

University of Central Arkansas
CHEM 3411: Organic Chemistry II
FALL 2020 – Hybrid Course Syllabus
CRN: 10594, 18923, 18056

Professor: Kerry Barnett, Ph.D. (She/Her/Hers)
Email: kbarnett@uca.edu

Q&A Sessions: Monday 4-5 PM (Zoom)

Course Website: classroom.google.com

Lab Sections: all labs in Manion (Rm 306)

Class Sessions: TR 12:15-1:30 (Zoom)

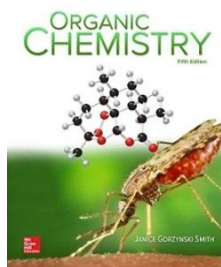
CRN 33020: Wednesday 10 AM-12:50 PM

CRN 33022: Wednesday 2:00-4:50 PM

Office Hours: T: 10:00 – 11:00AM, 3:00–4:00PM
R: 3:00-4:00PM, F: 10:00-11:00AM

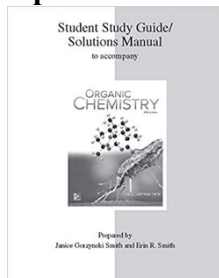
CRN 33023: Thursday 8:00-10:40 AM

Required Course Materials:



- *Organic Chemistry, 5th ed.*, Janice Gorzynski Smith, McGraw-Hill, 2017.
(Available for reference check out in the library)

Optional Course Materials:



- *Student Study Guide/Solutions Manual for use with Organic Chemistry (5th ed.)*, Janice Gorzynski Smith.
- *Molecular Model Kit*

“Education is not the learning of the facts, but the training of the mind to think.”
- Albert Einstein -

Course Overview

Why study Organic chemistry?

Organic chemistry is the fascinating study of carbon containing molecules. Carbon is found in all living systems and is essential to our daily lives. Learning about organic chemistry will widen your view of molecular science and its world-wide applications. This course will also sharpen skills in critical thinking and problem solving. The skills and knowledge obtained through studying organic chemistry are necessary tools to prepare students for future challenges in the work force, particularly careers in health sciences and scientific industry.

Goals:

- Identify organic structures using spectroscopic information.
- Identify and predict behavior of molecules in chemical reactions (i.e., nucleophile vs electrophile).
- Identify orbital interactions in chemical reactions.
- Use arrow-pushing mechanisms to describe reaction selectivity and outcome.
- Predict reaction outcomes using knowledge of structure and mechanism.
- Propose multistep routes for the synthesis of organic compounds.

Tips for Success in Organic Chemistry II:

- Be prepared and willing to put in a substantial amount of effort.
- Maintain a growth mindset and seek opportunities to improve.
- Plan a structured routine for completing course work and stick to it.
- Keep course materials and assignments well organized.
- Use the resources available to you. Specifically, text-book/notes, Module videos, attend virtual office hours and Q&A sessions.
- Choose to focus more on your personal learning experience and less on your letter grade.
- Mentally accept the challenges that you face as opportunities to learn.

Office Hours:

Professor Barnett will hold regular virtual office hours via **Zoom** during the semester. Each office hour will be sectioned into 20-minute appointment slots. Students must sign-up for an office hour slot via the **Google Classroom Calendar**. If the scheduled office hour times conflict with your schedule please email Professor Barnett to schedule a meeting, allow a minimum of 24 hours for a response. See the “How To” videos online for instructions on signing up for office hours.

Q&A Sessions:

Every Monday from 4:00-5:00 pm there will be a drop-in Question and Answer session held on Zoom. These sessions are great to come to with questions about text-book problems, problem sets, or topics from class.

Course Delivery Overview

This semester our course will be conducted as a **Synchronous Lecture Course with a Hybrid of Virtual and In-Person Instruction**. This format is the best format to allow for some in-person instruction with hands-on laboratory experience. Please see below some questions and answers regarding how this will work.

1. What part of the class will be online only?

Our **Google Classroom** website will be central to every aspect of this course. There are different types of online-only content. In general, all detailed lecture content and notes are provided online and ALL graded assignments are online only. Please see more info for each below.

- Lectures: All lectures will be held on zoom Live during the scheduled course time. Lectures will be recorded and added to the course website after each class.
- Lecture Notes: Lecture notes will be provided online in PDF format.
- Graded Assignments: All assignments (Quizzes/Exams/Class Problems/Lab Assignments) will be provided online and turned in online. These will vary between Google Forms and Handwritten assignments.
- Office Hours: All office hours are conducted through Zoom.
- Q&A Sessions: All Q&A sessions will be held online via Zoom.

2. What devices are required for the online portion of the course?

The entire course can be accessed and completed using any Wifi capable device with a front-facing camera. The course is formatted to allow the use of only a Smart Phone.

3. What part of the class will be in person?

The laboratory portion of the course will be completed in person. There is a detailed schedule alternating in person lab assignments and online lab assignments on the course website.

Details on Lectures and Assignments

Lecture:

The lectures for this course will be held live via Zoom during the scheduled class time. Lectures will consist of notes and working in groups (break-out sessions) on problems. Data from in-class problems will be collected and count 10% (100 pts) toward overall grade in the course. All live lectures will be recorded and posted to the Google Classroom website.

-Attendance Policy- Class attendance is not required, but if you miss a *Class Problems* assignment you will receive a zero for that day. If you have an excused absence you will not receive credit for missed class problems, but it will not count against your grade.

