AME 414

Engineering Thermodynamics II Spring 2020, RTH 109, M, W 12:30 pm - 1:50 pm

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Text: Fundamentals of Thermodynamics, by

Borgnakke & Sonntag (8th edition)

<u>WEEKS</u> <u>TOPICS</u>

1	Review of AME 310 (Chapters 1-6)
2, 3	Second Law of Thermodynamics and Exergy (Chapters 7 & 8)
4, 5, 6	Power and Refrigeration systems (Chapters 9 & 10)
6, 7	Gas Mixtures (Chapter 11)
8	Thermodynamic Relations (Chapter 12)
9	Chemical Reactions (Chapter 13)
10	Spring Break
11	Chemical Reactions (Chapter 13)
12, 13	Introduction to Phase and Chemical Equilibrium (Chapter 14)
14, 15	Introduction to Equilibrium Electrochemistry (Notes)

Grading:	Midterm Exam #1	February 24 (M)	(12:45 pm - 1:45 pm)	20%
	Midterm Exam #2	March 30 (M)	(12:45 pm - 1:45 pm)	20%
	Final Exam	May 8 (F)	(11:00 am - 1:00 pm)	40%
	Homework Assignments			

Remarks:

- 1. Homework assignments will be given every Monday and will be due the following Monday; late work will not be accepted.
- 2. The use of laptops or cell phones to access the internet/e-mail during class and/or exams is not allowed. Such devices are allowed only to access material pertaining to the class.