

COURSE OUTLINE

9/24	Th	Lecture 1	Introduction, State Variables, Zeroth Law	Ch 1
9/29	Tu	Lecture 2	Temperature, Equations of State, Ideal Gas	Ch 2
10/1	Th	Lecture 3		App A
10/6	Tu	Lecture 4	First Law, Work, Heat	Ch 3
10/8	Th	Lecture 5	Enthalpy, Heats of Transformation	Ch 4
10/13	Tu	Lecture 6	Heat Engines, Carnot Cycle	Ch 5
10/15	Th	MIDTERM 1		
10/20	Tu	Lecture 7	Second Law	Ch 6
10/22	Th	Lecture 8	Entropy	Ch 7
10/27	Tu	Lecture 9		
10/29	Th	Lecture 10	Thermodynamic Potentials	Ch 8
11/3	Tu	Lecture 11	Chemical Potential	Ch 9
11/5	Th	Lecture 12	Third Law	Ch 10
11/10	Tu	MIDTERM 2		
11/12	Th	Lecture 13	Kinetic Theory of Gases	Ch 11
11/17	Tu	Lecture 14	Statistical Thermodynamics	Ch 12
11/19	Th	Lecture 15	Classical and Quantum Statistics	Ch 13
11/24	Tu	Lecture 16	Classical Statistical Treatment of Ideal Gas	Ch 14
11/26	Th	HOLIDAY		
12/1	Tu	Lecture 17	Heat Capacity of Diatomic Gas	Ch 15
12/3	Th	Lecture 18	Heat Capacity of Solid	Ch 16
12/11	F	FINAL 11:30 am-2:29 pm		
