized Studies in Environmental Studies (ENST) (1-8 Credits)

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