

THE UNIVERSITY OF MICHIGAN
Department of Mechanical Engineering

ME 235 Thermodynamics I / Section 002
Winter 2008

Instructor: Kevin Pipe, pipe@umich.edu, 2146 G.G. Brown, 763-6624
Office hours: MWF 1:30-2:30pm

Class: Mon/Wed/Fri 2:30-3:30pm 1670 CSE

Web page: <http://ctools.umich.edu>

GSI: Arjun Krishnan
Office hours: Mondays 4-6 pm FLC B
Tuesdays 2-6 pm FLC B
Wednesdays 10:30 am – 1:30 pm FLC C

Problem Sessions: Mondays 6-7 pm Location TBA

Text: *Introduction to Engineering Thermodynamics*, 2nd ed.
R.E. Sonntag and C. Borgnakke
John Wiley & Sons, New York, 2007.

Coverage: Text Chapters 1-11 (Chs. 10 and 11 will be partially covered).

Homework: Due on Wednesday following the week of lectures.
Each problem graded 0-1-2 (based mainly on effort).
Late homeworks are marked down by 25% per day.
Homeworks will not be accepted after the Friday class.

Exams: Date and time are subject to change.
Exam #1: Friday February 8 during lecture time
Exam #2: Friday March 28 during lecture time
Final: Monday April 21, 1:30 – 3:30 pm
All exams are open-book.

Course grade: Homework 15%
Midterm #1 25%
Midterm #2 25%
Final 35%

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Tentative Schedule

Week	Dates	Reading Material	Homework Problems
1	Jan. 4	Ch. 2	2.21, 2.25, 2.30, 2.31, 2.39, 2.41
2	Jan 7, 9, 11	Ch. 2-3	2.52, 2.57, 3.19, 3.31, 3.35, 3.36
3	Jan. 14, 16, 18	Ch. 3-4	3.45, 3.47, 3.53, 4.28, 4.35, 4.43
4	Jan. 23, 25	Ch. 4-5	TBA (on web page calendar)
5	Jan. 28, 30, Feb. 1	Ch. 5	TBA
6	Feb. 4, 6, 8	Ch. 6	TBA
Exam #1, Feb. 8 during lecture time			
7	Feb. 11, 13, 15	Ch. 6-7	TBA
8	Feb. 18, 20, 22	Ch. 7	TBA
	Feb. 25-29	Winter Break	
9	Mar. 3, 5, 7	Ch. 8	TBA
10	Mar. 10, 12, 14	Ch. 8-9	TBA
11	Mar. 17, 19, 21	Ch. 9	TBA
12	Mar. 24, 26, 28	Ch. 11	TBA
Exam #2, Mar. 28 during lecture time			
13	Mar. 31, Apr. 2, 4	Ch. 11,10	TBA
14	April 7, 9, 11	Ch. 10	TBA
15	April 14	Make-up &	TBA
Final Exam Monday April 21, 1:30 – 3:30pm			

Notes:

- Additional study problems are available on the course homepage and will be covered during the problem sessions by the GSI.
- Homework assignments, schedule, and announcements are posted on the course homepage. Students should frequently check the course homepage for further updates.