

Chemistry 342, Jasperse, Summer 2013 (38 days)			Reading Assignment
Date	Topic		
June 10	No Class		
1. June 11	Intro; Structure, Nomenclature, Properties, Synthesis Review		4.3-6,
2. June 12	Synthesis of Alcohols; Grignard Reactions		14.6, 19.12
3. June 13	Synthesis of Alcohols; Grignard Reactions		14.6,9; 16.12
4. June 14	Grignard Reactions; Reduction Reactions		14.9; 15.2,4
	Skip: 14.7,8,10-16		
5. June 17	Acidity of Alcohols, Oxidation of Alcohols		1.14,16; 15.9
6. June 18	Halogenation of Alcohols		4.7-14
7. June 19	Synthesis and Retrosynthesis		14.9
8. June 20	Catchup, Multistep Synthesis Problems; Tosylates;		8.12
9. June 21	Catchup, Multistep Synthesis Problems		Catchup
	Skip: 15.7,11,12-		
10. June 24	NMR Intro: Chemical Shift, Integration, and Splitting; NMR Problem Solving		13.1-6,25
11. June 25	¹ H NMR Problem Solving		13.4-12
12. June 26	Test #1 Covering Chapters 14-16.		Test 1
13. June 27	¹ H NMR Problem Solving		13.4-12
14. June 28	¹³ C NMR		13.14-19
	Skip: 13.22-24		
15. July 1	Infrared Spectroscopy		13.21-23
16. July 2	Integrated Practice Problems		Practice
17. July 3	Ketones/Aldehydes. Nomenclature, Properties, Intro, Synthesis		
July 4	NO CLASS		17.1-4
18. July 5	Synthesis and Reactions of Ketones/Aldehydes.		17.5-6
19. July 8	Reactions of Ketones/Aldehydes		17.7
20. July 9	Test #2 Covering Chapters 17 and 10.		Test 2
21. July 10	catchup		17.8,9
22. July 11	Reactions of Ketones/Aldehydes		17.10, 15-17
23. July 12	Enolates Intro. Acid/Base Considerations; Proton as Electrophile		20.1,13,16
	Skip: 17.11		
24. July 15	Halogenation; Alkylation; Ester Hydrolysis; Decarboxylation		20.14,9-11
25. July 16	The Aldol Reaction (Aldehyde/Ketone as Electrophile)		20.3,4
26. July 17	Claisen Reaction (Ester as Electrophile);		20.5-8
27. July 18	The Wittig Reaction; Catchup.		17.12,13
28. July 19	Catchup, Integrated Practice Problems.		Catchup
	Skip: 20.15,17-20		
29. July 22	Amines, Nomenclature, Properties, Basicity		21.1-4
30. July 23	Amines, Basicity		21.5-7
31. July 24	Test #3 Covering Chapters 19, 22, and 23.		Test 3
32. July 25	Reactions and Synthesis of Amines		21.9-12,17
33. July 26	Carboxylic Acid Nomenclature and Acidity		18.1-7
	Skip: 21.5,8,13-15,18		
34. July 29	Synthesis and Reactions of Acids		18.10-18
35. July 30	Interconversions Among Acids and Derivatives		19.1-11
36. July 31	Interconversions Among Acids and Derivatives, Catchup		19.12-20
37. Aug 1	Practice Problems, Catchup		-
38. Aug 2	Test #4 Chapters 24, 20, 21		Test 4

Tentative
Letter
Grades:
A: 90%
B: 80%
C: 70%
D: 56%

The above reading assignments assume you are using Carey, v8. See the following if you are using:

Wade, v6: <http://web.mnstate.edu/jasperse/Chem342/Other%20Books-Problems%20and%20Readings%20342/Chem342%20Wade%206.pdf>

Wade, v7: <http://web.mnstate.edu/jasperse/Chem342/Other%20Books-Problems%20and%20Readings%20342/Chem342%20Wade%207.pdf>