

Organic Chemistry II

Course Ref. No. 40650
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 and key for ARIS online homework. 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://chem.pdx.edu/~wamserc/C335W12/>. In addition, some aspects of the course will use D2L or ARIS (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 fall term, we will cover Chapters 10-18 from the text, following the schedule on the back.

Quizzes and Homework: For each chapter, 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 10 will be available on D2L only from Monday, Jan 9, to Wed, Jan 11, 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 the ARIS program that is coordinated with your textbook. Instructions are on the class web page. Quiz, pre-quiz, and homework points are on the same scale as exam points. The lowest scores of the nine 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 660, based on the sum of exams (500) plus pre-quizzes, quizzes, and ARIS homework (160), 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>	
M, 1/9		Introduction	Chap 10 - Conjugation
W, 1/11	Pre-Quiz 10		Chap 10
F, 1/13			Chap 10
M, 1/16		<i>Holiday</i>	
W, 1/18	Pre-Quiz 11		Chap 11 - Aromaticity
F, 1/20	ARIS 10	Quiz 10	Chap 11
M, 1/23	Pre-Quiz 12		Chap 12 - Aromatic Substitution
W, 1/25	ARIS 11	Quiz 11	Chap 12
F, 1/27			Chap 12
M, 1/30	Pre-Quiz 13		Chap 13 - Spectroscopy
W, 2/1	ARIS 12	Quiz 12	Chap 13
Fri, Feb 3		Exam 1, Chapters 10 - 12	
M, 2/6			Chap 13
W, 2/8			Chap 13
F, 2/10	Pre-Quiz 14		Chap 14 - Organometallics
M, 2/13	ARIS 13	Quiz 13	Chap 14
W, 2/15	Pre-Quiz 15		Chap 15 - Alcohols
F, 2/17	ARIS 14	Quiz 14	Chap 15
M, 2/20	Pre-Quiz 16		Chap 16 - Ethers
W, 2/22	ARIS 15	Quiz 15	Chap 16
F, 2/24			Chap 16
Mon, Feb 27		Exam 2, Chapters 13 - 15	
W, 2/29	Pre-Quiz 17		Chap 17 - Carbonyl Compounds
F, 3/2	ARIS 16	Quiz 16	Chap 17
M, 3/5			Chap 17
W, 3/7	Pre-Quiz 18		Chap 18 - Carboxylic Acids
F, 3/9	ARIS 17	Quiz 17	Chap 18
M, 3/12	ARIS 18	Quiz 18	Chap 18
Wed, Mar 14		Exam 3, Chapters 16 - 18	
F, 3/16			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.

ARIS online homework is due at 8:30 am on the same day as the corresponding quiz.

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

FINAL EXAM: Chapters 10 - 18, Tuesday, March 20, 8:00 - 9:50 am