

MIT-Wide Energy and Environment Class, Spring 2011

Course Numbers: 11.369/17.398J

Monday/Wednesday 9:00—10:30

Units: 3-0-9, Room 4-145

“Energy Policies for a Sustainable Future”

Visiting Lecturer of Energy Policy: Dr. Jonathan Raab, Raab Associates, Ltd.

This course provides students with exposure to a wide range of current energy and energy-related environmental policies that foster the development and mass deployment of sustainable energy technologies (e.g. energy efficiency, renewable energy, and other lower-carbon technologies), fuels, and practices. The primary focus is on US based policies at the state, regional and federal level that impact the electricity, transportation and buildings and facilities sectors. We will also touch briefly on international policies and practices for purposes of comparison.

Topics covered include: 1) National Efforts to Formulate a Comprehensive US Energy Policy; 2) Greenhouse Gas Reducing Policies; 3) Restructuring the Electric Utility Industry; 4) Renewable Energy Policies; 5) Energy Efficiency Policies; and 6) Policies to Reduce Oil Use in the Transportation Sector.

The course is grounded in a series of detailed case studies that explore substantive policy and program design issues as well as the political processes (often involving innovative consensus seeking techniques) used to develop them. In addition to readings from a wide variety of sources, the course will include numerous guest appearances from nationally recognized policy makers, and practitioners-- 2011 course speakers include:

- **Sue Tierney**, Analysis Group (former U.S. DOE Assistant Secretary for Policy)
- **Mark Sylvia**, Commissioner MA Department of Energy Resources
- **Janet Besser**, VP, National Grid
- **Bob Grace**, President, Sustainable Energy Advantage
- **David Cash**, Assistant Secretary for Energy/Environmental Policy, MA EOEAA
- **Jim O'Reilly**, Policy Director, Northeast Energy Efficiency Partnership
- **Stephanie Pollack**, Assistant Director Dukakis Center, Northeastern University

This course is co-sponsored by the Department of Urban Studies and Planning (DUSP), Political Science, and the Technology and Policy Program (TPP)/Engineering System Design (ESD). It is open to graduate students and advanced undergraduates with permission of the instructor. Assignments will include short almost weekly written journal responses, a mid-term policy analysis, and a final project.

Dr. Jonathan Raab, President of Raab Associates, Ltd. (www.RaabAssociates.org) is a national leader in applying consensus-building processes to energy and environmental issues such as the Regional Greenhouse Gas Initiative (RGGI) and Cape Wind stakeholder processes. He has also run the Electric Industry Restructuring Roundtable in New England for 16 years. Formerly, Dr. Raab was the Assistant Director of the Electric Power Division at the Massachusetts Department of Public Utilities. He holds a Ph.D. from MIT and an M.S. and A.B. from Stanford, is the author of *Using Consensus Building to Improve Utility Regulation* (ACEEE: Washington, D.C.), and has taught courses at Stanford, the University of Oregon, and UMass (Boston). This will be Dr. Raab's 5th year teaching this course at MIT.