

Organic Chemistry III

Course Ref. No. 60488
MWF 9:00 - 10:05 am
Hoffmann Hall

Professor Carl C. Wamser
Office: Science Bldg 1, Room 327A
Office Hours: Mon - Fri, 10:30 - 11:30 am

Textbook (required): *Organic Chemistry*, 5th ed., by F. A. Carey, with the Student Solutions Manual. Optional in the PSU Bookstore are four different kinds of molecular model kits.

Online Resources: Most of the elements of this course will be accessible through the home page at <http://chem.pdx.edu/~wamserc/C336S05/>. In addition, some aspects of the course will use WebCT (also accessible from the course home page). Internet connections are available from the Chemistry Commons (SB1-221), from numerous PSU computer labs, or from home if you have an internet connection. The Chemistry Commons is staffed with chemistry graduate students who serve as tutors.

E-Mail: WebCT has a Discussion List feature that will allow students to post messages. You may use this like open office hours to communicate with me, or use it to communicate general information to other class members. I can also be reached through my personal e-mail address (WamserC@pdx.edu).

Class Schedule: During the spring term, we will cover Chapters 17-27 from the text, following the schedule on the back. You should read the chapter in the text before it is covered in lecture. There will be homework assignments for each chapter but they will not be collected. By doing the homework in advance, you will be prepared for the in-class exercises, quizzes, and exams.

Quizzes: For each chapter, there will be **two** quizzes. The first will be a brief (5 point) **pre-quiz** done in WebCT within a specific time frame. For example, Pre-Quiz 17 will be available on WebCT only from Monday, 3/28, to Wed, 3/30, at 8:30 am. Pre-quizzes are designed to alert you to the main points in the chapter and to encourage your reading the chapter before the lecture coverage. The **chapter quiz** will be a 10-minute (10 point) quiz given at the beginning of a class, with some time allowed for going over any questions before the quiz. Quiz and pre-quiz points are on the same scale as exam points. The lowest scores of the ten quizzes and the ten pre-quizzes will be dropped. There will be no make-up quizzes or pre-quizzes.

Exams: There will be three midterm exams, worth 100 points each, and a final exam, worth 200 points, given in class as indicated on the schedule. Missing an exam will require a written medical excuse, in which case an appropriate fraction of the final exam score will replace the missed exam. There will be no make-up exams.

Extra Credit - E-Mail Molecules: Students are assigned a set of nine organic compounds to investigate, with information returned weekly via WebCT. Each molecule returned correctly will be worth 2 points extra credit, up to 18 points total. Instructions are on the class web page.

Grading: The final course grade will be determined by total points accumulated. The maximum is 635, based on the sum of exams (500) plus quizzes (135), as outlined above. Extra credit adds to your total. Over the years, I have found that letter grades nearly always fall into the following distributions:

A/B borderline (85%), B/C (70%), C/D (55%), to pass the course (over 40%).

How to Succeed in This Course: 1) Clarify for yourself what you want/need to get out of this course, 2) participate actively in all course activities, 3) practice solving problems and developing appropriate skills, 4) use the technology and other learning resources that are made available, 5) reflect on what does and doesn't work for you in learning this material, and ask for help. These themes are elaborated in the "Day One" lecture on goals and expectations.

Miscellaneous: University policy will be strictly followed with respect to course withdrawal, academic honesty, and related subjects. Please ask the instructor or consult the latest PSU Bulletin if you have any questions.

<u>Date</u>	<u>WebCT</u>	<u>Class Schedule</u>	
		<u>Classwork</u>	
Mon, Mar 28			Chap 17 - Aldehydes and Ketones
Wed, Mar 30	Pre-Quiz 17		Chap 17
Fri, Apr 1			Chap 17
Mon, Apr 4	Pre-Quiz 18		Chap 18 - Enols and Enolates
Wed, Apr 6		Quiz 17	Chap 18
Fri, Apr 8	Pre-Quiz 19		Chap 19 - Carboxylic Acids
Mon, Apr 11		Quiz 18	Chap 19
Wed, Apr 13	Pre-Quiz 20		Chap 20 - Carboxyl Derivatives
Fri, Apr 15		Quiz 19	Chap 20
Mon, Apr 18	Pre-Quiz 21		Chap 20
Wed, Apr 20		Quiz 20	Chap 21 - Ester Enolates
Fri, Apr 22		EXAM 1, Chapters 17 - 20	
Mon, Apr 25			Chap 21
Wed, Apr 27	Pre-Quiz 22		Chap 22 - Amines
Fri, Apr 29		Quiz 21	Chap 22
Mon, May 2	Pre-Quiz 23-24		Chap 22
Wed, May 4		Quiz 22	Chap 23 - Aryl Halides
Fri, May 6	Pre-Quiz 25		Chap 24 - Phenols
Mon, May 9		Quiz 23-24	Chap 25 - Carbohydrates
Wed, May 11		Exam 2, Chapters 21 - 24	
Fri, May 13			Chap 25
Mon, May 16	Pre-Quiz 26		Chap 25
Wed, May 18		Quiz 25	Chap 26 - Lipids
Fri, May 20			Chap 26
Mon, May 23	Pre-Quiz 27		Chap 27 - Amino Acids and Proteins
Wed, May 25		Quiz 26	Chap 27
Fri, May 27		Quiz 27	Chap 28 - Nucleic Acids
<i>Mon, May 30</i>	<i>Holiday</i>		
Wed, June 1		Exam 3, Chapters 25 - 27	
Fri, June 3			Chap 28, Review

Pre-quizzes are available on the class website until 8:30 am on the day indicated above.

Quizzes are given at the beginning of the class period indicated above.

Exams are given for the full 65 minutes of the class period indicated.

FINAL EXAM: ACS Standardized Exam (cumulative), Tuesday, June 7, 8:00 - 9:50 am