

ChE 273  
Schedule

Lecture	Day	Date	Topic	Reading Due	Homework Due (3rd Ed)	Homework Due (4th Ed)	Assign. #	Mathcad?
1	W	Sep 6	Stream Variables, Units	2.0-2.6				
2	F	8	Interpolation, Curve-Fitting	2.7-2.8	2.2,2.6*#,2.8,2.11,Sp2.1	2.2,2.7,2.9,2.14,Sp2.1	1	no
3	M	11	Composition, Basis, Temp	3.0-3.3; 3.5	2.22,2.26,2.31,2.38	2.26,2.30,2.39,2.47	2	no
4	W	13	Pressure	3.4,3.6	3.3*,3.8,3.18,3.21	3.3,3.10,3.16,3.28	3	no
5	F	15	Balances	4.0-4.2	Sp3.1,3.32,3.42*,3.48#	Sp3.1,3.44,3.56,3.63#	4	no
6	M	18	Degrees of Freedom	4.3	4.1,4.2,11.1,Sp4.1	4.1,4.3,10.1,Sp4.1	5	no
7	W	20	Mass Balance (Non Reacting)	4.3	4.10,4.11*,4.13	4.13,4.17,4.21	6	no
8	F	22	Multi-Unit Processes	4.4	4.16*,4.17,4.18	4.26,4.27,4.28	7	no
9	M	25	Recycle, Purge	4.5	4.28,4.29	4.38,4.40	8	no
10	W	27	Review for Exam		4.31,4.32*,4.33	4.42,4.43,4.44	9	no
11	F	29	<b>Exam #1 (9/27 to 10/2)</b>					
12	M	Oct 2	Reaction Stoichiometry	4.6				
13	W	4	Balances on Reacting Systems	4.7	4.39,4.40	4.52,4.53	10	
14	F	6	DOF, Examples	4.8	4.42,4.49,4.50*	4.56,4.67,4.68	11	
15	M	9	Combustion Reactions	4.8-4.10	4.51,4.59*	4.69,4.78	12	
16	W	11	Ideal Gases and Liquids	5.0-5.2	4.69,4.70*	4.91,4.92	13	
17	F	13	Non-Ideal Gases	5.3-5.5	5.11,5.19*,5.25,5.27	5.15,5.25,5.34,5.36	14	
18	M	16	Vapor-Liquid Systems	6.1-6.2	5.62,5.68,5.80*	5.83,5.88,5.101	15	
19	W	18	Raoult's Law	6.3-6.4	6.2,6.6,6.9,Sp6a	6.2,6.5,6.8,Sp6a	16	
20	F	20	Bubble & Dew Points	6.4	6.18*,6.27,6.33	6.17,6.28,6.35	17	
21	M	23	Solid-solid, liquid-liquid	6.5-6.8	6.60*,6.61	6.63,6.64	18	
22	W	25	Review for Exam		6.65,6.95,Sp6b	6.68,6.103,Sp6b	19	
23	F	27	<b>Exam #2 (10/25 to 10/30)</b>					
24	M	30	Conservation of Energy	7-7.3				
25	W	Nov 1	Open Systems - 1st Law	7.4-7.5	7.2,7.6,7.9,7.10*	7.2,7.7,7.11,7.12	20	
26	F	3	Examples	7.6	7.16,7.19,7.21*,7.28*	7.18,7.21,7.23,7.32	21	
27	M	6	Mechanical Energy Balances	7.7-7.8	7.32,7.41*,7.42	7.36,7.45,7.46	22	
28	W	8	Heat Capacities	8.1-8.4c	7.51,7.52	7.55,7.56	23	
29	F	10	Psychrometric Charts	8.4d-e	8.4,8.9*,8.12	8.4,8.11,8.14	24	
30	M	13	Heats of Reaction	9.1-9.4	8.72*,8.74,8.76	8.85,8.88,8.90	25	
31	W	15	Energy Balances - Reactions	9.5a-b***	9.5,9.7,Sp9a	9.5,9.7,Sp9a	26	
32	F	17	Solid Fuels	9.6b	9.23,9.32	9.28,9.38	27	
33	M	20	Adiabatic Flame Temperature	9.5c-9.6a	Sp9b, 9.54	Sp9b,9.63	28	
34	Tue	21	Transient Balances	11-11.2	Sp9c,9.56	Sp9c,9.66	29	
	W	22	No Class- Thanksgiving					
	F	24	No Class- Thanksgiving					
35	M	27	Review for Exam		11.4,11.9,Sp11	10.4,10.12,Sp11	30	
36	W	29	<b>Exam #3 (11/27 to 12/1)</b>					
37	F	Dec 1	case study	14				
38	M	4	case study		14.1-14.5			
39	W	6	case study		14.6-14.10			
40	F	8	case study		14.11-14.15			
41	M	11	case study		14.16-14.20			
42	W	13	Review for Final Exam		Case Study Due!			
	M	Dec 18	<b>Final Exam - 7-10 am</b>					
*Student Workbook Problem								
#Change made in a number, please check the homework helps online								
**Tuesday, Nov 21 is a BYU "Friday"								
***Skip Heat of reaction method on pages 450-451, skip examples 9.5-1 and 9.5-3								
Dr. Fletcher will be gone these days								