

## Course Syllabus

**Course title:** Organic Chemistry II (Chem 234)  
**Lectures:** MWF, 10:30 am--11:20 am  
Hodges Hall 252  
**Instructor:** Professor Xiaodong Michael Shi,  
**Office:** CRL 367  
**Office Hours:** WF 11:30 am-12:30 am  
Or by appointment through email, need one day in advance  
(Extra helping sections will be holding on Wednesday night before exams)  
**Email:** [Xiaodong.Shi@mail.wvu.edu](mailto:Xiaodong.Shi@mail.wvu.edu)  
**Phone:** 304-293-0179  
**Course Website:** <http://community.wvu.edu/~xs007/Courses.htm>

**Required Textbooks:**

“Organic Chemistry” by P. Y. Bruice (7<sup>th</sup> edition)  
“Solution Manual” by P. Y. Bruice

**Recommended References:**

Web based homework and exam support: “we-learn-horizon” and link is [www.welearnhorizon.com](http://www.welearnhorizon.com)  
For technical support, contact:  
Prof. John Penn at <http://www.as.wvu.edu/~jpenn>

**Suggested Study Aids:** “Darling Models” (Available from ACS Student Affiliates)

**Grading and Examinations:**

The final course grading included four parts: In-class Quizzes, Exams, Mid-term exam, Final-exam.

**Quizzes:** five in-class quizzes (15 points each, 75 points total)  
**Exams:** two exams (100 points each, 200 total points)  
**Mid-term exams:** one mid-term exam (200 points)  
**Final exam:** one course final exam (225 points)

Total points:	700	
Grading standard:	A	>590
	B	520--589
	C	450--519
	D	380--449
	F	<380

**Problem Sets:** Problems from the book will be assigned. Answer key will be provided on the web. These problem sets are critical; if you do not master the material on the problem sets, you will not perform well on the exams. One problem on each examination will be taken directly from the problem sets. The problem sets will **not** be graded.

**Important timeline:**

1-8	Class started
1-15	Quiz #1
2-13*	Exam I (Thursday, 6:30 pm to 9:30 pm, CLK 408)
2-21	Quiz #2
2-28*	Mid-term (Thursday, 6:30 pm to 9:30 pm, CLK 408)
3-7	Quiz #3
3-7	Last day to drop the class with a "W"
3-10 to 3-14	Spring break, no class
3-28	Quiz #4
4-10*	Exam II (Thursday, 6:30 pm to 9:30 pm, CLK 408)
4-18	Quiz #5
5-7*	Final exam (Tuesday, 7:30 am to 10:30 am, CLK 408)

\* The exam date and time may change based on the room availability.

**Laboratory:** The laboratory **Check-in** will be held during the **Second** week of classes. *If you do not show up for your laboratory during the second week you will be administratively dropped from the class and your place will be given to someone else* (e.g. someone who actually showed up).

Check-in policy for the laboratory will be rigidly enforced. Laboratory space will be assigned first to students who are pre-registered for the course. If no space is available for those who have not pre-registered for the course, withdraw from the lecture course will have to be made, because the laboratory is a required co-requisite.

**Policy on Exams:** Exams will cover all of the material from the beginning of the course, with emphasis on material since the previous exam. *All examinations must be taken at the times indicated above. Absolutely no make-up exams will be given.* Only university approved absence from the exam will be accepted. University approved absence missed exam will be made-up by applying the percentage received on the final exam for the missing exam.

**Policy on Exam Regarding:** It is expected that some mistakes will be made in grading the exams. It is your responsibility to identify any errors in grading and make a written-request to me for a regrade. If you would like your exam to be regarded, you must turn in your exam to me *within one week of the exam date* along with a written explanation as to why you think the exam needs to be regarded (this includes errors of addition). Exam submitted without written explanation will not be regarded. To insure against cheating in class exam will be photocopied and used for comparative purposes during regarding.

**Policy on I Grades:** An I grade will be assigned only when a prior arrangement has been made with the instructor. It will only be considered when the final exam is not taken and when work completed to that date is satisfactory. If the final exam is not taken and work completed prior to that date is unsatisfactory an F or N will be given, depending in the grading system the course was taken (A-F or P/N). *An "Agreement for Making-up an I Grade" form must be completed and signed by the instructor, student and turned in within 48 hours after the final exam.*

**Issues of Disability:** I stand ready to make reasonable accommodations, in accordance with the ADA (American Disability Act), for students with various kinds of disability, visible and invisible. I request that you see me during the ***first week of classes*** if this applies to you so that such accommodations may be made in a timely fashion. *You will need to present me with a letter from the Office of Disability Services.*

**Classroom Diversity:** You are expected to attend each lecture, be attentive during class and participate in class discussions (please feel free to ask questions if you do not understand something in lecture). You are also expected to listen respectfully to other students and me when we are speaking. *To show this respect, I recommend that you turn off your cell phone. Racism, sexism, homophobia, classism, ageism, and other forms of bigotry are inappropriate to express in lecture.*

**Policy on Scholastic Dishonesty:** Academic dishonesty of any kind will not be accepted in this course and will result in a grade of F on the exam or possibly harsher penalties. Academic dishonesty is defined as: submission of false records of academic achievement; cheating on assignments or examinations; plagiarizing; altering, forging, or misusing a University academic record; taking, acquiring, or using test materials without my permission; acting alone or in cooperation with another to falsify records or to obtain dishonest grades, honors awards or professional endorsement. All students must have ID cards readily available during the examination. Failure to follow these rules can result in a grade of F on the exam or possibly harsher penalties. It is worth noting that random in class exam will be photocopied and used for comparative purposes during regarding. Altered exams that are presented as original work fall under academic dishonesty.

**Tentative Schedule of Lectures and Examinations:**

<u>Week of</u>	<u>Material</u>	<u>Reading</u>
January 8, 13	Course preparation and O-Chem I review	Ch. 1-13
January 20, 27	Carbonyl compound	Ch. 16
February 3	Ketone/Aldehyde	Ch. 17
February 10,17	Chemistry on $\alpha$ -carbon	Ch. 18
February 24	Benzene and aromatic	Ch. 19
March 3	Electrophilic aromatic substitution	Ch. 19
March 17	Amine	Ch. 20
March 24, 31	Pericyclic Reactions	Ch. 28
April 2, 7	IR, UV, NMR, MS	Ch. 14-15
April 14	Bio-organic	Ch. 21,22,26
April 21	Overview	Ch. 27-29