COS 310/510:

INTRODUCTION TO SCIENCE POLICY

INSTRUCTORS:
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SESSION B
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ONLINE SYNCHRONOUS
MONDAYS &
WEDNESDAYS
10:00 AM - 12:40 PM

3 CREDITS

COURSE DESCRIPTION:
Government policies affect all parts of society, including the scientific research enterprise. Reciprocally, science can be used to inform policy in myriad ways at different levels of government. This course will address the longstanding gap between the production of scientific research and its perceived utility by decision-makers. Core topics on the structure and function of science and technology-related bodies in the U.S. government will be discussed.

LEARNING OUTCOMES:
- Understand theoretical framework of science-policy
- Compare and contrast the roles of the branches of government in science
- Explain how evidence-based policy is generated and compare different approaches
- Apply STEM knowledge and skills to policy
- Recognize and contrast competing societal values on decision-making
- Understand and identify ways that science can be used to address societally impactful questions and develop methods to implement these approaches
- Synthesize disparate information to produce a technically accurate, but concise and understandable briefing document for non-scientist audiences

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