

CHEM 2542 - ORGANIC CHEMISTRY II LECTURE
Spring 2020
January 15 - May 8, 2020

CLASS TIME:

Mondays, Wednesday, Friday 10:00 AM - 10:50 AM - CHEM 200

INSTRUCTOR:

Dr. Peter Grundt, Office: HCAMS 312

e-mail: pgrundt@d.umn.edu

Office hours: M, W, F 9:30 to 9:50 am, 11:00 to 11:30 am or by appointment

STUDENT LEARNING OUTCOME:

Upon successful completion of the second semester of Organic Chemistry, students will develop good level of understanding of the principles of organic spectroscopy, structure and reactivity of aromatic compounds, structure and chemical transformations of organometallic compounds, aldehydes, ketones, carboxylic acids, derivatives of carboxylic acids, and amines. Students will also learn introductory aspects of bioorganic chemistry and develop a high level of proficiency in solving organic chemistry problems and proposing mechanistic explanation of organic reactions. Student learning outcomes will be measured by online homework, in-class quizzes and exams.

COURSE MATERIALS:

“Organic Chemistry: a Two-Semester Course of Essential Organic Chemistry” by Zhdankin and Grundt

(required). The book is available from UMD Bookstore or can be purchased from

<https://store.cognella.com/81613-1b-007>

“Solutions Manual and Additional Problems for Organic Chemistry” by Grundt, Mereddy, and Zhdankin

(required). This manual can be purchased from <https://store.cognella.com/82138-1b-ni-003>

Additional Material can be found on the course website: <http://www.d.umn.edu/~pgrundt/2542>.

You are expected to visit this page on each day of lecture after 2 pm to check for updates.

PREREQUISITES:

CHEM 2541 (Organic Chemistry I Lecture)

GRADING

Graded Homework (Canvas)

100 pts

Four In-class Quizzes (20 min each)	100 points (4x25 pts)
Three In-class Midterm Exams (50 min each)	300 points (3x100 pts)
Final Exam - ACS Exam - (1 hour 55 min)	<u>210 points</u>
Total	710 points

Note:

- The in-class quizzes and midterm exams are combination of multiple choice and write-in. We will be mostly using Scantron form 883-E. On a given quiz or exam up to 20% of the available points may be write-in. Quizzes and exams will contain material from earlier chapters including material from CHEM 2541.

-The final is an ACS exam is 2-semester exam that covers material from both CHEM 2541 and CHEM 2542.

- There is both non-graded and graded homework in this class. For the non-graded homework you are strongly encouraged to attend lecture, read the textbook AND work through the recommended problems in the textbook or provided by the instructor posted on the course web page (<http://www.d.umn.edu/~pgrundt/2542>). Graded online homework will be periodically posted on Canvas and due dates will be announced in class and/or the course web page. Material covered in lecture and the content of the textbook, the recommended problems and the online homework will be used as templates for the quizzes and exams during the course of the semester.

TENTATIVE EXAM SCHEDULE:

Midterm Exam 1 February 12 (Wednesday), 10:00 to 10:50 am

Midterm Exam 2 March 18 (Wednesday), 10:00 to 10:50 am

Midterm Exam 3 April 15 (Wednesday), 10:00 to 10:50 am

Final Exam (ACS standardized exam, **covers both Organic I and Organic II**) Time and Date to be announced

TENTATIVE QUIZ SCHEDULE:

January 29 (Wednesday), February 26 (Wednesday), April 1 (Wednesday), April 29 (Wednesday); 10:30 to 10:50 am

The University of Minnesota Duluth policies related to teaching and learning apply for this course. For details see: www.d.umn.edu/academic-affairs/academic-policies

Access for Students with Disabilities: It is the policy and practice of the University of Minnesota Duluth to create inclusive learning environments for all students, including students with disabilities. If there are aspects of this course that result in barriers to your inclusion or your ability to meet course requirements please notify the instructor as soon as possible. You are also encouraged to contact the Office of Disability Resources to discuss and arrange reasonable accommodations. Please call 218-726-6130 or visit the DR website at www.d.umn.edu/access for more information.

UMD is committed to providing a positive, safe, and inclusive place for all who study and work here. A central mission of the university is to educate students through the offering of courses and programs leading to the conferral of degrees. Teaching and learning at the university take place in a variety of educational settings including on-campus lecture halls and classrooms, laboratories, field sites, and online. Instructors and students have mutual responsibility to ensure that the environment in all of these settings supports teaching and learning, is respectful of the rights and freedoms of all members, and promotes a civil and open exchange of ideas. Making hostile, threatening, discriminatory or disparaging remarks toward or about the instructor, other members of the class or groups of people will not be tolerated.