OSUEXTENDEDCAMPUS Oregon State University

Sample Course Syllabus

CH 337 SUMMER 2009

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. In mid-June a more detailed syllabus will be available on the course Blackboard site for enrolled students and may be more current than this sample syllabus.*

Instructor	Dr. Jeffrey Walker
Contact	Jeffrey.Walker@oregonstate.edu or 541.737.6762
Prerequisites	CH 121, CH 122, CH 123 or CH 221, CH 222, CH 223 or one year of college general chemistry CH 331, CH 332 or CH 334, CH 335, CH 336

Textbook and Related Items
Organic Chemistry by Bruice (fourth or fifth edition)
Organic Chemistry: Study Guide and Solutions Manual by Bruice (fourth or fifth edition)
Techniques in Organic Chemistry by Mohrig, Hammond and Schatz (second edition)
Safety Goggles (available for purchase during lab checkin)
Bound laboratory notebook with 50 duplicate sets

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.

General comments
This is the third and final course in the sequence for pre-professional students (medicine, dentistry, optometry, pharmacy and other health professions), chemical engineering students and those students, not majoring in chemistry, who require a year of organic chemistry.

The course is divided into fourteen units and blends online and on-site deliveries of course content. Units one through ten are devoted to the chemistry and techniques that will be encountered in the practical component of the course during the on-site visit. The final four units deal with: radical chemistry; chemistry at the α-carbon of aldehydes, ketones and esters; amines and amides; amino acids, peptides and proteins.

Online component
Weeks one to four and seven to ten are completed online.

On-site component
Weeks five and six comprise the on-site, laboratory component.

Tentative List of Topics
Unit 1 Isolation of trimyristin from nutmeg
Unit 2 Synthesis of salicylic acid
Unit 3 Distillation of a methanol/water mixture
Unit 4 Isolation of cuminaldehyde from cumin seeds
Unit 5 Synthesis of *E,E*-dibenzalacetone
Unit 6 Synthesis of benzoic acid
Unit 7 Isolation of lactose from non-fat milk
Unit 8 Isolation of green-leaf pigments from spinach
Unit 9 Dehydration of 2-butanol
Unit 10 Dehydrohalogenation of 2-bromobutane
Unit 11 Chemistry at the α-carbon of aldehydes, ketones and esters
Unit 12 Radical chemistry
Unit 13 Amines and amides
Unit 14 Amino acids, peptides and proteins

Tentative Schedule of Topics

Week	Unit(s)	Delivery Mode
1	1, 2	Online
2	3, 4, 5	Online
3	6, 7, 8	Online
4	9, 10	Online
5	Laboratory components of Units 2, 3, 4, 5	On-site
6	Laboratory components of Units 6, 7, 8, 9, 10	On-site
7	11	Online
8	11, 12	Online
9	13, 14	Online
10	14, 15	Online

Laboratory reports
Students will prepare and submit laboratory reports during the on-site component of the course.

Online quizzes
Students will take quizzes through the course Blackboard site.

Midterm Examination
Students will take a midterm examination during the on-site component of the course.

Final Examination
Students will take a comprehensive final examination 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.

Grading

Category	Laboratory Component	Special Topics Component
Laboratory safety test	1%	
Prelab assignments	1%	
Laboratory notebook	2%	
Satisfactory formal report for Unit 2	2%	
Unsatisfactory formal report for Unit 2	0%	
Satisfactory formal report for Unit 5	4%	
Unsatisfactory formal report for Unit 5	0%	
Laboratory reports	39%	
Online quizzes		15%
*Midterm Examination (Thursday July 30, 2009)	9%	9%
Final Examination (Thursday September 3, 2009)	9%	9%
SUBTOTALS	**67%**	**33%**
TOTAL	**100%**	

Approximate 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%)

Your final exam grade will replace your midterm exam grade if your final exam grade is higher than your midterm exam grade

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/admin/stucon/achon.htm.

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.