



Energy Technologies

Day One

Time	Topics (include lectures, hands-on work, laboratory work and social events as applicable)	Instructor(s)	Readings/ Assignments
9am-9:30am	Introductions and an overview of the course	A. Henry	
9:30am-10:45am	Climate change: The facts and implications	Daniel Cziczo	IPCC Report
10:45am – 11:00am	Coffee Break and Networking	A. Henry	
11:00am – 12:30pm	Introduction to the 1 st and 2 nd Law: What's Happening at the Atomic Level	A. Henry	[Steel ball demo + Entropy beads demo]
12:30pm – 1:45pm	Lunch	A. Henry	
1:45pm – 3:20pm	Understanding energy technologies: Current, Emerging and Future Technologies	A. Henry	[Magnetic induction demo]
3:20pm – 3:45pm	Coffee Break and Networking		
3:45pm – 5:30pm	Introduction to Energy Economics: Assignment 1 (LEDs)	A. Henry	[LED vs. Incandescent Demo]
5:30pm – 7:00pm	Break		
7:00pm – 8:30pm	Dinner and Discussion (3-5 Min Pitch/ Presentations by Graduate Students + Q & A) [Could also append late night tours of MIT labs]	A. Henry + Students	

Day Two

Time	Topics (include lectures, hands-on work, laboratory work and social events as applicable)	Instructor(s)	Readings/ Assignments
9am-9:30am	Review from Day 1	A. Henry	
9:30am-10:45am	The Impact of Energy Policy	Henry Jacoby	
10:45am – 11:00am	Coffee Break and Networking	A. Henry	
11:00am – 12:30pm	Assignment 2: Carbon Tax	A. Henry	
12:30pm – 1:45pm	Lunch	A. Henry	
1:45pm – 3:15pm	Business implications and opportunities Assignment 3: LCOE for Solar and Wind	A. Henry	
3:15pm – 3:30pm	Coffee Break and Networking		
3:30pm – 4:45pm	Assignment 4: Cogen Economics	A. Henry	
5:00pm – 6:00pm	MIT Cogen Plant Tour	A. Henry	