

BRAE 348 – Energy for a Sustainable Society
 BioResource And Agricultural Engineering Department
 Course Outline
 Spring 2004

Instructor: Douglas W. Williams
 Office: Bld. 08 - Lab 4
 Telephone: 756-6153

Lecture: 08-123, MWF: 8:10 - 9:00 am
 Activity: 08A-005, W: 3:10 - 5:00 pm

<u>WEEK OF</u>	<u>SUBJECT</u>	<u>READING ASSIGNMENT</u>
March 29	Introduction, Holiday,	<u>CHAPTER:</u> Energy- 1
April 5	Energy Mechanics, Energy Conservation	Energy – 2,3
April 12	Heat and Work	Energy - 4
April 19	Home Energy Conservation	Energy - 5
April 26	Solar Energy – Heating, Midterm	Energy – 6
May 3	Energy from Fossil Fuels, Pollution	Energy – 7,8
May 10	Global Warming, Electricity	Energy – 9, 10
May 17	Electric Generation, Electricity from Solar, Wind, and Hydro	Energy – 11, 12
May 24	Electricity from Solar, Wind, Hydro and Biomass	Energy – 12, 17
May 31	Energy From Biomass –Methane, Ethanol, Biodiesel	Energy – 17
June 9	Final Exam, 7:10 – 10:00 am	

Textbooks:

Energy : Its use and the Environment, By Hinrichs and Kleinbach, 3rd ed., 2002.