

# Chemistry 331

## *Organic Chemistry*

### Fall, 2005, Syllabus

**Instructor:** Dr. Bernhard Vogler

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Office Hours: Tuesday, 11.00-1.00, Thursday, 1:00-2:30, MSB 321

**Textbook:** Bruice, "Organic Chemistry", 4th Ed. Prentice Hall, New Jersey

**Recommended:** Study Guide for Bruice, "Organic Chemistry". Darling molecular model kit

**Goal:** Introduce the students to a basic understanding of Organic Chemistry. The student will be able to learn the basic chemical reactions like substitution, elimination, radical reactions, and will get a first idea about structures of organic molecules.

**Examinations:** There will be three one-hour examinations throughout the term worth **100 points each** and the **FINAL EXAM worth 200 points**. The examinations will be based upon class lectures, textbook reading, homework problems. There will be no make-up, early, or late exams.

**Grading:** Grades will be based on your performance on the four exams. There is a maximum of **500 points** possible. Grades will be assigned based upon the following breakdown:

>425	A;
350-424,	B;
275-349,	C;
200-274,	D;
<200,	F.

**Homework Problems:** Use problems found at the end of each chapter as homework problems. A large number of the problems have answers in the back of the text, but feel free to look over other problems and bring them up for discussion.

**Misconduct:** Cheating on examinations will not be tolerated. Anyone found cheating (copying another exam, asking others for answers, or using notes or textbooks during an exam) will be asked to leave and will receive an "F" for the course. To avoid any doubts during exams, please do not talk with others and do not look at other exams.

**Advice:** Organic chemistry is a labor intensive course. To do well involves much time and effort. It will be to your advantage to come to all of the lectures (and to come to all of the lectures prepared to cover the material at hand, to ask questions, and to go over problems), to read (and re-read, if necessary,) the text book, to work all of the homework problems, and not to fall behind. If you find yourself not grasping the material sufficiently, please get help immediately. Office hours are available and I encourage you to come and get help, discuss problems (chemical, personal, whatever), or just shoot the bull.

**Complaint Procedure:** If you have difficulties or complaints related to this course, your first action usually should be to discuss them with me. If such a discussion would be uncomfortable for you or fails to resolve your difficulties, you should contact Professor Setzer, Chair of the Department of Chemistry. Professor Setzer's office is MSB 203-C. His telephone number is 824-6028. If you still are unsatisfied, you should discuss the matter with Dr. Rochowiak, Associate Dean of the College of Science. Dean Rochowiak's office is C207 Materials Science Building.

**Students with Disabilities:** I would like to hear from anyone who has a disability that may require a modification of seating, testing, or other class procedures. Please see me after class or during my office hours to discuss appropriate modifications.

# Chemistry 331

## Fall Semester, 2005

### Tentative Schedule

Wednesday	August 24	Introduction
Monday	August 29	Lecture – Structure & Bonding (Bruice, Chapter 1)
Wednesday	August 31	Lecture – Structure & Bonding (Bruice, Chapter 1)
Monday	September 5	LABOR DAY – NO CLASS
Wednesday	September 7	Lecture – Organic Compounds (Bruice, Chapter 2)
Monday	September 12	Lecture – Organic Compounds (Bruice, Chapter 2)
Wednesday	September 14	Lecture – Organic Compounds (Bruice, Chapter 2)
Monday	September 19	Lecture – Alkenes (Bruice, Chapter 3)
Wednesday	September 21	Lecture – Alkenes (Bruice, Chapter 3)
Monday	September 26	Lecture – Alkenes (Bruice, Chapter 4)
<b>Wednesday</b>	<b>September 28</b>	<b>EXAM ONE (Chapters 1-4) 100 points</b>
Monday	October 3	Lecture – Stereochemistry (Bruice, Chapter 5)
Wednesday	October 5	Lecture – Stereochemistry (Bruice, Chapter 5)
Monday	October 10	Lecture – Stereochemistry (Bruice, Chapter 5)
Wednesday	October 12	Lecture – Alkynes (Bruice, Chapter 6)
Monday	October 17	Lecture – Delocalization & Aromaticity (Bruice, Chapter 7)
Wednesday	October 19	Lecture – Dienes (Bruice, Chapter 8)
<b>Monday</b>	<b>October 24</b>	<b>EXAM TWO (Chapters 1-8, emphasis on 5-8 ) 100 points</b>
Wednesday	October 26	Lecture – Alkanes & Radicals (Bruice, Chapter 9)
Monday	October 31	Lecture – Substitution (Bruice, Chapter 10)
Wednesday	November 2	Lecture – Substitution (Bruice, Chapter 10)
Monday	November 7	Lecture – Elimination (Bruice, Chapter 11)
Wednesday	November 9	Lecture – Elimination (Bruice, Chapter 11)
Monday	November 14	Lecture – Alcohols, Ethers, Epoxides (Bruice, Chapter 12)
<b>Wednesday</b>	<b>November 16</b>	<b>EXAM THREE (Chapters 1-12, emphasis on 9-12) 100 points</b>
Monday	November 21	Lecture – MS & IR (Bruice, Chapter 13)
Wednesday	November 24	THANKSGIVING – NO CLASS
Monday	November 28	Lecture – MS & IR (Bruice, Chapter 13)
Wednesday	November 30	Lecture – NMR (Bruice, Chapter 14)
Monday	December 3	Lecture – NMR (Bruice, Chapter 14)
Wednesday	December 5	Lecture – NMR (Bruice, Chapter 14)
	<b>Dec 14</b>	<b>FINAL EXAMINATION (Chapters 1-14) 200 points</b>
	<b>3pm – 5.30pm</b>	

\*Note: Friday, October 21, is the last day to drop.

