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/GH%20337.html

Instructor: Dr. Jeffrey Walker
Contact: Jeffrey.Walker@oregonstate.edu
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)
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%)  Examinations
Pre labs (1%)  Students will take a midterm examination
Note books (4%)  (in week 4) and a comprehensive final
Lab reports (34%)  examination (towards the end of week 6)
Quizzes (20%)  both under the supervision of an approved
Midterm Exam (20%)  proctor. Proctoring guidelines and
Final Exam (20%)  registration for proctored examinations are
available online through the Ecampus
testing and proctoring website. It is
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 \(\alpha\)-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#acdiss.

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.