COURSE TITLE: Honors Organic Chemistry I

DATES, TIMES, AND LOCATION OF COURSE MEETING:
MWF 9:00-9:50am, SSMB 138 (Section 1, 20973)

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):
Wednesday 4:00-5:00 PM, Thursday 11:00-noon, Friday noon-1:00 PM or by appointment

TEXTS (required):
There is no difference between the textbook in the bookstore and one purchased online although the bookstore sells a package of the textbook, online Connect access and solutions manual that is the most cost effective

Optional:

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

COURSE OUTLINE (all sections from each chapter will be covered):
Chapter 1: Structure Determines Properties
Chapter 2: Alkanes and Cycloalkanes: Introduction to Hydrocarbons
Chapter 4: Chirality
Chapter 3: Alkanes and Cycloalkanes: Conformations and cis-trans Stereoisomers
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

• Demonstrate the ability to create and communicate analytic arguments supported by evidence
• Analyze and synthesize information within and/or across disciplines

• Apply physical/natural principles to analyze and solve problems
• Explain how science impacts society

Co- Pre-requisite Policy:
Both HONS 190 and 190L are pre-requisites of this course. HONS 192L is a co- or prerequisite of this course. If you choose to withdraw from either HONS 192 or 192L, you must withdraw from both courses.

Exam Schedule:
Exam 1 Monday January 27th
Exam 2 Wednesday February 12th
Exam 3 Monday March 2nd
Exam 4 Monday March 30th
Exam 5 Monday April 20th
An unexcused absence on the day of an exam will result in a zero on that exam. If you are going to miss an exam, notify me ahead of time by email.

Final Exam:
The ACS standardized final exam is cumulative and will be held on Friday April 24th from 9-11 AM.

Connect Homework:
Homework assignments will be administered through the Connect website using the link below. There will be approximately one assignment for every day of class consisting of five questions about material we have already covered in class. Please be sure to allow enough time for the assignments. Since they are computer based, the due date and time are not flexible. Even if you complete an assignment after the due date, the score at the actual due date will be the one recorded in my gradebook. Please email me immediately and contact customer service if you notice any issues with the Connect website.

https://connect.mheducation.com/class/t-barker-hons-192-spring-2020

Group Homework/Quizzes:
There will be some combination of quizzes and group homework assignments. Quizzes may be in class assignment or take home. Group homework assignments must be completed in groups of 2-5 students. All group homework assignments are due at the beginning of class the day they
are due. Group homework assignments will be posted on OAKS at least one week before it is due. **No late homework will be accepted.**

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 (5) – 15% each
- Final Exam – 15%
- Connect Homework – 7%
- Group Homework/Quizzes – 3%

If your ACS final exam score is higher than the average score of your five 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 five exams.

**Grading Scale:**

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<td>A</td>
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<td>B+</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:** If you are in need of any special accommodations for this course, please see the Student Guide to SNAP Services for more information: [http://disabilityservices.cofc.edu/documents/student-guide.pdf](http://disabilityservices.cofc.edu/documents/student-guide.pdf)

The Center for Disability Services should provide you with a Professor Notification Letter that should be shared with me during office hours, preferably early in the semester and at least one week before the first exam.

**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](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.