The concentration in Environmental Science and Public Policy (ESPP) is designed to provide a multidisciplinary introduction to current challenges and issues of the environment. It is founded on the premise that the ability to form rational judgments concerning many of the complex challenges involving the environment that confront today’s society requires both an understanding of the underlying scientific and technical issues and an appreciation for the relevant economic, political, legal, historical, and ethical dimensions. The program offers students an opportunity to formulate a field of specialization relating to the environment.

“Your work could take you to the lab, to the field, or to the State house. Or all three. ESPP offered me this range of experiences and options.”

> Gracie Brown ’11

**WHO WE ARE**

HEAD TUTOR: Paul Moorcroft, Professor of Biology

ESPP COORDINATOR: Lorraine Maffeo

SECONDARY FIELD: Eric Simms

**CONTACT US**

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“AUGUST 2014"
LEARN FROM WORLD-CLASS FACULTY

The concentration is overseen by an interdisciplinary group of faculty that function as a Board of Tutors. They hail from a wide variety of departments and Schools, bringing an incredible breadth of specialties. Students develop relationships with Board of Tutors faculty, as they teach a number of the required courses, serve as advisors, and oversee ESPF field trips.

Paul Moreno, Professor of Organismic & Evolutionary Biology (Chair)

William C. Clark, Brooks Professor of International Science, Public Policy and Human Development (Kennedy School)

Noel Michele Holbrook, Assistant Professor of Urban Planning (Graduate School)

Sasha Jasanoff, Professor of Engineering, Public Policy and Human Development (Kennedy School)

Michael Hooper, Assistant Professor of Organismic & Evolutionary Science (Kennedy School)

Paulo Holcber, Assistant Professor of Biology (Kennedy School)

John H. Shaw, Dudley Professor of Structural and Economic Geology

Robert N. Stavins, Black Professor of Business Administration (Kennedy School)

Andrew Richardson, Dudley Professor of Structural and Economic Geology (Kennedy School)

Steven C. Wofsy, Rotch Professor of Atmospheric & Environmental Science

PROGRAM OVERVIEW

Students have to satisfy a core of requirements in the physical, biological, and social sciences and mathematics. In consultation with their faculty advisor, concentrators develop an individual plan of study for a series of advanced courses around a particular field of specialization. Through their field of specialization, students develop expertise in a particular field of study relating to the environment. In the senior year, students conduct an in-depth examination of a particular environmental issue consistent with their field of specialization, applying skills and knowledge gained in their courses and tutorial experiences.

ADVISING

Each student is assigned a faculty advisor. These assignments are based on the student’s interests and their current intended field of specialization. For many students, their interests and planned field of specialization will evolve over time, and their advising evolves in tandem. Students must declare their intention to study in the student’s field of specialization by the end of their sophomore year. Plans of study will be developed in consultation with the advisor and will be reviewed and approved by the Board of Tutors. The plan of study is to be revised and reviewed at the end of their junior year.

ESPP 90. Junior Seminar (1 half-course)

ESPP 99. Senior Tutorial/Thesis (1 or 2 half-courses)

ESPP 11. Sustainable Development

ESPP 22. The Fluid Earth: Oceans, Atmosphere, Climate, and Environment

SLS 22. Human Influence on Life in the Sea

SPU 25. Energy: Perspectives, Problems, and Prospects

SPU 29. The Climate-Energy Challenge

SPU 31. Energy Resources and the Environment

Students may also seek advice from any member of the Board of Tutors.

“The small, focused ESPP classes have allowed me to form relationships with both professors and students with whom I share common interests and passions.” — Basil Williams ’14

SECONDARY FIELD REQUIREMENTS (5 half courses)

The secondary field in ESPP offers students in other concentrations an opportunity to complement their courses with studies that will provide an environmental science and policy perspective.

Students choose one of the following foundational courses:

ESPP 3. Sustainable Development

SPU 25. Energy: Perspectives, Problems and Prospects

SPU 29. The Climate-Energy Challenge

SPU 31. Energy Resources and the Environment

Students must choose at least four upper-level courses.

Two courses must be chosen in Social Sciences and Public Policy, and two must be chosen from Natural Sciences and Engineering. For a complete list of course options, visit the ESPP website, www.espp.fas.harvard.edu.

Additional Requirements:

– During each semester there will be several evening discussion sessions that are intended specifically to engage ESPP secondary field students in discussion with Harvard faculty. Some will require preparatory readings and others will require prior attendance at a public lecture on campus. Students will be required to attend at least one session for each semester once they have been accepted into the program.

– Students must declare their engagement in this secondary field no later than the end of their sixth term. They will then be assigned an advisor, following their submission of an anticipated course of study.

– One ESPP seminar may be used in substitution for one of the social science and public policy requirements.

SECONDARY FIELD REQUIREMENTS

The secondary field in Energy and Environment ESPP administers a secondary field in energy and environment. To learn more, visit the ESPP website.