

## Course Description

This course examines the policies and technologies affecting the production and use of energy, focusing in particular on innovative and sustainable energy options needed to address climate change. Energy investments and policies will be examined at the national and international scale, and at the state and local level where novel approaches are often first introduced. Reflecting the need to design policies to address the market and other barriers faced by different types of technologies, the course is divided into technology-policy bundles.

Given the ubiquitous nature of energy in modern society, this course will offer insights for students pursuing a diversity of careers.

Wednesdays 1:55-4:40 pm • Location: ESM 210

Energy Technology & Policy - 23989

- » Tax rebates to promote electric vehicles
- » Real-time electricity pricing to promote a smart grid
- » Building standards to encourage high performance buildings
- » Renewable portfolio standards to promote solar and wind power
- » Loan guarantees for nuclear power



Dr. Marilyn A. Brown

Marilyn Brown is a professor in the School of Public Policy. Her research focuses on the design and impact of policies aimed at accelerating the development and deployment of sustainable energy technologies, with an emphasis on the electric utility industry, the integration of energy efficiency, demand response, and solar resources, and ways of improving resiliency to disruptions.



Dr. Valerie Thomas

Dr. Thomas is the Anderson Interface Professor of Natural Systems in the School of Industrial & Systems Engineering, with a joint appointment in the School of Public Policy. Dr. Thomas's research interests are energy and materials efficiency, sustainability, industrial ecology, technology assessment, international security, and science and technology policy.

