

- Text: Organic Chemistry, 7th or 8th edition (Required)
Author: Paula Yurkanis Bruice
Solutions Manual (Strongly Recommended)
I will be following the 8th edition layout.
- Homework: All in-chapter problems (not the end of chapter problems)
- Model Kit: Any approved model kit (Strongly Recommended)
- Calculator: A basic scientific calculator is all that is needed for this course.
Calculators are not allowed on exams unless specified.
- Website: Canvas;
- Class: §50189 M/W 1-2:15 PM
Final Exam: Wed 5/20/2020 1-2:50 PM

Dr. Kawagoe's Office Hours Schedule

Office Hours - in PHY77

M 11:00 AM – 12:30 PM; Tu 11 AM – 12:30 PM; Friday 12 PM – 1 PM

Office hours are screencast live via Zoom (online)

The Zoom links will be posted on Canvas.

Disabled Students Programs Services

Students with disabilities who qualify for academic accommodations must provide a letter from the DSP&S and discuss specific needs with the professor, preferably during the first two weeks of class. DSP&S determines accommodations based on appropriate documentation of disabilities.

Prerequisites and Corequisites

Prerequisite: First semester Organic Chemistry (Chem 28A) with a grade of C or better.

Corequisite: First semester Organic Chemistry Lab (Chem 29B). You may have also completed Chem 29A in a prior semester.

Class Policies

You should read and understand pages 48-51 of your 2018-2019 RC Catalog. These pages outline the college policy and rules regarding Student Conduct, Academic Dishonesty, Attendance, and Withdrawing from College. You are responsible for knowing all that is discussed there.

Attendance Policies

I am required to drop students who do not attend the first day of class. If during the first two weeks of class you miss two consecutive lectures, you will be dropped from the course. Following the first two weeks, if you accumulate four unexcused absences, you will be dropped or your grade will be lowered by one letter grade.

Academic Dishonesty

Cheating will not be tolerated. You will receive an "F" for the course and be reported to the Dean of Students.

Exams

There are four midterm exams. See the lecture schedule for a list of chapters covered on each exam. Exams are cumulative with an emphasis on more recently covered material. The final exam consists of two parts. The final exam will be cumulative.

Grades

Exams	=	100 pt (4 exams)
Homework	=	60 pt
Final	=	200 pt (cumulative)
Total Points	=	660 pt

No exams scores are dropped in calculating your final grade. If you miss an exam, you will receive zero points for that exam. To make up an exam score, you must provide written evidence and a contact name and phone number that I can call to verify the reason for the absence.

Electronic Devices

You may use your electronic devices (defined here as: phones, cameras (video and still), tablets, and computers) for recording lectures and taking notes. Electronic devices are not allowed during exams with the exception of calculators. No electronic devices are allowed during exams (calculators are allowed). If it is determined that you were using an electronic device during an exam, I will treat it as cheating.

Exception: I recognize that you must sometimes be “sitting by your phone” for medical or family emergencies. If that is the case, leave your phone with me during exams and I will notify you when it rings.

Homework

Homework will be assigned by sections covered in lecture. All the problems found in the sections are assigned.

Exam Corrections*

- You will have one week from the day I hand back your exam to submit voluntary corrections.
- Corrections will be done on a separate sheet, not the exam.
- Corrections are required for all the questions that you did not receive full credit.
- Each correction needs to include:
 - the fully corrected answer.
 - Where you made the mistake and why (this needs to be specific, thoughtful, and not flippant).
 - reference to the source of the answer in the text or notes (give date). Do not give the exam key as the source.

What you get: *I will award up to 5% extra credit per exam*

Grades

Grades are rounded to the whole percentage. Grades will be assigned according to the following scale

Grade percentage	
A	100%–89%
B	88%–77%
C	76%–66%
D	65%–54%
F	< 54%

I may adjust the brackets up or down during the semester.

Due Dates

Homework is due at the Exam covering that material.

Homework

Homework is not graded. All the answers are either in your textbook or in the student's solutions manual. You should do all in chapter problems as recommended homework. Some of the work is repetitive, so do not feel obligated to do all the sub parts (i.e. a-z of problem 15 for example). Do as many post-chapter problems as possible.

For example, the homework for Chapter 12 (Radicals) are problems 1-25. In addition, do as many problems from the post chapter problems (26-51) as you can.

Here are the criteria for getting credit.

1. **Work out the problems with pen.**
2. **The work needs to be fairly neat and organized.**
3. **Show your corrections in a different color pen** (you will need the Student's solution manual). We can discuss the solutions manual in class.
4. Turn the homework in *before the exam*. I will flip through what you and me and give you either a credit or no credit grade.

My strong recommendation is that you correct each problem as you do it. This allows you to learn from your mistakes and apply what you learned to the next problem.

Exam Corrections

- You will have one week from the day I hand back your exam to submit corrections.
- Corrections will be done on a separate sheet, not the exam.
- Corrections are required for all the questions that you did not receive full credit.
- Each correction needs to include:
 - the fully corrected answer.
 - Where you made the mistake and why (this needs to be specific, thoughtful, and not flippant).
 - reference to the source of the answer in the text or notes (give date). Do not give the exam key as the source.
- Turn in the exam and corrections. Staple the corrections to the front of the exam.
- A cover page with instructions is posted on Canvas.

What you get: *I will award up to 5% additional credit per exam*

Chem 28B Spring 2020 - Kawagoe Tentative Lecture and Exam Schedule

	Tentative Lecture Schedule	Other notes
Week 1	Structure Analysis	Homework: NMR Hydrocarbon Structure Handout. Additional problems will be handed out during the semester.
Week 2	Ch. 12 – Radical Reactions	Homework for all chapters: All in-chapter problems. Complete at least four parts for each problem. Due at exam day. Show corrections on homework in different color pen.
Week 3	Ch 15 – Reactions of Carboxylic Acid Derivatives (CADs)	Note: We will cover Grignard, Gilman, and Organolithium reagents in this chapter (Chapter 11) as part of the chapter material.
Week 4		
Week 5	Wed: Ch 16 – Aldehydes and Ketones	Monday: Exam 1 (Ch 12, 15, Structure Analysis). For structure analysis, you will be given correlation tables for both NMR, IR, and some additional Mass spec information.
Week 6		
Week 7		
Week 8	Ch 17 – Reactions at the α -carbon	
Week 9		
Week 10	Wed: Ch 18 – Reactions of Benzene and Substituted Benzenes	Monday: Exam 2 (Ch 16, 17, w/ Structure Analysis) – There will be structure analysis problems all semester. These problems will generally add the functional groups covered in the chapter.
Week 11		Note: Chapter 18 was condensed from two chapters in earlier editions. If you have an older copy of the text, I recommend you do the homework from the current edition.
Week 12	Ch 19 – More About Amines	This chapter is like the spare bedroom of organic chemistry. Everything that didn't quite fit anywhere else goes in here.
Week 13		
Week 14	Ch 20 – The organic chemistry of carbohydrates	Exam 3 (Ch 18, 19, w/ Structure analysis)
Week 15	Ch 21 – Amino acids, peptides, and proteins	
Week 16	Ch 25 – The organic chemistry of Lipids	
Week 17		Exam 4 (Ch 20, 21, 25)
Week 18	Final Exam	

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