Welcome to Introduction to Organic Chemistry! This course is meant to review and expand upon topics from general and organic chemistry that are crucial for your success in organic chemistry. This course alone, while hopefully helpful, is not enough to ensure your success in organic. Please take this opportunity as a chance to learn how to study for organic, and as a good foundation for acquiring more advanced knowledge that will be essential in the future.

If you have questions about the material or are struggling, please contact me. I want you to succeed, but I cannot help you if you do not let me know that there is a problem. I look forward to our semester together!

Course description: An introductory course in chemistry designed to help students who intend to take organic chemistry. Please note that, while this class is offered online, you should expect to invest a similar amount of time as with a traditional course. Online does not equal easy! You will need to be self-motivated to succeed in this class.

Course Co- and Pre-requisites:
Pre-requisites: Chem 111, Chem 111L, and Math 111 or 120 or equivalent
Co-requisite or pre-requisite: You may take this course if you are currently enrolled in Chem 112 and 112L. You may also take this course if you have dropped Chem 231 but wish to stay enrolled in 231L. If you drop or withdraw from this class, you will also be withdrawn from 231L.

Student Learning Outcomes

- Draw, name, and interconvert between different types of structural representations of organic molecules
- Draw and interpret three dimensional structures for different isomers
- Draw and interpret general features of curved arrow notations
- Understand and use fundamental concepts and trends in acidity

Required Materials:

- A computer with reliable internet access and speakers
- A way to take a photo of your work and quickly upload it to an OAKS discussion or dropbox

Recommended Materials:

- Textbook: Chemistry: Atoms First, third edition, by Julia Burge and Jason Overby (can use electronic version) OR
- Model kit or ChemBioDraw (available on the department website here)
- A webcam and microphone, to take advantage of office hours held on Virtual Classroom
Class Schedule / Course Topics: Please note that this is subject to change! Each module will include lecture, problems, discussion boards, and a quiz. The due dates for the individual components are on OAKS.

Module 0  Introduction and syllabus  2/28-3/4
Module 1  Lewis structures and resonance  3/5-3/11
Module 2  Brief geometry and hybridization review; Molecular representations  3/12-3/25
Module 3  Nomenclature; Isomers  3/26-4/1
Midterm Exam 4/1 from 7:00-8:15pm in SSMB 327
Module 4  Stereoisomers: Enantiomers and R/S notation  4/2-4/8
Module 5  Reaction mechanisms and curved arrow notation  4/9-4/15
Module 6  Trends in polarity and acidity  4/16-4/22
Final Exam  4/28 from 4-7pm  in SSMB 327

General due dates:
Tuesday: Module opens
Thursday at 11:30pm: Post your first draft of solutions for your group’s problems in your group’s discussion board for the module
Friday at 8am: Key is released
Saturday at 11:30pm: Post two comments on your group members’ threads in your group’s discussion board
Saturday at 11:30pm: Quiz opens
Monday at 11:30pm: Quiz is due

The first week: Module 0 is open; there is a syllabus quiz due Monday at 11:30pm

Important dates:
2/28  First day of Express II
3/4  Last day of drop/add
3/17-3/23  Spring break
4/9  W deadline
4/23  Last day of class

Grading Scale:

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<tr>
<td>A</td>
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<td>A-</td>
<td>90.0-92.9</td>
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<td>B+</td>
<td>87.0-89.9</td>
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<tr>
<td>B</td>
<td>83.0-86.9</td>
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<tr>
<td>B-</td>
<td>80.0-82.9</td>
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<tr>
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<tr>
<td>C-</td>
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Course Grade:
25% Final
25% Midterm
30% Participation / Homework / OAKS discussions
20% Quizzes

OAKS: This class will be run on the OAKS learning platform, which can be accessed through MyCharleston. All assignments, lectures, and deadlines will be on OAKS. You are expected to log into OAKS at least three times each week to actively participate in the class. If you are not active and
participating on OAKS for ten consecutive days when a module is active, you will receive a failing grade of WA. It is your responsibility to be aware of all materials and deadlines on OAKS. Please be aware that I do have the ability to check your activity and progress on OAKS. Office hours will be held in person and also may be run on OAKS, through the Virtual Classroom tool. The OAKS platform will allow all students to interact with each other and with me throughout the week, as well as synchronous office hours through Virtual Classroom.

