

Organic Chemistry III

Course Ref. No. 60607
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*, 8th ed., by F. A. Carey, with the Student Solutions Manual. Optional in the PSU Bookstore are various molecular model kits.

Online Resources: Most of the elements of this course will be accessible through the home page at <http://web.pdx.edu/~wamserc/C336S12/>. In addition, some aspects of the course will use D2L or Sapling Learning (also accessible from the course home page). The Chemistry Commons (SB1-221) has internet connections and is staffed with chemistry graduate students who serve as tutors.

E-Mail: D2L 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 19-27 from the text, following the schedule on the back.

Quizzes and Homework: For each chapter (except Chapter 27), there will be two quizzes and one online homework assignment. The **pre-quiz** (5 points) is done in D2L within a specific time frame. For example, Pre-Quiz 19 will be available on D2L only from Monday, Apr 2, to Wed, Apr 4, at 8:30 am. Pre-quizzes alert you to the main points in the chapter and encourage your reading the chapter before the lecture coverage. The **chapter quiz** (10 points) will be given at the beginning of a class, with some time allowed for going over any questions before the quiz. **Online homework** (5 points) will be done using Sapling Learning. Instructions are on the class web page. Homework will be due at 8:30 am on the day a quiz for that chapter is given. Quiz, pre-quiz, and homework points are on the same scale as exam points. The lowest scores of the eight quizzes, pre-quizzes, and homeworks will be dropped. There will be no make-up quizzes or pre-quizzes nor late homework accepted.

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 D2L. 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 640, based on the sum of exams (500) plus pre-quizzes, quizzes, and online homework (140), as outlined above. Extra credit adds to your total, which is calculated as a percentage of 660. Letter grades are assigned using the following guidelines:

A-/B+ borderline (85%), B-/C+ (70%), C-/D (55%), to pass the course requires 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.

Class Schedule

<u>Date</u>	<u>D2L</u>	<u>Classwork</u>
Mon, Apr 2		Chap 19 – Carboxyl Derivatives
Wed, Apr 4	Pre-Quiz 19	Chap 19
Fri, Apr 6		Chap 19
Mon, Apr 9	Pre-Quiz 20	Chap 19
Wed, Apr 11		Quiz 19 Chap 20 – Enols and Enolates
Fri, Apr 13		Chap 20
Mon, Apr 16		Chap 20
Wed, Apr 18	Pre-Quiz 21	Chap 20
Fri, Apr 20		Quiz 20 Chap 21 - Amines
Mon, Apr 23		EXAM 1, Chapters 19 - 20
Wed, Apr 25		Chap 21
Fri, Apr 27		Chap 21
Mon, Apr 30	Pre-Quiz 22	Chap 21
Wed, May 2		Quiz 21 Chap 22 - Phenols
Fri, May 4	Pre-Quiz 23	Chap 23 - Carbohydrates
Mon, May 7		Quiz 22 Chap 23
Wed, May 9		Chap 23
Fri, May 11	Pre-Quiz 24	Chap 24 - Lipids
Mon, May 14		Quiz 23 Chap 24
Wed, May 16		Exam 2, Chapters 21 - 23
Fri, May 18		Chap 24
Mon, May 21	Pre-Quiz 25	Chap 25 - Amino Acids and Proteins
Wed, May 23		Quiz 24 Chap 25
Fri, May 25		Chap 25
<i>Mon, May 28</i>	<i>Holiday</i>	
Wed, May 30	Pre-Quiz 26	Chap 26 - Nucleic Acids
Fri, June 1		Quiz 25 Chap 26
Mon, June 4		Quiz 26 Chap 27 - Synthetic Polymers
Wed, June 6		Exam 3, Chapters 24 - 26
Fri, June 8		Chap 27, 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.

Online homework assignments are due at 8:30 am the same day as the corresponding quiz.

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

FINAL EXAM: ACS Standardized Exam (cumulative), Tuesday, June 12, 8:00 - 9:50 am