

Tentative Course Syllabus

ME 331: Fluid Mechanics

Revised 1-12-11

Instructor: Dr. Duane L. Abata, Professor of Mechanical Engineering

Textbook: "Fluid Mechanics, Fundamentals and Applications" by Cengel and Cimbala, 2nd Ed.

	day	date	read <u>before</u> class	homework <u>due</u>
1	F	Jan 14	Introduction	
	M	Jan 17	Martin Luther King Day (no class)	
2	W	Jan 19	Chapter 1	1-25, 1-38, 1-40E
3	F	Jan 21	Chapter 2, sections 2-1 to 2-6	2-11, 2-60
4	M	Jan 24	Chapter 2, section 2-7	2-75, 2-105
5	W	Jan 26	Chapter 3, sections 3-1 to 3-5	3-8, 3-10, 3-73
6	F	Jan 28	Chapter 3, sections 3-6, 3-7	3-99, 3-119,
7	M	Jan 31	Chapter 4, sections 4-1 to 4-4	3-116, 4-5
8	W	Feb 2	Chapter 4, sections 4-5, 4-6	4-20, 4-91C (discussion, not on board)
9	F	Feb 4	Chapter 5, sections 5-1, 5-2	5-10, 5-15
10	M	Feb 7	Review	2-14, 2-77, 3-76E, 3-98 (in class)
11	W	Feb 9	First Hour Exam	
12	F	Feb 11	discussion	
13	M	Feb 14	Chapter 5, sections 5-3	5-20, 5-22E, 5-24
14	W	Feb 16	Chapter 5, sections 5-4	5-40, 5-48E, 5-50
15	F	Feb 18	Chapter 5, sections 5-5 to 5-6	5-84, 5-89
	M	Feb 21	President's Day (no class)	
16	W	Feb 23	Chapter 6, 6-1 to 6-4	6-23, 6-27E
17	F	Feb 25	Chapter 6, 6-5, 6-6	6-31E, 6-58
18	M	Feb 28	Chapter 7, 7-1 to 7-3 (skim)	6-67, 6-90
19	W	Mar 2	review	5-23, 5-60, 6-20
20	F	Mar 4	second hour exam	
	M	Mar 7	Spring break (no class)	
	W	Mar 9	Spring break (no class)	
	F	Mar 11	Spring break (no class)	
21	M	Mar 14	discussion	
22	W	Mar 16	Chapter 7, 7-4 and 7-5	7-39, 7-44
23	F	Mar 18	Chapter 8, 8-1 to 8-4	8-32, 8-41
24	M	Mar 21	Chapter 8, 8-5, 8-6	8-46, 8-48
25	W	Mar 23	Chapter 8, 8-7, 8-8	8-81E, 8-96
26	F	Mar 25	Chapter 9, 9-1 to 9-3	9-18, 9-88
27	M	Mar 28	Chapter 9, 9-4 to 9-6	9-113C, 9-121
28	W	Mar 30	review	8-44a, 8-120E, 8-123

29	F	Apr 1	third hour exam	
30	M	Apr 4	Fluent application	
31	W	Apr 6	Fluent application	
32	F	Apr 8	Chapter 11, 11-1 to 11-4	11-22, 11-23
33	M	Apr 11	Chapter 11, 11-5 to 11-7	11-26E, 11-31E
34	W	Apr 13	Chapter 12, 12-1, 12-2	11-62
35	F	Apr 15	Chapter 12, 12-3	12-5, 12-21
36	M	Apr 18	Chapter 12, 12-4	12-26, 12-45
37	W	Apr 20	Chapter 12, 12-5	12-47, 12-50E
38	F	Apr 22	Easter (no class)	
39	M	Apr 25	Easter (no class)	
40	W	Apr 27	Chapter 12, 12-6	12-67
41	F	Apr 29	review	11-34, 12-24
	M	May 2	begin FINAL EXAM WEEK	