**Participation / Homework:** This class is meant to be highly interactive. You are expected to contribute to our discussions by participating in the discussion boards, asking questions and volunteering answers. You’ll also be expected to present solutions for various problems to the class on these boards. Part of doing so will be working constructively in groups. Doing the homework will be essential to your contribution to the class and your participation grade. Although your discussion grade will only be based on part of the homework, you are responsible for working through all problems on the homework sets and monitoring the other discussions for the solutions. These are the types of discussion boards you will find on OAKS:

- **Technical questions** Meant for any issues with documents not downloading, videos not playing, etc.
- **Study lounge** Meant for contact with your classmates. Ask study questions, etc.
- **Module-specific boards** Each module will have its own discussion board, where you and your classmates will post the answers to the module’s homework. You will be divided into small groups, and each group will be responsible for a portion of the content. Each week, the group members must post answers for their section and respond constructively. Please see below for more information about how this will be graded.

**Quizzes and Exams:** Although I encourage you to work in groups for the homework problems, all quizzes and exams must be done alone, without outside resources, including cell phones. All quizzes will be administered through OAKS. Exams will be administered in person. You will be given a periodic table. Some questions may require you to write the answer, take a picture and upload it to OAKS. **You must be sure that the picture is of good enough quality for me to grade.** If this becomes an issue, you will receive a zero for any affected questions. (I also need to be able to read your handwriting!)

**Quizzes:** There will be a short quiz that is due at the end of each module. It will be timed, and it will auto-submit at the deadline, so be sure you are keeping track of the timer. The one exception will be a syllabus quiz that is open-syllabus and untimed. You must complete the syllabus quiz with a score of 100% for Module 1 to open. **Quizzes submitted after the deadline will receive a score of zero.**

**Midterm:** There is one midterm exam scheduled for the semester. It is cumulative for the material we have covered so far and will be administered in-person on 4/1 from 7-8:15pm in SSMB 327.

**Final exam:** The final exam is cumulative for the material we have covered so far and will be administered in-person on 4/28 from 4-7pm in room SSMB 327.

**Communication:** You may contact me by email or through the discussion boards. You can expect a response within 24 hours, or slightly more over the weekend. Please post all non-private questions to the discussion boards, as it is likely that a classmate has a similar question. For personal questions, please use email. If you email me with a general question, I will likely ask you to post it in the boards before I answer it. **Please check the discussion boards for your question before contacting me.**
Perhaps it has already been answered! I encourage you, as students, to help each other with questions. I will clarify any relevant issues after students have had a chance to respond. If I do not respond to email within 24 hours, please resend, as it is probably in my junk folder. Please notify me of all important issues via email, even if you have already talked to me about it! I will also send out emails to the whole class containing important information about class materials, due dates, upcoming assignments, etc. It is important that you check your cofc email daily. Also feel free to ask me questions during office hours in person or on Virtual Classroom, in OAKS!

**OAKS Discussions:** OAKS discussion boards will be a crucial part of your participation grade as well as the primary way to communicate and answer questions, between students and with me. Here are some tips on creating effective posts in OAKS:

