

AME 310

Engineering Thermodynamics

Fall 2010

GFS 118 (T, Th 12:30-1:45)

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Class Consultation: M 2-3, W 9-12, Th 2-4
Discussion Sessions T 5:00-5:50, Location: TBD
W 6:30-7:20, Location: TBD

Text: *Fundamentals of Thermodynamics*, by
Borgnakke & Sonntag (7th edition)

<u>WEEKS</u>	<u>CHAPTERS</u>
1, 2	1, 2 - Introduction, Units
2, 3, 4	3 - Properties of Pure Substance
4, 5, 6	4 - Work and Heat
6, 7, 8, 9, 10, 11	5,6 - 1st Law of Thermodynamics
11, 12, 13, 14, 15	7,8,9.1-9.3 - 2nd Law & Entropy

Grading:

2 Midterm Examinations (60 min)	40% (20%+20%)
Final Examination (2 hrs)	40%
Computer Problem	10%
Homework	10%

Examinations:

Midterm Exam #1:	October 5 (T)	GFS 118	(12:30-1:30)
Midterm Exam #2:	November 11 (Th)	GFS 118	(12:30-1:30)
Final Exam:	December 14 (T)	GFS 118	(11:00-1:00)

Remarks:

1. Homework assignments will be given every Thursday and will be due the following Thursday; late work will not be accepted.
2. All examinations will be open book but only sheet of paper will be allowed written on both sides. Homework and other written material will not be allowed.
3. ***The use of laptops/iPads/cell phones to access the internet/e-mail or doing any kind of work during class and/or exams is not allowed.***