



Sample Course Syllabus

CH 337 Organic Chemistry

Note to prospective students: This syllabus is intended to provide students who are considering taking this course an idea of what they will be learning. A more detailed syllabus will be available on the course Blackboard site for enrolled students and may be more current than this sample syllabus.

Before enrolling please read this website

<http://chemistry.oregonstate.edu/courses/ch331-7/ch331-7W/online-organic-chemistry-info.html>

Before purchasing textbooks please read this website

<http://www.chemistry.oregonstate.edu/courses/ch331-7/ch337/CH%20337.html>

Instructor Dr. Jeffrey Walker
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Prerequisites CH 331 and CH 332 (or CH 334, CH 335 and CH 336) and one year of college general chemistry

Prerequisite overrides The chemistry department asks that all prospective students, both degree-seeking and non-degree seeking students, provide documentation verifying completion of the course prerequisites. Instructions for submitting documentation are found at <http://www.chemistry.oregonstate.edu/courses/ch331-7/ch331-7W/online-organic-chemistry-info.html>.

Textbook and Related Items

Sixth edition of *Organic Chemistry* by Bruice (Required)
 Sixth edition of *Organic Chemistry: Study Guide and Solutions Manual* by Bruice (Required)
 Third edition of *Techniques in Organic Chemistry* by Mohrig, Hammond and Schatz (Required)
 A molecular model set (Required)
 A 100 page bound notebook (available from most office supply stores) (Required)
 Lab coat and safety goggles (available for purchase on Monday July 9) (Required)
 If you purchase course materials from sources other than the OSU Bookstore please be careful to obtain the correct ISBN.

Services for Students with Disabilities

Accommodations are collaborative efforts between students, faculty and [Disability Access Services \(DAS\)](#). Students with accommodations approved through DAS are responsible for contacting the faculty member in charge of the course prior to or during the first week of the term to discuss accommodations. Students who believe they are eligible for accommodations but who have not yet obtained approval through DAS should contact DAS immediately at 541-737-4098.

Grading

Safety test (1%)
 Prelabs (1%)
 Notebooks (4%)
 Lab reports (34%)
 Quizzes (20%)
 Midterm Exam (20%)
 Final Exam (20%)

Examinations

Students will take a midterm examination (in week 4) and a comprehensive final examination (towards the end of week 6) both under the supervision of an approved proctor. Proctoring guidelines and registration for proctored examinations are available online through the Ecampus testing and proctoring website. It is important to submit your proctoring request as early as possible to avoid delays.

Experiments

Isolation of trimyristin from nutmeg
 Synthesis of salicylic acid
 Simple distillation of a methanol/water mixture
 Fractional distillation of a methanol/water mixture
 Synthesis of *E,E*-dibenzalacetone
 Synthesis of benzoic acid
 Isolation of lactose from nonfat milk
 Isolation of greenleaf pigments from spinach
 Dehydration of 2-butanol
 Dehydrohalogenation of 2-bromobutane

Cutoffs for grades are: A (90%), A- (86.7%), B+ (83.4%), B (80%), B- (76.7%), C+ (73.4%), C (70%), C- (66.7%), D+ (63.4%), D (60%), D- (56.7%), F (<56.7%)

Tentative Schedule of Topics

Weeks 1, 2	Online	Laboratory techniques that will be used during the practical laboratory component
Weeks 3, 4	On-campus	Practical laboratory component
Weeks 5, 6	Online	Chemistry at the α -carbon of aldehydes, ketones and esters; amines and amides; amino acids, peptides and proteins; radical chemistry

Plagiarism You are expected to submit your own work in all your assignments, postings to the discussion board, and other communications, and to clearly give credit to the work of others when you use it. Academic dishonesty will result in a grade of "F." Link to Statement of Expectations for Student Conduct: <http://oregonstate.edu/studentconduct/regulations/index.php#acdis>.

Course evaluation We encourage you to engage in the course evaluation process each term – online, of course. The evaluation form will be available toward the end of each term, and you will be sent instructions by Ecampus. You will login to "Student Online Services" to respond to the online questionnaire. The results on the form are anonymous and are not tabulated until after grades are posted.

Certain medical conditions may limit your full participation in the experimental components of this class. Students with conditions that could be negatively influenced by exposure to any of the materials used in the class should contact the instructor as soon as possible to discuss their options. Appropriate accommodations will be made on an individual case by case basis, and where deemed necessary, in consultation with a health care provider.