- Create constructive posts/comments. Not “I’m so lost!” or “I agree!” If you are confused, give a specific example of what is difficult. If you are trying to work through problems as a group, be sure that you are submitting your own solutions to the problems, not just agreeing with another person’s work. It’s also okay to disagree with someone’s solution, but give a reason why so you can work it out together.
- For full credit in each discussion module, you should create an original thread (ie your own solution to a problem, or a specific comment you want clarified). You should also post different comments on at least two other people’s threads in your group. Your contributions should be informative, thoughtful, and productive for full credit. Please also maintain your threads, ie check for and respond to questions and comments. Deadlines for creating posts and commenting will be staggered.
- It is possible to receive full credit in a discussion even if your answers are not completely correct. You are not expected to know all of the answers, but I do expect to see a reasonable and thoughtful discussion of what you think should happen. I will also post on your discussion boards to try to give you helpful tips.
- In order to receive credit for your contributions, you must post before the deadline. Please be prompt! Your group members will want to respond to your comments as well.
- You can post on other groups’ discussion pages since you will all have access to the same problem sets, especially if you think you can help them or if you have a specific question. You may also be able to help answer a technical question.
- Be courteous (see below).
- Specific rubrics for calculating your discussion grade are posted on OAKS.

**Deadlines/ Due dates:** Deadlines are strictly enforced! There is no credit for late work. Please don’t wait until the last minute to complete an assignment. Computer trouble and internet issues are not accepted as excuses for late work. It would be prudent for you to have a back-up plan in case of issues (library, etc.). You also may find it helpful to turn on notifications in OAKS. To do so, click on your user account at the top right of the screen, then “Notifications”. You can then select the sorts of automated reminders you would like to receive. Since you will have several days to complete the modules, an illness on the due date is also not an acceptable reason for an extension. Please contact me if you have an official College-related absence or documented extreme extenuating circumstances (ie death of a family member, hospitalization, etc.)
**Technical support:** If there are issues with course content, please let me know on the “Technical questions” board. If you are experiencing difficulty with OAKS or similar issues, please contact Student Computing Support. A general website is [here](http://example.com) or [help.cofc.edu](http://example.com) or you can call 843-943-8000 or email [studentcomputingsupport@cofc.edu](mailto:studentcomputingsupport@cofc.edu). OAKS tutorials can also be found [here](http://example.com) and [here](http://example.com), and a tutorial on Virtual Classroom is [here](http://example.com).

**Courtesy:** This class should be a positive learning experience for everyone. Be considerate and respectful in your phrasing. Remember that nuances of tone are lost online. Also do not use all caps, as it is like SHOUTING. It is okay to disagree with each other, but it should be a part of a constructive discussion, not a dismissal of each other’s work. For clarity’s sake, please limit the use of abbreviations, and write in a professional manner. If you would prefer that I address you by a different name, please let me know.

**Successful studying:** The best way to succeed in chemistry is by practicing lots of problems. There is no substitute for working problems. Don’t wait until the last minute! You can’t cram for a chemistry exam.

**Academic Honesty:** While I encourage you to study together, academic misconduct, cheating, and plagiarism will not be tolerated. If you participate in academic misconduct, you will receive a zero for the assignment. You will also be reported to the dean, and you may be given a failing grade in the class. Academic misconduct is defined in the handbook. You may not copy, collaborate without permission, allow another person to copy or otherwise knowingly assist them in a disallowed manner, plagiarize, use disallowed sources of information (cheat sheet, cell phone), or falsify data, among possible offenses. Using a calculator to store equations or text is also cheating. Use of a wireless communication device, such as a phone, during an exam is a violation of the honor code. **Attempting to collaborate on an online exam or quiz is also an example of academic misconduct.** Please see the school’s honor policy in the handbook for more details.

**Center for Disability Services/ SNAP Students Needing Access Parity:** If you are approved for accommodations by SNAP, please let me know as soon as possible by emailing me a scanned copy of your accommodation letter. You are responsible for contacting me at least one week in advance of any accommodation needed. If you have a documented disability that you need accommodation for in this class, please contact SNAP at 843-953-1431 to arrange.

As always, if you have any questions or special circumstances arise, please let me know as soon as possible. It is easier to solve a problem that I know about ahead of time.

This syllabus is subject to change with appropriate notice.