

CHEM 273
Organic Chemistry II

Fall 2016

Lecture: 8:30-9:20 MWF Phys Sci 217

Instructor: T. Hemscheidt
Bilger 321B

Office Hour: by appointment

Fourth Hour: timing to be discussed in class

This is the second semester of the Sophomore Organic Chemistry sequence and a continuation of CHEM 272. As outlined in the attached schedule we will be discussing spectroscopy (IR, mass spectrometry & NMR) first, then the chemistry of aromatic compounds followed by benzylic and allylic reactivity and aryl halides/phenols. The next big block of chapters discusses of carbonyl chemistry. We then move on to amines and heterocycles and conclude with the basics of pericyclic reactions.

We will be using the Text "Organic Chemistry" 6th edition by G. Marc Loudon. Copies of the sixth edition and the solution manual will be on reserve in Sinclair and available in the Learning Emporium. The solution manual/study guide for the 6th edition contains the solutions to all problems. A fifth edition copy of the Loudon text is ok as well. The study guide for the 5th edition only contains solutions for half the problems. I have posted solutions to all problems in the 5th edition on Laulima under "Resources".

Use of a different text is your option, but I won't provide support for that text or solutions for the problems therein.

We will be devoting roughly three lecture hours per chapter. It is very important that you read ahead before we start a new chapter in lecture. It is not expected that you understand everything you read, but you should have a grasp of where the journey is going in lecture and an idea about what you do not understand so that you can pay special attention.

Especially for the spectroscopy chapters I will be posting materials in the "Resources" folder. You should monitor this folder and bring printouts of these materials to class so that you can annotate the printouts with what I discuss. Later in the semester I will be posting problem sets (synthesis problems and solutions).

Grades will assigned on the basis of three hour exams held at roughly one month intervals and a cumulative Final Exam. The hour exams are worth 100 points each and the Final is worth 200 points. Make sure that you fit your schedule around the exams, **there will be no make-up exams. No exceptions, don't even ask!** Missing the Final will result in a grade of "F".

Grades will be assigned on a 500 point basis. Grade cutoffs will be no stricter than the following:

- A 500-425
- B 424-325
- C 324-225
- D 224-200