

For information about enrollment,  
please visit our website:

[www.efc.umd.edu/EnvFinCourses.html](http://www.efc.umd.edu/EnvFinCourses.html)



Environmental  
Finance Center

Environmental Finance Center  
1104 Preinkert Field House  
College Park, MD 20742  
Tel: 301-405-4035  
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National Center for Smart Growth  
1112 Preinkert Field House  
College Park, MD 20742  
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Maryland School of Public Policy  
University of Maryland  
2101 Van Munching Hall  
College Park, MD 20742  
Tel: 301-405-6330

Please visit the U.S. EPA, Office of  
the Chief Financial Officer (OFCO)  
website for more information  
about the agency's  
Environmental Finance Program:

[www.epa.gov/efinpage](http://www.epa.gov/efinpage)

Classes held in the U.S. EPA Ariel Rios Building,  
adjacent to the Federal Triangle Metro station, at  
1200 Pennsylvania Ave, NW, Washington, D.C.

## Environmental Finance Center

### The University of Maryland School of Public Policy, National Center for Smart Growth, & Environmental Finance Center announce:



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### A New Environmental Training Track— Law, Policy, Finance

#### Spring 2009

Environmental Law and Finance  
Faculty: Frances Dubrowski

Public Policy and the Environment  
Faculty: Robert Nelson

#### Fall 2009

Environmental Finance and Solutions

## COURSES: Spring 2009 & Fall 2009

### Environmental Law and Finance (PUAF 798L)— Spring 2009 Tuesdays, 5:30 – 8:00 PM

This course provides an introduction to the field of environmental law and finance with an emphasis on two critical questions: What are our environmental goals? How can we accomplish those goals with limited federal resources? The course reviews principal federal laws, analyzing the different approaches Congress has employed to solve environmental challenges – and to fund or allocate the costs of those solutions – through the Clean Water Act, Clean Air Act, Superfund and the National Environmental Policy Act (NEPA). The course addresses the role of federal and state agencies, citizens' organizations, the media, and private sector initiatives in the development and implementation of environmental policy. The course concludes with an examination of emerging issues in environmental law and finance.

### Public Policy and the Environment (PUAF 740) – Spring 2009 Wednesdays, 5:30 – 8:00 PM

The rules and regulations of the U.S. Environmental Protection Agency arguably have more impact on the American economy than those of any other federal agency. Given its broad impact, it should be no surprise that U.S. environmental policy has been controversial. This course will examine that environmental legislation which has had the most significant influence on American society. The course

considers questions such as: Have environmental laws encouraged government agencies and the private sector to find the least expensive way to achieve environmental goals? Have levels of risk to human health and to ecological systems been adequately limited? Have such risks been understood accurately before means were devised to limit them? Have the costs of environmental improvement been distributed among workers, businesses, taxpayers, property owners, and others in a fair and equitable way?

### Environmental Finance and Solutions (PUAF 798F) — Fall 2009

This course will equip students with an understanding and ability to identify, formulate and intelligently apply financing strategies and solutions that are critical to addressing short and long term funding needs to pay for sustainable environmental systems. It will explore incentives and disincentives for public and private investment and examine strategies for optimizing federal and state resources allocated to implement the various Federal, State and local Environmental mandates including public-private partnerships, leveraging Federal and State Revolving funds, trading and market based incentives and long-term community planning. It will lay the foundation for further study in developing financial plans and pricing for complex environmental infrastructures and business strategies and capacity building at the community, institution and private levels.

**The University of Maryland Graduate School in Public Policy**, as part of its Executive Programs, is expanding its course electives for students specializing in Environmental Policy and proposes to create a 12 credit graduate certificate program in Environmental Finance.

### The new environmental finance track



addresses a public need for policy and finance experts who can provide innovative financing solutions to the broad range of pressing local and global environmental funding shortfalls. The new courses and the

pending Certificate Program target students who are pursuing careers in either government or private sectors who must consider the “how do you pay” question when addressing environmental interests or mandates.

Public demand for environmental quality in the context of economic growth, innovative energy and agriculture policy and sustaining the earth’s environmental systems is undeniable. However, the cost of improving and sustaining environmental quality will not be sufficiently met with diminishing federal and state dollars alone. There must be an increase in private and individ-

ual investments. The answer is to develop trained experts in government and business sectors who understand the social and institutional processes for formulating and facilitating public-private financing solutions to pay for the unprecedented cost of the nation’s current and future environmental and energy demands.

For over a decade, the University of Maryland has offered graduate courses of interest to the employees of the **U.S. Environmental Protection Agency (EPA)** and other federal employees on-site at the EPA headquarters in Washington, D.C. The close relationship the School has formed with EPA both through these courses and the campus-based **National Center for Smart Growth and Environmental Finance Center** highlighted the need for an expanded graduate focus that prepares students and employees of both government and private sector stakeholders as advocates and specialists for environmental finance and investments.

**Courses are available to students seeking graduate credit and to those who simply want career development opportunities.** Students who do not want graduate credit must be recommended by an appropriate agency official.

**To register** for these classes, students should be enrolled in a degree-seeking

program at the University of Maryland, or they must meet the requirements for admission as a Non-Degree seeking student (Advanced Special Student status).

**Please see the Graduate School website** for more information about these requirements: [www.gradschool.umd.edu/gss/non\\_degree\\_admission.htm](http://www.gradschool.umd.edu/gss/non_degree_admission.htm)



### Faculty Profiles

**Frances Dubrowski** advises nonprofit organizations and government agencies on environmental strategies. Ms. Dubrowski has litigated prece-

dent-setting cases before the U.S. Supreme and other federal and state courts; negotiated multi-party settlements in complex cases; testified frequently before Congress; drafted numerous legislative provisions; served on policy task forces; filed numerous rulemaking petitions, comments, and related judicial review proceedings; counseled government agencies; and managed press and public relations campaigns. She has taught environmental law at Georgetown University Law School as well as to domestic and foreign government officials, bar associations, unions, and nonprofits. Ms. Dubrowski served as Senior Attorney at the Natural Resources Defense Council (1978-1987) and as Assistant Attorney General for the Pennsylvania Department of Environmental Resources (1973-1978) where she developed

legal strategies for, and litigated on behalf of, one of the nation’s first Environmental Strike Forces.

**Dr. Robert Nelson** is the author of many journal articles and seven books: *Zoning and Property Rights* (MIT Press, 1977); *The Making of Federal Coal Policy* (Duke University Press, 1983); *Reaching for Heaven on Earth: The Theological Meaning of Economics* (1991); *Public Lands and Private Rights: The Failure of Scientific Management* (1995); *A Burning Issue: A Case for Abolishing the U.S. Forest Service* (2000), *Economics as Religion: From Samuelson to Chicago and Beyond* (Penn State Press, 2001), and *Private Neighborhoods and the Transformation of Local Government* (Urban Institute Press, 2005). He has written widely in publications for broader audiences, including *The Washington Post*, *Wall Street Journal*, *Los Angeles Times*, *Forbes*, *The Weekly Standard*, *Reason*, *Society*, and *Technology Review*. Nelson worked in the Office of Policy Analysis of the Office of the Secretary of the Interior from 1975 to 1993. He has served as the senior economist of the Congressionally chartered Commission on Fair Market Value Policy for Federal Coal Leasing (Linowes Commission) and as senior research manager of the President's Commission on Privatization. He has been a visiting scholar at the Brookings Institution, visiting senior fellow at the Woods Hole Oceanographic Institution, visiting scholar at the Political Economy Research Center, and visiting research associate at the Center for Applied Social Sciences of The University of Zimbabwe.