

Course Syllabus

Course title: Organic Chemistry II (CHM 2211)
Lectures: MW, 12:30 pm -- 01:45 pm, ENA 105
Instructor: Professor Xiaodong Michael Shi,
Office: BSF 310
Email: xmshi@usf.edu
Use your USF e-mail account only and with CHM2211 in the subject line and sign with your name and U-number. Under no circumstance should you use the CANVAS for communication purposes

Course Website: <http://xmshi.myweb.usf.edu/Courses.htm>
Office Hours: **Dr. Shi.** Wednesday 2:00 pm -- 3:00 pm
Or by appointment through email, need one day in advance
(Extra helping sections will be holding on selected Wednesday night)
Ms. Mengjia Liu and Ms. Qi Tang (office: NES 329)

Required Textbooks:

- David Klein **Organic Chemistry**, 4th ed. And the **Study guide**.
- Organic Chemistry Molecular model set (Not required but good to have)
- This is **not** an online course and not all information can be posted on CANVAS.

CLASS:

1. Lecture – It meets two times a week (MW). General topics with examples are first presented.
2. Discussion - It meets once a week in small group. Here, topics and problems are discussed. This is where quizzes are given.
3. Hour Exams - Will be given as indicated in the class schedule.

PRACTICE PROBLEMS:

There is only one way to acquire an understanding of organic chemistry - solving problems and revising topics covered in the lecture. As a rule of thumb- for each course credit hour, you are expected to spend 4 hours per week on the revision and problem solving outside of the classroom, i.e., for this 3 credit hour course you are expected to work 12 h/week outside of class for revision and problem solving. It is absolutely essential to work as many problems as possible. The problems in the text should be done as you read the chapter/lecture notes and the problems at the end of the chapter afterwards to reinforce your class work. One should work all the problems in each assigned chapter. Do not use the solution manual to answer questions, and only use it to check answers that you think are correct. If you cannot solve a problem, first reread the relevant part of the chapter and lecture notes.

MAKE-UP EXAM POLICY

A make-up exam/quiz will be provided only for excused absences. Reasons for excused absences must be one of the approved by the USF. Employment schedules and athletic training/practice schedules of students do not comprise a valid excuse for absences. Unexcused absences from any exam/quiz will be scored as a zero. *A make-up exam/quiz for those with an approved excuse will be conducted on the last day of class, time and place to be announced, but not during class.* The make-up exam/quiz will be cumulative in nature. A student wishing to take

the make-up exam/quiz for an approved excused absence would have to notify the instructor, using the form attached to this document, within the first two weeks of the class and provide documentation and discuss the logistics of the makeup exam/quiz. If there is an unexpected excused absence, the student would have to follow the same process above within three days in order to take the make-up exam/quiz.

Grading and Examinations:

The final course grading included three parts: Quizzes, Exams and Final-exam.

Quizzes: 11 quizzes will be given during Friday discussion time. Score of the **best 10** quizzes will be counted (20 points each, **200 pts/29%**)

Exams: Three 100 points exams will be given on the following date. (**300 pts/42%**)

Exam I (100 points): 02/04/2022 (Friday, 5:15 pm – 6:45 pm)

Exam II (100 points): 03/04/2022 (Friday, 5:15 pm – 6:45 pm)

Exam III (100 points): 04/08/2022 (Friday, 5:15 pm – 6:45 pm)

Final-Exams: Cumulative exam, covering topics of both organic I and II. (**200 pts/29%**)

Total points: 700 (100%)

Grading standard:	A	>560 (80%)
	B	490-559 (70%)
	C	420-489 (60%)
	D	350-419 (50%)
	F	<350

Notice: It is important that you review your graded exam/quiz and check it for grading error during the Discussion Section, and only at this time. If mathematical errors are found in adding the points on your exam, you may request your exam be reviewed. You may also request a review at this time if there are questions regarding errors in grading. However, if you ask for re-grading of a question, the entire exam will be re-graded and the final score may be higher or lower than the original as a result of the re-grading. Once an exam has left the discussion room, no further adjustments will be made (**NO EXCEPTIONS**). Therefore, please make certain your exam is correctly graded and review it for mathematical errors before you leave. Graded exam/quiz **must be picked up within two weeks** after the exam is administered. Keep graded exam/quiz for your record, which you **must produce** in case of any grade input error in the grade book. Please bring any input error to my attention as soon as you notice it.

Notice: No *I* grades will be given without valid documented reasons. The University policy on incomplete grades will be followed “An ‘I’ grade indicates incomplete coursework and may be awarded to an undergraduate student only when a small portion of the student’s work is incomplete and only when the student is otherwise earning a passing grade.”). **S-U Policy** contracts must be negotiated in writing within the first week of the term.

