



EAST TENNESSEE STATE  
UNIVERSITY

College of Arts and Sciences

*Department of Chemistry*

CHEM 2020 Organic Chemistry II

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**Course Description & Objectives:**

This course builds on the material covered in Organic Chemistry I and extends the ideas discussed there to the investigation of the properties and reactivity of the major classes of organic molecules. The objectives are for students to:

- Develop an understanding of core concepts and principles of organic chemistry.
- Build on their experimental skills and analytical thinking abilities through lab sessions.
- Improve abilities of scientific inquiry, and eventually become better learners.

**Prerequisites & Co-requisites:**

Pre: Chem 2010 and Chem 2011

Co: Chem 2021

Although Organic lecture (Chem2020) and Organic lab (Chem2021) are separate courses they must be taken at the same time, if you drop one of them you must drop the other one.

**Curriculum Materials:**

- Text: Joel Karty; Organic Chemistry: Principles & Mechanisms, 1st edition.
- **Smartwork**® online homework: It is mandatory, and it is free with the textbook. After the first lecture visit **smartwork.wwnorton.com**. to register, so that you can complete the online homework assignments. To do that you need: (1) the access code which comes with the textbook, (2) a valid email address, and (3) your enrollment key provided by me.
- Desire 2 Learn: A D2L site (<https://elearn.etsu.edu/>) for this course is available through ETSU. All announcements, course materials, and grades will be posted here.
- Student Study Guide and Solutions Manual for the same book. This is included free with the textbook when you purchase it.
- - Organic Molecular Models set. This is optional but highly recommended.
- All students registered for the lab must complete safety training. The safety quiz instruction is posted on D2L with syllabus. **You must complete and pass the quiz before being allowed in lab. You must complete the safety training by August 30th, 2020 or you will be purged from both the laboratory (CHEM 2021) and lecture (CHEM 2020).** If you are purged, you will not be able to add the courses back until you have completed the safety training. Further, you will not be allowed in the laboratory until you have added back the courses. **If this course is dropped, it can have an effect on your financial aid.**

**Course Policy:**

- Attendance – There is a direct correlation between class attendance and how well a student does in the course. Some absences are unavoidable, but every effort should be made to attend class regularly, because inevitably everything covered in lecture will show up on the exams in one form or another. Recall that in order to drop your lowest exam grade, you

must attend lecture at least 80% of the time. Attendance will be taken randomly. I direct your attention to: [ETSU Bill of Student's Rights and Class Attendance Policy](#)

- Communications: D2L, email or call to leave a message.
- Classroom – All electronic devices must be turned off unless you are on-call as a medical or safety personnel (in which case the cell phone may be left with Dr. Mei on silent vibrate). Any distractive behavior (including the use of electronic devices) will result in a warning the first time and by dismissal for the remainder of the class period the second time. **No electronic items other than non-programmable scientific calculators and no hats or sunglasses are allowed during exams.**
  - Calculators – The use of only **non-programmable** scientific calculators for this course makes it easier for you to be prepared to use a non-programmable calculator on an exam. The use of programmable calculator on an exam or quiz is academic misconduct.
- Academic Honesty – Cheating in class is a serious offence and will not be tolerated. ETSU student handbook: “Academic misconduct will be subject to disciplinary action. Any act of dishonesty in academic work constitutes academic misconduct. This includes plagiarism, the changing or falsifying of any academic documents or materials, cheating, and the giving or receiving of unauthorized aid in tests, examinations, or other assigned schoolwork. Penalties for academic misconduct will vary with the seriousness of the offense and may include, but are not limited to: a grade of F on the work in question, a grade of F for the course, reprimand, probation, suspension, and expulsion. For a second academic offense the penalty is permanent expulsion.” **Possession of an electronic device (other than a nonprogrammable calculator) during an exam or quiz constitutes Academic Misconduct.** Any incident of academic misconduct will result in a minimum grade of 0 on the assignment and will be reported. All students need to read the Departmental Academic Integrity Policy, posted in the syllabus module of this course on D2L.
- Any student with a special need for an accommodation in course activities should make arrangements with Dr. Mei within the first two weeks of class.
- **Mental Health:** Students often have questions about mental health resources, whether for themselves or a friend or family member. There are many resources available on the ETSU Campus, including: ETSU Counseling Center (423) 439-4841; ETSU Behavioral Health & Wellness Clinic (423) 439-7777; ETSU Community Counseling Clinic: (423) 439-4187.
  - **If you or a friend is in immediate crisis, call 911.**
  - Available 24 hours per day is the National Suicide Prevention Lifeline: 1-800-273-TALK (8255).

### Course Grading:

The course final average will be calculated as follows:

- |                  |     |
|------------------|-----|
| • Homework       | 15% |
| • Exam           | 60% |
| • ACS Final Exam | 25% |

- Homework will be online each week and will make up 15% of the course average.
- Exams will make up 60% of the overall average. Each exam will require one class meeting.
- The final exam will be cumulative and make up 25% of the overall average. It will require a **110 mins period.**

Notes:

- (1) Attendance will be taken on a random basis. There will be NO MAKE-UP exams. If there is legit reason, you can take exam early or do a make-up exam in one week.
- (2) If two or more regular exams are missed, or if the final exam is missed, the grade “F” or “I” will be assigned as the final grade.

- (3) An “I” will only be assigned when **very extenuating** and **documented** circumstances prevail, and the student is passing the course.
- (4) Other than bonus points on exams, there are no opportunities for extra credit. Please put your time and effort into mastering the concepts in the first place. So please do not request any other extra credit projects.

(5)

Exam I	Sept 18
Exam II	Oct 12
Exam III	Nov 06
ACS Final Exam	Mon, Dec 7 8:00.-10:00 a.m.

- The scale below will be used to assign final letter grades. I reserve the right to lower this scale as appropriate but will not raise it.

**A ≥93%, A- ≥90%, B+ ≥87%, B ≥84%, B- ≥81%, C+ ≥78%, C ≥72%, C- ≥66%, D+ ≥60, D ≥50%, F <50%**

**Schedule:**

The following schedule will be followed as closely as possible, but it may be subject to modification if needed:

<u>Date</u>	<u>Topic</u>
08/24-09/11	Chapters 10, 13 &14 (9-class periods)
<b>09/18 (F)</b>	<b>Exam I (Chapters 10, 13 &amp; 14)</b>
09/14 -10/07	Chapters 17, 18, 24 (10-class periods)
<b>10/12 (M)</b>	<b>Exam II (Chapters 17, 18, 24)</b>
10/09-10/30	Chapters 19, 20, 21 (9-class periods)
<b>11/06 (W)</b>	<b>Exam III (Chapters 19, 20 &amp; 21)</b>
11/02-11/20	Chapters 22, 23, 26 (8 class periods)
<b>12/07 (8:00-10:00 am)</b>	<b>Final Exam (ACS)</b>

\* *I reserve the right to explain and make appropriate adjustments to the above syllabus.*