COURSE TITLE Organic Chemistry I

DATES, TIMES, AND LOCATION OF COURSE MEETING
MTWRF 8:00-9:45 am, SSMB 129 (Section 1, 30351)

NAME OF INSTRUCTOR
Dr. Timothy Barker
Office: 312 School of Science and Math Building (SSMB)
Phone: (843)953-7182
Email: barkertj@cofc.edu (this is the best way to contact me)

OFFICE HOURS (312 SSMB)
Thursday 2:00-3:00, Friday 10:30-12:30, or by appointment

TEXTS (required)
There is no difference between the textbook in the bookstore and one purchased online. This is not the most recent version of the book so an inexpensive used hard cover book may be found online.

Optional:

ACS Organic Chemistry Study Guide
http://shopping.na1.netsuite.com/s.nl/c.3773982/sc.11/category.191/f

COURSE OUTLINE
Chapter 1: Structure Determines Properties
Chapter 2: Alkanes and Cycloalkanes: Introduction to Hydrocarbons
Chapter 3: Alkanes and Cycloalkanes: Conformations and cis-trans Stereoisomers
Chapter 4: Chirality
Chapter 6: Nucleophilic Substitution
Chapter 7: Structure and Preparation of Alkenes: Elimination Reactions
Chapter 5: Alcohols and Alkyl Halides: Introduction to Reaction Mechanisms
Chapter 8: Addition Reactions of Alkenes
Chapter 9: Alkynes
Chapter 10: Introduction to Free Radicals
Chapter 11: Conjugation in Alkadienes and Allylic Systems
Chapter 13: Electrophilic and Nucleophilic Aromatic Substitution
Chapter 12: Arenes and Aromaticity
STUDENT LEARNING OUTCOMES
By the end of this course, students will be able to:

• Demonstrate basic communication skills within organic chemistry for example structure, nomenclature, mechanisms, reaction schemes
• Define and use fundamental concepts associated with physical organic chemistry
• Use foundational skills of organic reactions to predict organic reaction outcomes

Co- Pre-requisite Policy:
CHEM 112 and 112L are pre-requisites of this course. CHEM 231L is a co- or prerequisite of this course. If you choose to withdraw from either CHEM 231 or 231L, you must withdraw from both courses.

Exam Schedule:
Exam 1 Monday June 14th
Exam 2 Monday June 21st
Exam 3 Monday June 28th
Exam 4 Tuesday July 6th
The first 40 min of class time each exam day will be used to introduce new material that will be on the next exam. All exams will be taken in person.
If you are going to be unable to take an exam, notify me ahead of time by email.

Final Exam:
The ACS standardized final exam is cumulative and will be held on July 7th from 8-9:50 AM.

Homework:
Homework assignments will be handed out daily and assignments are due the next class period. Assignments will be graded using a combination of completion and accuracy.

Reading the course textbook is encouraged to supplement material discussed in class.

GRADING Final course grades will be assigned based on the following distribution:
Midterms (4) – 17% each
Final Exam – 17%
Homework – 15%

If your ACS final exam score is higher than the average score of your four exams, I will replace your lowest exam score with your final exam score. In order to take advantage of this policy, you must take all four exams.

Grading Scale:

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<th>Points</th>
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<tr>
<td>A</td>
<td>92-100</td>
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<td>A-</td>
<td>89-91.99</td>
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POLICY ON:

Attendance: Students will work in small groups during portions of the lecture to provide students an opportunity to work together solving problems and discussing the class material. Material will be covered in class that may not be present in the textbook so attendance is encouraged and mandatory.

Late Work: Homework and extra credit assignments are due the day assigned. Late homework assignments will receive no credit.

Extensions: Extensions will only be granted when the student has contacted the Dean’s office because of extenuating circumstances that prevent the student from attending class or completing assignments on time.

Electronic Devices in Class: You are expected to turn off or silence your cellphone before the beginning of class. Please be courteous of your fellow classmates and use any other electronic devices responsibly during class so as not to distract other students and degrade the classroom experience for everyone.

SNAP: This College abides by section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act. If you have a documented disability that may have some impact on your work in this class and for which you may require accommodations, please see an administrator at the Center of Disability Services/SNAP, 843.953.1431 or me so that such accommodation may be arranged. See also the Student Guide to SNAP Services for more information: http://disabilityservices.cofc.edu/documents/student-guide.pdf

The Center for Disability Services should provide you with a Professor Notification Letter that should be emailed to me, preferably during the first week.

Academic Dishonesty and Plagiarism: Academic honesty is strictly enforced on quizzes and exams. You are responsible for reading, understanding and adhering to the College of Charleston Student Honor Code Policy, please see: http://studentaffairs.cofc.edu/honor-system/index.php

All incidents of suspected academic dishonesty will be reported to the Honor Board. Students found responsible by the Honor Board for academic dishonesty will receive a XF grade.

The syllabus is subject to change with appropriate notice.