

**Simmons College Chemistry 112- Spring 2008**  
**Tentative Syllabus and Lecture Outline**

**UNIT I: Hydrocarbons and Nomenclature**

Office Hours: M, W 1:30-3

Study Groups: 18 hours to choose from!! Be sure to attend at least once a week!!

Sunday	Monday	Tuesday
2-4 PM in library		3:30-5:30 PM in 4 <sup>th</sup> flr Sci Bldg.
6-10 PM in Evan's Basement	6-10 PM in Evan's Basement	4-10 PM in Evan's Basement

<u>Date</u>	<u>Lec #</u>	<u>Topic</u>	<u>Reading Stoker Chapter</u>	<u>HW Problems from Stoker Textbook</u>	<u>HW Problems from the Stoker Study Guide</u>
1/25 (F)	1	Intro to organic & Review of Chem 111	5.2-5.6 12.1-12.2	5.3, 5.5, 5.7, 5.19, 5.21 12.3, 14.1	5.2, 5.6, 5.9
1/28 (M)	2	Drawing & naming alkanes Constitutional isomers	12.2-12.9	12.9, 12.13 to 12.27 (only odd), 12.31, 12.35, 12.37	12.2-12.7
1/30 (W) <b>QUIZ 1</b> on lectures 1- 2	3	Classification of carbon atoms Naming branched substituents & cycloalkanes Survey of functional groups	12.10- 12.14	12.47, 12.49a-c 12.45 12.55, 12.57 12.59, 12.61  14.3	12.8, 12.9, 12.10, 12.11, 12.12
2/1 (F)	4	Nomenclature of functional groups	12.18 13.3, 13.10, 14.3, 14.16, 15.3, 15.4, 16.2, 17.3	12.77, 13.7, 13.11 13.45, 13.47, 14.9, 14.11 14.67 15.13, 15.15, 15.23, 15.27 16.5, 16.7, 17.9 a,b d,e	13.1, 13.2 13.11, 13.12 12.15, 14.1-14.3, 14.10- 14.12, 15.1-15.5, 16.1-16.2
2/4 (M)	5	Chemical & physical properties of alkanes Conformation of alkanes Overview of organic reactions	12.15- 12.17  9.4-9.5	12.65, 12.69, 12.73	Self test- Chap 12

2/6 (W) <b>QUIZ 2</b> on lectures 3- 5	6	Intro to alkenes Cis/Trans alkenes	13.1-13.7	13.1, 13.17, 13.19, 13.23, 13.27	13.4, 13.5
2/8 (F)	7	Reactions of alkenes & alkynes	13.8- 13.10	13.29, 13.31, 13.33, 13.35, 13.37, 13.39, 13.41	13.6 - 13.10, 13.13
2/11 (M)	8	Aromatics	13.11- 13.13	13.53, 13.55, 13.57, 13.59	13.14-13.16, 13.18
2/13 (W) <b>QUIZ 3</b> on lectures 6- 8	9	Chemistry of aromatics	13.14	13.63	13.17 Self test- chap 13
2/15 (F)	10	review		13.61	

**Exam I: Feb 20, 2008 (Wed)**