

# CHEMISTRY 313

## Organic Chemistry I

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<u>Week</u>	<u>Text Chapter</u>		<u>Exam</u>
1	1	<b>Introduction, bonding and molecular structure</b>	
2	2	Functional groups; intermolecular forces	
3	2		
4	3	Acid and bases	
5	4	Alkanes: structure, nomenclature, conformational analysis	<b>Exam I</b>
6	4		
7	5	Stereochemistry	
8	5		
9	6	Nucleophilic substitution reactions	<b>Exam II</b>
10	6		
11	7	Alkenes/alkynes I: Properties, synthesis (elimination reactions)	
12	8	Alkenes/alkynes II: Addition reactions	<b>Exam III</b>
13	8		
14	11	Alcohols and ethers	
15			<b>Final Exam</b>

## Course Materials

<b>Text</b>	"Organic Chemistry, 12th Ed.", Solomons and Fryhle [you can buy/rent/access the first semester 1-volume GMU-custom bound version or the full-length publisher's text either in hard-copy [or electronically in WileyPLUS]
<b>Study Guide/Solutions Manual</b>	To accompany the text [included in WileyPLUS]
<b>Molecular Models</b>	Two brands available in the bookstore and many more at amazon.com – choose one set
<b>Workbook</b>	"Organic Chemistry as a Second Language", D. R. Klein (any edition)
<b>Scantrons</b>	four; Form No. 882-E or comparable

All course materials can be purchased at the GMU campus bookstore. None of these materials is required. However, you will probably be more successful in the course if you read and study the textbook, attend class and take notes in class, and take advantage of the other suggested resources as necessary to help you understand organic chemistry. You may choose to use an earlier edition of the textbook; however, I will not attempt to provide you with a list of changes to the text. All references to the text are for the current edition.

## Resources

This syllabus and all other information pertaining to the course (such as text sections to be read/omitted, text errors, suggested problems) appear on the course web page (accessed through <http://mason.gmu.edu/~sslayden>). *The on-line syllabus is the official syllabus for the course.*

Occasionally, announcements must be made to the entire class via e-mail. The e-mail will be sent to your GMU e-mail account.

Copies of exams and the answer keys from a previous semester are available on Blackboard. In the library are textbooks from which you can supplement your reading and problems. Other chemistry resources are available on the internet, some of which can be accessed through my Web site.

## Examinations and Grades

Course Grade: 4 Exams – three exams given during the semester; the fourth exam is given during final exam week. Each exam is graded as the percentage of questions you answered correctly. The highest grade possible is thus 100%. The four exam grades are counted equally and the average of the exams is your final numerical course grade.

Unexcused absence from an exam will result in an assigned grade of zero. If you are unable to attend an exam, you are expected to talk to me *before* the exam or as soon thereafter as possible. (E-mail and voice mail *do not* satisfy this requirement, although you may leave a message to alert me.) Documentation for your absence may be required before any consideration is given for taking a make-up exam, usually during the same week as the originally scheduled exam. Excuses for “last minute” occurrences that interfered with studying before the exam or that interfered with attending the exam will not be accepted. Allow enough time for commuting on exam days – no extra time will be allowed for tardiness, unless there was some catastrophe.

The course web site contains a page of **Instructions and Frequently Asked Questions** for taking exams in this course. Please read it.

If classes are canceled by the University on a scheduled exam day, the exam will be given at the next scheduled class period after classes resume. Hour exams will not be rescheduled (unless classes have been canceled for an extended period and I notify you). If I am absent for an exam, another Chemistry Department instructor will take my place. University Information is 703-993-1000.

### **Make-up Periods for Final Exams**

If the university is unexpectedly closed on an exam day, make-up times will be announced as soon as they are determined and will be posted on the [University-wide Class Cancellations](#) page. The last scheduled day of the final exam period is the scheduled make-up day. The Friday, Saturday, and Sunday during the final exam period are also potential make-up days. Students and faculty must be available for the make-up day(s).

**Final letter grades are determined after all numerical grades for all students are calculated at the end of the semester.** Letter grades are not assigned for individual exams. You may tentatively assume that your exam grade corresponds to a C if it is within *approximately*  $\pm 7$  points of the number that I define as mid-C for the exam (see the BlackBoard announcement after each exam). Generally, grades below ~40% are failing grades (F) and grades above 90% are excellent (A). When each exam is returned, the mid-C and the high and low grades will be announced on BlackBoard so that you can estimate your standing in the class. The mid-C at the end of the semester will be the average of the mid-C grades on the exams so you can estimate your final grade based on your on-going average. The class website link shows a typical grade distribution chart.

There are no extra credit assignments available for the course.

### **Disability Services**

If you are a student with a disability and you need academic accommodations, please see me after contacting the Disability Resource Center (DRC) at 703-993-2474. All arrangements for academic accommodations must be initiated through that office.

## **Honor Code**

It is the responsibility of all students to be familiar with the GMU Honor Code. All examinations are closed book, and the use of notes or other written material is not permitted. A periodic table will be provided with the exam. You may use, but not share, molecular models during any exam. You may not use or have in your immediate presence any electronic device.

## **Academic Policies**

The University Catalog is the source of information about all academic policies:

<http://catalog.gmu.edu/>