

ChEn 273
Tentative Schedule

Fall, 2018

Lecture	Day	Date	Topic	Reading Due	Homework Due (4th Ed)	Assign. #
1	W	Sep 5	Units, Curve-fitting, Interpolation	2.0-2.6		
2	F	7	Composition, Basis, Temp	3.0-3.3; 3.5	Sp2	1
3	M	10	Pressure	3.4,3.6	3.3,3.10,3.16,3.25,3.27	2
4	W	12	Balances	4.0-4.2	Sp3,3.44,3.56,3.67	3
5	F	14	Degrees of Freedom	4.3	4.1,4.3,10.1,Sp4	4
6	M	17	Mass Balance (Non Reacting)	4.3	4.13,4.17,4.18	5
7	W	19	Multi-Unit Processes	4.4	4.26,4.27,4.33a-c	6
8	F	21	Recycle, Purge	4.5	4.38,4.40	7
9	M	24	Reaction Stoichiometry	4.6	4.42,4.49	8
10	W	27	Balances on Reacting Systems	4.7	4.52,4.53	9
	W	27	Career Fair			
	Th	28	Career Fair			
11	F	29	DOF, Examples	4.8	4.56,4.67,4.68	10
12	M	Oct 1	Combustion Reactions	4.8-4.10	4.69,4.78	11
13	W	3	Review for Exam		4.90,4.91	12
14	F	5	Exam #1			
15	M	8	Ideal Gases and Liquids	5.0-5.2		
16	W	10	Non-Ideal Gases	5.3-5.5	5.15,5.25,5.34,5.36	13
	Th	11	Dean's Lecture, JSB Auditorium, 11 am			
17	F	12	Vapor-Liquid Systems	6.1-6.2	5.83,5.88,5.101	14
18	M	14	Raoult's Law	6.3-6.4	6.2,6.5,6.8,Sp6a	15
19	W	17	Bubble & Dew Points	6.4	6.17,6.28,6.35	16
20	F	19	Solid-solid, liquid-liquid	6.5-6.8	6.63,6.64	17
21	M	21	Review for Exam		6.68,6.103,Sp6b	18
22	W	24	Exam #2			19
23	F	26	Conservation of Energy	7-7.3		
24	M	29	Open Systems - 1st Law	7.4-7.5	7.2,7.7,7.11,7.12	20
25	W	31	Examples	7.6	7.18,7.21,7.23,7.32	21
26	F	Nov. 2	Mechanical Energy Balances	7.7-7.8	7.36,7.45,7.46	22
27	M	5	Heat Capacities	8.1-8.4c	7.55,7.56	23
28	W	7	Psychrometric Charts	8.4d-e	8.4,8.11, 8.26	24
	Th	8	Dean's Lecture, JSB Auditorium, 11 am			
29	F	9	Heats of Reaction	9.1-9.4	8.85,8.88,8.90	25
30	M	12	Energy Balances - Reactions	9.5a-b***	9.5,9.7,Sp9a	26
31	W	14	Energy Balances - Reactions	9.5a-b***	9.28,9.38	27
32	F	16	Solid Fuels	9.6b	9.37, 9.43a&b	28
33	M	19	Adiabatic Flame Temperature	9.5c-9.6a	Sp9b,9.63	29
34	Tue	20	Transient Balances	11-11.2	Sp9c,9.66	30
	W	21	No Class- Thanksgiving			
	F	23	No Class- Thanksgiving			
35	M	26	Review for Exam		10.4,10.12,Sp11	31
36	W	28	Exam #3 (11/27 to 12/1)			
37	F	30	case study	14		
38	M	Dec. 3	case study		14.1-14.5	
39	W	5	case study		14.6-14.10	
40	F	7	case study		14.11-14.15	
41	M	10	case study		14.16-14.20	
42	W	12	Review for Final Exam		Case Study Due!	
	M	Dec 17	Final Exam - 7-10 am			
*Student Workbook Problem						
#Change made in a number, please check the homework helps online						
**Tuesday, Nov 20 is a BYU "Friday"						
***Skip Heat of reaction method on pages 504-506, skip examples 9.5-1 and 9.5-3						
Dr. Fletcher will be gone these days						
Changed from original schedule						