## *CH 331 Student Questionnaire*

Name which you prefer to be called (please print; include last name):

\_\_\_\_\_

E-Mail Address:

\_\_\_\_\_

Major (or anticipated major):

\_\_\_\_\_

Minor (or anticipated minor):

\_\_\_\_\_

Career Plans (if known):

\_\_\_\_\_

Hobbies or other activities of interest:

Identifiable physical or personality traits (things unique and particular to you):

Why are you taking CH 331, *Organic Chemistry*? (Check all that may apply)

\_\_\_\_\_ It looks like intellectually stimulating entertainment.

\_\_\_\_\_ I need it to get into medical (or other professional) school.

\_\_\_\_\_ It is required for my major/minor.

\_\_\_\_\_ Other: \_\_\_\_\_

# WebCT Log in

## Fall 2005

### WebCT ID and Password

To login to a WebCT course, you will need two pieces of information: a WebCT ID (or user name) and a password. Your **WebCT ID** is the first part of your UAH e-mail address, the part before the "@" symbol. Your initial **WebCT password** is the last four digits of your social security number. For example, if John Doe's UAH e-mail address is **doejohn**@email.uah.edu and his student number is 555-77-**9999**, he would have the following WebCT ID and password:

WebCT ID: doejohn

Password: 9999

If you do not know what your UAH e-mail address is, try one or more of the following:

- Go to the student registration website at <http://register.uah.edu> and then login to Student Services. Under Personal Information, click View E-mail Addresses to find your UAH e-mail address.
- Search for your e-mail address via the [UAH directory search](#).
- Search for your e-mail address at <http://www.uah.edu/email.html>.
- Ask your instructor.
- If you are still unable to determine your UAH e-mail address, contact the Information Services help desk at 824-HELP or Charger Central at 824-7777. Neither the help desk nor Charger Central provide support for WebCT, so only ask for your UAH e-mail address.

### Logging in to WebCT

Once you have your WebCT ID and password, you are ready to login to WebCT.

1. Start your web browser (see next section for web browser information) and go to <http://classweb.uah.edu>
2. Click the WebCT logo or the *Login to WebCT* link.>
3. Enter your WebCT ID and password and click **Log in**.
4. The first time you login to WebCT, you will be prompted to enter a password hint question and answer. By providing this information, you will be able to have WebCT reset your password should you forget it. As you enter this information, be sure to enter a valid e-mail address. It does not have to be your UAH e-mail address. However, if you enter your UAH e-mail address, be sure to enter the full address in this format: *userid@email.uah.edu*. (Do not use *userid@webmail.uah.edu*; this is not a valid address format.)
5. After logging in, you will see the **myWebCT page**. You may wish to change your password by clicking the *Change Password* link. To access a course, click on the course title that you want to enter (under Courses). You may notice that if you have multiple courses that use WebCT, they all show up here on the *myWebCT* page.

Note: You may log out of WebCT from the *myWebCT* page or from within any course. Just click the Log Out link in the upper right-hand corner of the window.

### WebCT Technical Requirements

Since you will access WebCT over the World Wide Web, your computer must be able to connect to the Internet. While most popular web browsers will work, you may encounter problems if you are not using a WebCT-approved browser. For more information about setting up your web browser for use with WebCT, go to <http://www.webct.com/tuneup>

## WebCT Troubleshooting

- ✓ If you receive the Error: Authorization Required error message, check the following:
  - make sure you are entering the correct WebCT ID and password
  - make sure that you enter the WebCT ID in all lower case letters
  - if you have changed your password, make sure that you enter it exactly as you typed it in when you changed it
  - if you are using the numeric keypad to enter the password, make sure that the NumLock is on
  - if you have forgotten your password, use the WebCT Password Reset System
  - if the WebCT Password Reset System does not work, contact your instructor so that he or she can reset your password manually
  - if none of the above solves your problem, contact the WebCT administrator at [webct@classweb.uah.edu](mailto:webct@classweb.uah.edu); include the following information in your message:
    - your full name
    - the email address to which you wish to receive a reply
    - your course prefix and number
    - your instructor's name and email address
    - the user name and password you are attempting to use
    - steps you have already taken to resolve the problem or any other information that may be relevant
  
- ✓ If you get a blank page when you try to login to WebCT:
  - It is possible that the server is temporarily unavailable. Try refreshing (or reloading) the page in your web browser (look in the View menu).
  - It is also possible that you are behind a firewall that does not recognize port 3500. WebCT runs on port 3500 and your firewall must allow traffic to and from that port. If you are at a business/school/government location, this is likely the cause of the problem. Contact your network administrator to report the issue and inquire about opening traffic to port 3500.
  
- ✓ If you do not see any courses listed on your my WebCT page:
  - contact your instructor to make sure he/she has added your name to the course
  - if you are a new student who has registered late, it may take a couple of days to get your e-mail account set up, which delays the set up of your WebCT account; in this case, your instructor should contact the WebCT administrator

For other information regarding WebCT, look at Student Support (<http://classweb.uah.edu/student/index.htm>)