

CHEM 130 Tentative Course Schedule — Spring 2015 — Section 1 (11:00–11:50am)

Doing problems is critical for success in this course. There are problems given throughout the chapter and you should do each of these as you come to it. Recommended problems from the end of the chapter should also be worked.

Date	Topics	Recommended Problems
<u>Week #1</u> W Jan 21 F Jan 23	Introduction Ch 1 — <i>Electronic structure & covalent bonding</i> Ch 1 cont.	Ch. 1: 1-30
<u>Week #2</u> M Jan 26 W Jan 28 F Jan 30	Ch 1 cont. Ch 2 — <i>Acids / bases (only pKa / equilibrium)</i> Ch 3 — <i>Intro to organic compounds</i>	Ch. 2: Be able to predict position of equilibrium based on pKa
<u>Week #3</u> M Feb 2 W Feb 4 F Feb 6	Ch 3 cont. Add/drop deadline Feb 3 Ch 3 cont. Ch 3 cont.	Ch. 3: 1-33, 34-36, 38, 42, 43, 48, 50, 57, 61
<u>Week #4</u> M Feb 9 W Feb 11 F Feb 13	Exam 1 — 100 points Ch 4 — <i>Alkenes</i> Ch 4 cont.	Ch. 4: 1-6, 11-18, 20, 22, 26, 27, 34
<u>Week #5</u> M Feb 16 W Feb 18 F Feb 20	Ch 4 cont. Ch 5 — <i>Reactions of alkenes/alkynes</i> Ch 5 cont.	Ch. 5: 1-8, 10-27, 30, 33, 34, 36, 38, 41, 42, 49, 51, 57, 59, 69
<u>Week #6</u> M Feb 23 W Feb 25 F Feb 27	Ch 5 cont. Ch 5 cont. Ch 6 — <i>Isomers and stereochemistry</i>	Ch. 6: 1 – 16, 18 – 28, 32, 34, 35, 44, 46, 48, 51, 54
<u>Week #7</u> M Mar 2 W Mar 4 F Mar 6	Ch 6 cont. Ch 6 cont. Review	
<u>Week #8</u> M Mar 9 W Mar 11 F Mar 13	Exam 2 — 100 points Ch 7 — <i>Delocalized electrons</i> Ch 7 cont.	Ch. 7: 1-19, 22, 23, 26, 28, 31, 32

CHEM 130 Course Schedule (continued)

Date	Topics	Problems
<u>Week #9</u> M Mar 16 W Mar 18 F Mar 20	Ch 7 cont. Ch 7 cont. Ch 8 — <i>Aromaticity</i>	Ch. 8: 1-11, 14-15, 16, 17, 18, 19, 23, 24, 26abc, 27, 28, 29, 33, 36, 37
<u>Week #10</u> M Mar 23 W Mar 25 F Mar 27	Ch 8 cont. Ch 8 cont. Ch 9 — <i>Substitution & Elimination Reactions</i>	
M Mar 30 W Apr 1 F Apr 3	No class — Spring Break No class — Spring Break No class — Spring Break	
<u>Week #11</u> M Apr 6 W Apr 8 F Apr 10	Ch 9 cont. Ch 9 cont. Ch 9 cont.	Ch. 9: 1-28, 30, 31, 33-37 39,52
<u>Week #12</u> M Apr 13 W Apr 15 F Apr 17	Exam 3 — 100 points Ch. 10 — <i>Reactions of Alcohols, Amines, Ethers & Epoxides</i>	Ch. 10: 1-21, 22, 24, 25, 29, 37, 42, 48
<u>Week #13</u> M Apr 20 W Apr 22 F Apr 24	Ch 10 cont. Ch 10 cont. Ch 11 — <i>Carbonyl Compounds I</i>	Ch. 11: 1-2, 12-18, 26, 29, 31, 33, 34, 38(c,d), 41, 42.
<u>Week #14</u> M Apr 27 W Apr 29 F May 1	Ch 11 cont. Ch 11 cont. Ch 12 — <i>Carbonyl Compounds II</i>	Ch. 12: 1-3, 11-12, 14-17, 19, 20, 25(a-d), 36(a)
<u>Week #15</u> M May 4 W May 6 F May 8	Ch 12 cont. Ch 12 cont. No class — final exams begin	
<u>Week #16</u> M May 11	Final Exam for Section 1 — 10:30 AM	