ESD.10 Meta-Learning Objective: 

**Appreciate the political, social, and institutional context of technological systems**

Current issues in technology and policy

- **Learning to see:**
  - Goals (equity, efficiency, security, liberty)
  - Problem framing (symbols, numbers, causes, interests)
  - Policy solutions (inducements, rules, facts, rights, powers)

- **Learning to analyze:**
  - Policy analysis toolkit (positions, powers, resources, channels, windows, technology constraints and enablers)
  - Economics (cost-benefit analysis, pareto optimality, utility)
  - Term Project (conceive, design, execute a policy research project)

- **Learning to articulate:**
  - Writing (policy memos, policy research studies)
  - Dialogue (recitations, class discussions)
  - Presentation (term project, group homeworks)

“Real world” experiences of policy practitioners

Historical context of S&T policy

Impacts of globalization
Review of Assignment #2

• What’s the real problem that you identified in your memo?

• What are potential courses of action for dealing with the problem?

• What are the pros and cons of each course of action?

• Which course would you recommend?
Policy Strategy and Instruments

- Inducements
- Rules
- Facts
- Rights
- Powers