

## Science and Diplomacy

A course to introduce students to the role of scientists, science, technology, and innovation in international diplomatic affairs. Students will hear from science diplomacy experts to gain a framework of science diplomacy, its various sectors, participating agencies, challenges, its future and potential for action. Students will gain an understanding of the analytical and ethical skills necessary to apply science in a diplomatic/international framework. The course will utilize case-studies of science as a tool for diplomacy, as well as case-studies for diplomacy advancing science. Students will engage in a debate style assignment for science as public good vs. private good, as well as write policy briefs, memos, and op-eds.

- Modules:
  - Overview of the humanities and international relations
  - Overview of natural and social sciences, including lab practices
  - Culture, Values, and Timescales of diplomacy and of science
  - Public policy, foreign policy
  - Epistemology, scientific method, the research process, research funding
  - International spaces, global commons, international negotiation theory
  - Contemporary issues and trends in science and tech (international view)
  - Distinguishing between scientific advice, advocacy, and activism
  - Global scientific governance, international scientific institutions, MOUs
  - Science as a transnational epistemic community, mobility, and collaboration
  - Science, technology, and innovation and their repercussion on the economy and society
  - Issues of science capacity building, technology transfer, and science as a public good versus private good
- Course level:
  - PhD students and postdocs in life sciences and humanities disciplines
  - Emphasis on students generally underrepresented in STEM
- Activities:
  - Case studies of science as a tool for diplomacy (presentations given)
  - Case studies for diplomacy advancing science (presentations given)
  - Debate style assignment for science as public good vs. private good
  - Writing (memo, op-ed, policy brief)
- Other outcomes:
  - Informational interviews
  - Networks built