Wk/Le	Day	Date	Reading Before Class	Topic	HW To Do After Class
1/1	M	Dec 2	9-1 to 9-4	Course preliminaries, definition of a fluid	
1/2	T	Dec 3	2-5 to 2-6	Hydrostatics: Pressure and pressure gradient; manometers	2-41, 2-46, 2-62
1/3	R	Dec 5	10-1 to 10-3	Hydrostatics: Pressure distributions on submerged surfaces	10-11, 10-19
2/4	M	Dec 9	10-4 to 10-5	Hydrostatics: Buoyancy	10-37, 10-28, 10-32
2/5	T	Dec 10	5-4, ES 201 notes	Review Mass, LM, Energy, Entropy, Steady-state devices	5-62E, 5-75
2/6	R	Dec 12	11-1, ES201 notes	Mechanical energy balance: key assumptions; when applicable; losses	11-5, 11-6
3/7	M	Dec 16	11-2 to 11-3	Mechanical energy balance: relation between Sgen and losses; best case - the Bernoulli eqn	11-43, 11-45
3/8	T	Dec 17	11-4	Mechanical energy balance: energy, pressure, head forms; examples	11-63, 11-70
3/9	R	Dec 19	12-1,2, 9-4	Pipe flow	9-12, 12-4C, 12-9C
				Winter Recess Dec 21 to Jan 5	
4/10	M	Jan 6	12-3 to 12-4	Major losses, pipe friction	12-25, 12-35, 12-42
4/11	T	Jan 7	12-5 to 12-6	Minor losses	12-72, 12-79
4/12	R	Jan 9	12-6	Pipe systems	11-105
5/13	M	Jan 13		**Exam 1** (Lessons 1-12)	
5/14	T	Jan 14	3-1 to 3-4	Pure substance: state postulate, p-v-T surface, phase change	3-2, 3-4, 3-6, 3-9
5/15	R	Jan 16	3-6	Pure substance: quality, property tables	3-28, 3-29
6/16	M	Jan 20	Tables A-4 to A-14	Pure substance: property table practice	3-56, 3-57, 3-102
6/17	T	Jan 21		Pure substance: practice	5-11, 5-132
6/18	R	Jan 23	3-7, 3-9, 3-10	Ideal gases: What if specific heats are *not* constant? u & h changes	3-72, 3-93, new 3-93(d) find the Δu by using Table A-17
7/19	M	Jan 27	7-7, 7-9	Ideal gases: What if specific heats are *not* constant? s changes	7-62, 7-63
7/20	T	Jan 28	7-4 to 7-6	Isentropic processes, T-s diagrams	7-34, 7-40, 8-104, 8-133
7/21	R	Jan 30	7-12	Adiabatic efficiencies	7-87, 7-90
8/22	M	Feb 3	8-5,6,7,10,11	Simple power cycles	8-103
8/23	T	Feb 4	8-14,16,17,18	Simple refrigeration cycles	8-132
8/24	R	Feb 6		Applications	
9/25	M	Feb 10		**Exam 2** (Lessons 14 - 24)	
9/26	T	Feb 11	13-1 to 13-2	Lift & drag: Intro, definitions	3-41C, 13-47, 13-54
9/27	R	Feb 13	13-3 to 13-6	Lift & drag: Drag coefficients, form vs. friction drag, streamline and blunt objects	13-12C, 13-13C, 13-33, 13-40E
10/28	M	Feb 17	13-7 to 13-8	Lift & drag: Lift coefficients	13-56C, 13-62, 13-63
10/29	T	Feb 18		Lift & drag: Applications	13-72C, 13-88
10/30	R	Feb 20		Review for final, evaluations	