

Bucknell on the Susquehanna (ENST 291)

People, Landscapes, and Nature
from the Chesapeake to the Puget Sound Watersheds



When

Monday, May 14 - Sunday, June 3, 2012

Highlights

- Meet environmental professionals and leaders around the country
- Learn about the natural history of the Susquehanna River, its people, and future
- Study the aquatic ecosystems of the Chesapeake Bay on a research vessel
- Contribute to water sampling of Baltimore Harbor with the Chesapeake Bay Foundation
- Visit urban sustainability projects in Seattle
- Meet Native American tribal leaders helping to restore salmon habitat
- Enjoy an overnight sojourn on the Susquehanna, sea kayaking in the Pacific ocean; hikes in wilderness, enjoy landscape photography, and much, much more!
- Have fun and experience exciting educational adventures!

Eligibility

There are NO pre-requisites for this course

Instructors

Dr. Benjamin R. Hayes, *Susquehanna River Initiative Director*

Dr. Peter Wilshusen, *Associate Professor of Environmental Studies*

Dr. R. Craig Kochel, *Professor of Geology*

Cost

- Through financial contributions from a grant to Bucknell's Susquehanna River Initiative, this is a terrific opportunity for students to travel throughout the watershed and across the country at a very low cost! Funds to underwrite the cost of plane tickets, lodging, and meals will be provided by grants, so only a modest fee will be imposed upon the students.
- Students will be expected to pay for 1 credit of tuition and cover some meal costs and personal expenses. More details will be available later.

Academic Benefits

Worth one (1) course credit

Counts as a lab science credit

Approved as a Engineering - Social Science course (EGSS)

Environmental Connections for College Core Curriculum (CCC)

Counts toward the major and minor in Environmental Studies

Covers the List B requirement in Environmental Studies

Course Overview

Students will become adept at collecting, analyzing and interpreting field and demographic data. They will study human and natural environments in the Susquehanna River and the Chesapeake Bay and compare and contrast their findings to the Puget Sound and its surrounding watersheds. The course is designed to be interdisciplinary and promote critical thinking and integrative problem solving that ties together environmental science, policy and ethics in and across watersheds.

The first ten days of the course, students will travel to river and forested areas in the upper Susquehanna watershed in Pennsylvania, the lower gorge area near the Maryland-Pennsylvania Border, and parts of the upper Chesapeake Bay. An overnight paddling sojourn on the West Branch of the Susquehanna is planned. Urban impacts and restoration ecology efforts underway in the Baltimore metropolitan region will also be explored.

The second ten days, students will travel to riverine and rainforest locations in the Pacific Northwest, including the Nisqually and Lake Quinault areas in Olympic National Park and the Puget Sound region, Washington. Urban impacts and restoration ecology efforts underway in the Seattle metropolitan region will also be explored.