Notice: Please check the official drop deadline; **I will not support late withdrawal/drop form after the drop deadline has passed.**

ACADEMIC DISHONESTY: DISRUPTIONS/DISTRACTIONS IN THE CLASSROOM WILL NOT BE TOLERATED. YOU MUST FOLLOW INSTRUCTIONS GIVEN IN THE CLASS ROOM. Electronic copies of the Graded exams are kept and can/will be used for comparison purpose in case of a perceived alteration of the graded exam. Any attempts to cheat on examinations (or quizzes) will result in a zero for that exam, and possibly an “F” for the course

depending upon severity of the cheating. Students receiving an “F” as a result of the academic misconduct will receive an “FF” on his or her record, and will be brought to the attention of the Dean’s Office for further actions (including possible expulsion from the university). Please consult University guidelines.

ATTENDANCE POLICY:

Attendance to all class sessions is required, and class participation/ attendance will be recorded. If any class session is missed, it is the responsibility of the student to find out if any assignment or schedule changes were made during the missed session.

SPECIAL ACCOMMODATION: Any student with a disability should meet with the instructor privately during the first week of class to discuss accommodations. Each student must bring a current **Memorandum of Accommodations** from the Office of Student Disability Services that is prerequisite for receiving accommodations. Accommodated examinations through the Office of Student Disability Services require a two weeks notice.

NOTICE TO ALL STUDENTS:

- Notice 1.** Any announcements made in class meetings will supersede information provided in this document; it is the responsibility of the student to find out if any policy or schedule changes were made during the missed class meetings.
- Notice 2.** In accordance with the University policy on observance of religious holy days, *Students who anticipate the necessity of being absent from class due to the observation of a major religious observance must provide notice of the date(s) to the instructor, in writing, by the second class meeting.*
- Notice 3.** Sale of the lecture notes or course materials (in any format) is prohibited.
- Notice 4.** The instructor/TA will keep uncollected exams/ assignments for a period of **no longer than 2 weeks** from the date of completion of the grading of the exam/ assignment.
- Notice 5.** **Disruptions/distractions**, of any kind, in the class **will not be tolerated**. For such behavior **expulsion from the class** (or course) may result.
- Notice 6.** **Written permission must be obtained prior to recording any part (in any format) of the class lecture.**

Important timeline:

2/4	Exam I (100 points): (Friday, 5:15 pm – 6:45 pm)
3/4	Exam II (100 points): (Friday, 5:15 pm – 6:45 pm)
4/8	Exam III (100 points): (Friday, 5:15 pm – 6:45 pm)
4/30	Final (200 points): (TBD)

Quiz 1: 1/14 Quiz 2: 1/21 Quiz 3: 1/28 Quiz 4: 2/11 Quiz 5: 2/18 Quiz 6: 2/25
Quiz 7: 3/11 Quiz 8: 3/25 Quiz 9: 4/1 Quiz 10: 4/15 Quiz 11: 4/22

* The exam date and time may change based on the room availability.

Classroom Diversity: You are expected to attend each lecture, be attentive during class and participate in class discussions (please feel free to ask questions if you do not understand something in lecture). You are also expected to listen respectfully to other students and me when we are speaking. *To show this respect, I recommend that you turn off your cell phone. Racism, sexism, homophobia, classism, ageism, and other forms of bigotry are inappropriate to express in lecture.*

Tentative Schedule of Lectures and Examinations:

<u>Week of</u>	<u>Material</u>	<u>Reading</u>
January 10 to 19	Course preparation and O-Chem I review	Ch. 1-13
January 17	MLK, no class	
January 24 to 31	NMR/IR/UV/MS	Ch. 14-15
February 2 to 9	Diene	Ch. 16
February 14 to 23	Aromatic and reactions	Ch. 17 & 18
February 28 to March 9	Ketone and aldehyde	Ch. 19
March 14 to 20	Spring Break, no class	
March 21 to 28	Carbocyclic acid and derivatives	Ch. 20
March 26	Last Day to Withdraw the class	
March 30 to April 6	Carbonyl α -carbon chemistry	Ch. 21
April 11 to 13	Amine	Ch. 22
April 18 to 20	Bioorganic and Organometallic	Ch. 23-26
April 25 to 27	Overview	

The above schedule is meant to be an approximation of when we will cover which chapters. **The topics covered in a specific exam will be announced in class.**

TIPS:

I feel it is essential that you are aware of the large course content in organic chemistry. So **THE PACE IS RAPID!** As a result of the rapid pace you will need to keep up everyday. I suggest the following:

1. Briefly scan the chapter in the text before coming to the lecture. This will acquaint you with terminology, etc.
2. Directly after the lecture attempt to work the problems so as to uncover difficulties.
3. In the quiz sections you can bring up specific problems you are having trouble with. You may have a quiz each discussion section.
4. Remember as you study, to always write out your reactions, structures and answers to the questions. Only in this way will you retain the material. Do this as you read the text also, i.e., work in-chapter problems as you read. If you can't do the problem, then -go back and read the preceding material again.