ENERGY MANAGEMENT AND POLICY (ENMG)

ENMG 5020 Introduction to Energy Policy
This course provides an advanced introduction to the design and delivery of energy policy at various levels of government in the U.S. and beyond. Energy presents theoretical and practical challenges across many disciplines and professions, especially in the context of economic development and environmental sustainability at scales ranging from local to global. This course is intended to provide a broad overview of the institutions, legal frameworks, technologies, and markets involved in energy policy by exploring theories and case studies across these topics, with an emphasis on the energy transition necessitated by climate change. That said, a full introduction to energy policy requires multiple courses and Penn offers many salient ones across several schools including Law, Wharton, Weitzman, SAS, and SEAS. The primary goal of this course is to teach students how to think—rather than what to know—about energy policy. As such, this course provides both (a) a foundation for students who want to take additional courses on energy law, markets, technology, or policy and (b) a synthesis for students who have taken such courses and want to connect ideas and issues across disciplines and professions. Our seminar sessions will be largely discussion and exercise based to allow students to develop skills as energy policy analysts and to collectively theorize connections between laws, institutions, policy design, and outcomes.
Fall
1 Course Unit

ENMG 5030 Topics in Energy Policy
This seminar will explore a collection of ideas influencing energy policy development in the U.S. and around the world. Our platform for this exploration will be seven recent books to be discussed during the semester. These books each contribute important insights to seven ideas that influence energy policy: Narrative, Transition, Measurement, Systems, Subsidiarity, Disruption, Attachment. Books for 2018 will be chosen over the summer; the 2017 books are listed here as examples: Policy Paradox (2011) by Stone, Climate Shock (2015) by Wagner and Weitzman, Power Density (2015) by Smil, Connectography (2016) by Khanna, Climate of Hope (2017) by Bloomberg and Pope, Utility of the Future (2016) by MIT Energy Initiative, Retreat from a Rising Sea (2016) by Pilkey, Pilkey-Jarvis, Pilkey.
Spring
Also Offered As: CPLN 5350
1 Course Unit

ENMG 5070 Ideas in Energy Policy
This seminar will explore a collection of ideas influencing energy policy development in the U.S. and around the world. Our platform for this exploration will be seven recent books to be discussed during the semester. These books each contribute important insights to seven ideas that influence energy policy: Narrative, Transition, Measurement, Systems, Subsidiarity, Disruption, Attachment.
1 Course Unit

ENMG 5080 Geopolitics of Energy in Russia and Eurasia
Russia is one of the major players in the international energy market: third largest oil producer after the U.S. and Saudi Arabia and second-largest (after the U.S.) natural gas producers (2019). It is also a top coal and nuclear power producer. But the geopolitical might that the country holds with respect to energy markets stems not as much from how much energy it produces as from how much energy it exports. Today Russia leads global natural gas exports and trails only the Kingdom of Saudi Arabia in oil exports. Russia is also reliably one of the top coal-exporting countries. This class will explore the geopolitics of energy focusing on the role of Russia as a leading global energy supplier. In doing so, it hopes to provide a slightly different understanding of global energy that is usually taught from either the U.S. or OPEC angle.
Fall
Also Offered As: REES 5640
1 Course Unit