Wk/Le	Day	Date	Reading Before Class	Topic
1/1	M	Dec 1		Course preliminaries
1/2	T	Dec 2	5-4, ES 201 notes	Review Mass, LM, Energy, Entropy, Steady-state devices
1/3	R	Dec 4	3-1 to 3-4	Pure substance: state postulate, p-v-T surface, phase change
2/4	M	Dec 8	3-6	Pure substance: quality, property tables
2/5	T	Dec 9	Tables A-4 to A-14	Pure substance: property table practice
2/6	R	Dec 11		Pure substance: practice
3/7	M	Dec 15	3-7, 3-9, 3-10	Ideal gases: What if specific heats are *not* constant? u & h changes
3/8	T	Dec 16	7-7, 7-9	Ideal gases: What if specific heats are *not* constant? s changes
3/9	R	Dec 18	7-4 to 7-6	Isentropic processes, T-s diagrams
				Winter Recess Dec 20 to Jan 4
4/10	M	Jan 5	7-12	Adiabatic efficiencies
4/11	T	Jan 6	8-5,6,7,10,11	Simple power cycles
4/12	R	Jan 8	8-14,16,17,18	Simple refrigeration cycles
5/13	M	Jan 12		Applications
5/14	T	Jan 13		**Exam 1** (Lessons 1-13)
5/15	R	Jan 15	2-5 to 2-6, 9-1 to 9-4	Hydrostatics: Pressure and pressure gradient; manometers, Definition of a fluid
6/16	M	Jan 19	10-1 to 10-3	Hydrostatics: Pressure distributions on submerged surfaces
6/17	T	Jan 20	10-4 to 10-5	Hydrostatics: Buoyancy
6/18	R	Jan 22	11-1 ES201 notes	Mechanical energy balance: key assumptions; when applicable; losses
7/19	M	Jan 26	11-2 to 11-3	Mechanical energy balance: relation between Sgen and losses; best case - the Bernoulli eqn
7/20	T	Jan 27	11-4	Mechanical energy balance: energy, pressure, head forms; examples
7/21	R	Jan 29	12-1,2, 9-4	Pipe flow
8/22	M	Feb 2	12-3 to 12-4	Major losses, pipe friction
8/23	T	Feb 3	12-5 to 12-6	Minor losses
8/24	R	Feb 5	12-6	Applications
9/25	M	Feb 9	13-1 to 13-3	Lift & drag: Intro, definitions, friction & pressure drag
9/26	T	Feb 10		**Exam 2** (Lessons 15 - 24)
9/27	R	Feb 12	13-4 to 13-6	Lift & drag: Drag coefficients, flat plates, cylinders & spheres
10/28	M	Feb 16	13-7 to 13-8	Lift & drag: Lift coefficients
10/29	T	Feb 17		Lift & drag: Applications
10/30	R	Feb 19		Review for final, evaluations