

Introduction to Energy Technology & Policy

Wednesdays and Fridays, February 1-24, 2023

EN20088

Wednesday, February 1, 2023			
TIME	LECTURES	TOPIC	PRIMARY INSTRUCTOR
10:00 AM - 11:00 AM CT	Lecture 1	Energy Basics: <i>Transitions, Vocabulary, Uses</i>	Dr. Michael Webber
11:00 AM - 12:00 PM CT	Lecture 2	Fossil Fuels: <i>Coal, Oil, Natural Gas, Midstream and Downstream</i>	Dr. Michael Webber
Friday, February 3, 2023			
10:00 AM - 11:00 AM CT	Lecture 3	Nuclear Power	Dr. Michael Webber
11:00 AM - 12:00 PM CT	Lecture 4	Renewable Energy I: <i>Hydro, Wind, Solar</i>	Dr. Yael Glazer
Wednesday, February 8, 2023			
10:00 AM - 11:00 AM CT	Lecture 5	Renewable Energy II: <i>Geo, Ocean, Bio, Wave, Tidal</i>	Dr. Michael Webber
11:00 AM - 12:00 PM CT	Lecture 6	Energy Policy, <i>including Inflation Reduction Act</i>	Dr. Emily Beagle
Friday, February 10, 2023			
10:00 AM - 11:00 AM CT	Lecture 7	Transportation Sector: <i>Uses by Transport Mode, Electrification, Biofuels</i>	Dr. Michael Webber
11:00 AM - 12:00 PM CT	Lecture 8	Energy for Industry and the Built Environment	Dr. Joshua Rhodes
Wednesday, February 15, 2023			
10:00 AM - 11:00 AM CT	Lecture 9	The Electricity Sector I: <i>Power Plants, Heat Rates, Capacity Factors</i>	Dr. Joshua Rhodes
11:00 AM - 12:00 PM CT	Lecture 10	The Electricity Sector II: <i>Transmission, Distribution, Smart Grids, Microgrids</i>	Dr. Joshua Rhodes
Friday, February 17, 2023			
10:00 AM - 11:00 AM CT	Lecture 11	Energy & the Environment I: <i>Air, Land, Water</i>	Dr. Yael Glazer
11:00 AM - 12:00 PM CT	Lecture 12	Energy & the Environment II: <i>Equity, Sustainability and Climate Change</i>	Dr. Yael Glazer
Wednesday, February 23, 2023			
10:00 AM - 11:00 AM CT	Lecture 13	Food Energy Nexus	Dr. Yael Glazer
11:00 AM - 12:00 PM CT	Lecture 14	Energy Water Nexus	Dr. Yael Glazer
Friday, February 24, 2023			
10:00 AM - 11:00 AM CT	Lecture 15	Energy Geopolitics	Dr. Michael Webber
11:00 AM - 12:00 PM CT	Lecture 16	Megatrends: <i>Critical Technologies of the Future, Energy & Humanity</i>	Dr. Michael Webber