

Professon Gunner  
T/TH :9:30-10:45

	Lecture	Reading	Assignment
1 Tues	9/1/09 Introduction - class projects		
2 Thurs	9/3/09 Introduction- definitions of energy	Look at class web site - follow links	
3 Tues	9/8/09 more on energy	E in our minds*	Homework 1
4 Thurs	9/10/09 electrical energy		email me 3 URLs for your topic
5 Tues	9/15/09 discussion about your energy bill	E in biosphere*	
6 Thurs	9/17/09 mechanical energy: wind, hydroelectric		
7 Tues	9/22/09 chemical energy: oil, gas, coal	E in the modern world*	hmwk about your energy bill
8 Thurs	9/24/09 heat engines		
Tues	<b>9/29/09 Mon schedule-NO CLASS</b>		
9 Thurs	10/1/09 solar energy: plants and photovoltatics	E in everyday life*	homework: energy conversion
10 Tues	10/6/09 nuclear energy		
11 Thurs	10/8/09 review and catch up		
12 Tues	10/13/09 Greenhouse effect	Kolbert III	
13 Thurs	10/15/09 Greenhouse effect		describe: positive feedback and why it's scary
14 Tues	10/20/09 Calculating the energy do we need to do something		
15 Thurs	10/22/09 energy distribution		
16 Tues	10/27/09		
17 Thurs	10/29/09 transportation		
18 Tues	11/3/09 lighting		
19 Thurs	<b>11/5/09 LIBRARY 1/340 Cohen Library</b>		
20 Tues	11/10/09 cooling/heating		
21 Thurs	11/12/09 farming		
22 Tues	11/17/09 conservatin		
23 Thurs	11/19/09 international energy		
24 Tues	11/24/09		
Thurs	<b>11/26/09 Thanksgiving</b>		
25 Tues	12/1/09 Discussion by group		
26 Thurs	12/3/09 Discussion by group		
27 Tues	12/8/09 Discussion by group		
28 Thurs	12/10/09 Discussion by group		

**\*Vaclav Smil: Energy**

<http://www.sci.ccny.cuny.edu/~gunner/Pages-FIQWS/kolbert-3.pdf>