



**THE OHIO STATE UNIVERSITY**  
COLLEGE OF ENGINEERING

# Science, Engineering, and Public Policy

## ENVENG 5600

### Credit Hours:

3.00 - 3.00

### Course Components:

Lecture

### Course Description:

Presents a history of the interactions between science, engineering, and public policy in the United States and in the context of global concerns (e.g. climate change, competitiveness), inquire into how various federal government, universities, & corporations conduct & fund science and engineering & explore how public sector interests & processes influence sci, engr & public policy.

### Prerequisites and Co-requisites:

Prereq: Jr, Sr, or Grad standing; or permission of instructor.

### Course Goals / Objectives:

- Examine the processes and contexts related to science, engineering, and innovation and understand how they reflect values, goals, and interests
- Learn planning, assessment, evaluation, and public outreach skills for public sector administration and management systems in science and engineering policy at federal and state levels.
- Develop the capability to identify the relevance of advances in scientific knowledge and engineering developments to broader public policy issues.
- Synthesize the skills needed to become more effective grant seekers or managers in the public and nonprofit sectors in scientific, health, or engineering fields
- Analyze cases that involve the interactions between science, engineering, policy, public choice, risk, and consequences in fields related to Ohio State University's Discovery Themes and other current issues