

SPRING 2017 **14.42 ENVIRONMENTAL POLICY AND ECONOMICS**

Is fracking beneficial to society? Why are renewable power sources still such a small part of global energy use? What are the environmental impacts of ride-sharing apps like Uber?

Whether you are a student of social science, natural science, physical science, or engineering, 14.42 will provide you with a useful framework for analyzing tough questions about the environment. You will learn the fundamental economics concepts that frame these questions, and you will apply them to a diverse set of topics, from electricity to transportation, and from domestic environmental policy to international climate negotiation. Activities will include:

- Economic modeling of markets which affect the environment
- Empirical analysis of actual energy market data
- An in-class negotiation game simulating real-world decisions about economics and environment
- A visit to MIT's cogeneration (power) plant
- Extensive training in science communication



**Lectures: T/Th,
2:30-4:00 PM
E51-372**

**Section: Fridays,
time TBD
E51-063**

**Professor:
Sam Stolper
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**Course website:
<http://stellar.mit.edu/S/course/14/sp17/14.42/>**

Prerequisite: 14.01
Principles of
Microeconomics

Strongly recommended:
14.30 or equivalent course
in statistics/probability