

## Chemistry 547 and 547H Organic Chemistry University of New Hampshire Fall 2011-2012

**Lecture:** MWF 11:10 - 12:00, Kingsbury Hall N113

**Instructor:** Professor Richard Johnson, 111 Parsons Hall richard.johnson.unh.edu

Phone 862-2302 Office Hours: to be announced after I have polled the class for the best times.

**Course website** [http://pubpages.unh.edu/~rpj/courseinfo/Chem\\_547](http://pubpages.unh.edu/~rpj/courseinfo/Chem_547)

**Textbook:** Organic Chemistry, 8th Edition, McGraw-Hill, 2011, by Francis A Carey, and Robert M. Giuliano. This is available at both local bookstores or is easily found online. Also recommended: *SpartanModel* computer program. I will send a link for this through Blackboard. Cost is \$25 for the download version. Most course information will be posted directly on the course webpage, but I will occasionally use Blackboard to post Powerpoints and send e\_mails. Chemistry and biochemistry majors should plan to keep their textbook after the class is over. You will find this an invaluable reference. Carey has written one of the best and most comprehensive books in this field.

**Honors Section 547H:** Exams and quizzes are the same. Students enrolled in the Honors section will be expected to meet at additional times and will have additional assignments to complete.

**Grading:** Three 100 pt hour examinations and a *comprehensive* 150 pt final examination. Quizzes (30 pts) will be given a week or two before each hour exam. Homework will count for approximately 10% of your final grade.

**Expect the Unexpected.** This might include occasional pop quizzes or worksheets in class.

**Homework:** You should work *all* the in-text problems. Recommended end of chapter problems will be assigned in class but not collected. Other graded homework assignments will be passed out occasionally in lecture.

**Help! Sessions:** Times will be announced in class. These are usually in the evenings from 7 – 8:30. Expect one for sure every Sunday evening before hour exams.

### Planned Schedule for the Semester

	Aug	29 <i>Hurricane Irene</i>		7	chpt 6		
		31 chpt 1				14	chpt 11
Sept		2 chpt 1		10	<i>no class!</i>	16	chpt 11
				11	chpt 6	19	chpt 11
		5 <i>no class!</i>		12	chpt 6 <b>Q2</b>		
		7 chpt 2		14	chpt 6 mid semester	21	<b>Exam 3</b>
		9 chpt 2				23	chpt 12
				17	chpt 7	25	<i>no class!</i>
		12 chpt 3		19	chpt 7		
		14 chpt 3		21	chpt 7	28	chpt 12
		16 chpt 3 <b>Q1</b>				30	chpt 12
				24	<b>Exam 2</b>	Dec 2	chpt 13
		19 chpt 4		26	chpt 8		
		21 chpt 4		28	chpt 8	5	chpt 13
		23 chpt 4				7	chpt 13
				31	chpt 8	9	review
		26 chpt 5	Nov	2	chpt 9		
		28 <b>Exam 1</b>		4	chpt 9		
		30 chpt 5					<b>Final Exam</b>
				7	chpt 10	<b>Thursday 12/15</b>	
Oct		3 chpt 5		9	chpt 10 <b>Q3</b>	<b>1 – 3 pm</b>	
		5 chpt 6		11	<i>no class!</i>		

**Classroom Participation:** I will sometimes pose questions to the class and call on students by name. Don't panic if you are called on.

**Inclement Weather Policy:** Class will be cancelled only if the university is officially closed or in the event of invasion by space aliens.

**Cellphones in Class:** Please shut these off during class. If your cellphone rings or you are texting during class, you owe the class candy! Please bring something tasty to the next class meeting.

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**How to Succeed in this Course:** *Don't panic.* Many students view this as a difficult course. A few helpful hints for success follow.

- Come to class and pay attention. You will find that class attendance and a good set of class notes are essential to success.
- Do the readings and homework regularly. Come to help sessions and office hours. Try to work a little each day, rather than leaving studying until the last moment. Learn the material in this 1247 page textbook one page at a time.
- Be an active learner. Do not emphasize memorization. If you firmly understand the fundamentals, then more advanced material will come much more easily. Much of what you will learn in this course will be outside the classroom when you sit down and figure things out for yourself. Test yourself with homework and old examinations.
- Read at least briefly through new chapters before coming to class. You will find that lectures will be far more helpful if you are familiar with new material before you see it presented in lecture. After class, read the chapters again.
- Do not fall behind. This is a fast-paced highly cumulative course. If you fall a chapter or two behind, you may never catch up. The beginning section is relatively simple but the course material becomes more challenging later on.
- Join or organize a study group. Many students find this highly effective.
- Portions of this course are highly three dimensional. You should build models regularly and use them to visualize structures and reactions.
- Make this course a high priority. Motivate yourself by recognizing the importance of organic chemistry in your chosen field. As you work through the course, try to learn about the myriad organic chemicals that influence your life.
- Use old exams as study aids. If you score poorly on a quiz or exam, print the key off the webpage, check what you did not understand and come in to see me for some help. Do NOT give up.
- Ask questions! During class, I will usually pause at strategic moments for questions.