Notes:

Before each live lecture there will be a blank PDF of note outlines posted to the Google Classroom website. During live lecture students can fill out the notes. A copy of completed notes will be posted to the Google Classroom Website after each live lecture.

Practice Problems:

Each week a list of suggested pages to read and practice problems from the text-book chapter will be posted. Practice problems will not be turned in or graded. It is strongly encouraged that students complete all suggested book problems. Content from any of the suggested book problems will be fair content for exams and quizzes.

Quizzes (150 pts):

Before each semester exam there will be a Quiz for a total of 50 points each. The quizzes will be timed using the add-on *Quilgo* with Google forms. See video on google classroom for how to use Quilgo. Students are allowed to use Module notes and text-book/solutions manual (or other materials on google classroom) as resources when completing their quizzes. Students are required to take the quiz alone and without help from others. Please see ***Google Classroom*** for quiz due dates. **Students are asked to use a webcam during quizzes and Exams..**

Problem Sets (100 pts):

There will be a total of 5 Problems Sets (20 points each), see schedule for due dates. Problem Sets are homework problems graded for **completeness** and **quality** of work, *NOT* for correctness. A PDF copy of each problem set will be posted to the course website. Students may choose to print the problem set, copy problems to notebook paper, or use a device to complete the problem set electronically. Students will upload completed problem sets to google classroom by the due date/time specified. It is the students' responsibility to self-grade their work for correctness using the answer keys posted.

Problem Set Grading Rubric: Problem sets will be worth 20 pts each. A rough layout of scoring is as follows:

- 16-20 points = full attempt to answer all problems
- 12-15 points = all problems attempted but missing some work
- 9-11 points = minor attempt and/or a problem left blank
- 5-8 points = turned in, but little effort shown

Exams (300 pts)

There will be three exams given throughout the semester. Each exam will be worth 150 pts. Exams will be self-scheduled by students and completed online. Exams will be timed (180 minutes) using Google Forms and the Quilgo add on. Students will be required to also use a web camera to confirm identity via Quilgo during each Exam. **Students must have a device to take the exam on. All wifi capable devices with front facing cameras are compatible with the testing format (includes laptops, smart phones, and tablets).** At the end of the semester the lowest of the three Exam grades will be dropped.

Laboratory (150 pts)

The lab portion of this course will contain a mixture of in-person and online instruction. There will be 11 labs total. Some of the labs are “dry-labs” and others are “wet-labs”. There are detailed lab schedules and assignments posted on the Google Classroom website. Please refer to these to determine your individualized lab schedule. We will be using the online program LABFLOW to complete all lab related assignments. The program requires a subscription and instructions on how to sign up for labflow are located on the course website. The average score in lab will be weighted to contribute 150 pts towards the overall grade in the course.

Final Exam (200 pts)

The final exam for this course will be completed remotely, details on Exam time will be updated in the future. The final exam is mandatory and will be cumulative.

Grading Policy

Grading Overview

This course will be graded by total points earned out of total points available. See the table below for a description of point distribution.

Assignment	Points
In-Class Problems	100
Problem Sets (20 pts each)	100
Quizzes (50 pts each)	150
Exams (150 pts ea. & Lowest dropped)	300
Lab	150
Final Exam	200
Total	1,000

Letter grade scaling:

Throughout the semester the letter grade cut-offs will be adjusted according to grade outcomes. Students will be notified of these cut-offs via Google Classroom. Students can use the 10% scale that may be used as a “rule-of-thumb” for letter grade cut-offs. The cut-offs will be announced to students throughout the semester. If you have further questions regarding the calculation of letter grades please email Professor Barnett.

Classroom and University Policies

Late and Missed Work

Unexcused missed/late work: Unexcused late quizzes will not be accepted and you will receive a zero. Missed exams cannot be made up. For a health (physical or mental) crisis or other emergency situation communicate with the Professor to accommodate for missing/late work or to request an extension. There will be no extensions allowed for the Final Exam date.

Academic Integrity

The University of Central Arkansas affirms its commitment to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the university's Academic Integrity Policy, approved by the Board of Trustees as Board Policy No. 709 on February 10, 2010, and published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on an assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate. Continued enrollment in this course affirms a student's acceptance of this university policy. ***The use of the website **Chegg.com** on Problem Sets, Quizzes, and Exams is not permitted in this course. If any problems are found on the website an official honor code investigation will be pursued.

Disabilities Statement

The University of Central Arkansas adheres to the requirements of the Americans with Disabilities Act. If you need an accommodation under this Act due to a disability, please contact the UCA Disability Resource Center, 450-3613.

Title IX

If a student discloses an act of sexual harassment, discrimination, assault, or other sexual misconduct to a faculty member (as it relates to "student-on-student" or "employee-on-student"), the faculty member cannot maintain complete confidentiality and is required to report the act and may be required to reveal the names of the parties involved. Any allegations made by a student may or may not trigger an investigation. Each situation differs, and the obligation to conduct an investigation will depend on the specific set of circumstances. The determination to conduct an investigation will be made by the Title IX Coordinator. For further information, please visit: <https://uca.edu/titleix>. *Disclosure of sexual misconduct by a third party who is not a student and/or employee is also required if the misconduct occurs when the third party is a participant in a university-sponsored program, event, or activity.

Student Handbook

You are encouraged to familiarize yourself with student policies described in the student handbook. In particular, carefully read and understand those policies pertaining to academic issues and sexual harassment.



2019-20 Student