Instructor: Armen Zakarian

Text: "Organic Chemistry", 8th edition by P. Y. Bruice [other editions may be suitable]

Meeting Info: MWF 8:00-8:50 am, HFH 1104

Website: https://labs.chem.ucsb.edu/zakarian/armen/courses.html

Homework: Homework assignments are listed in the syllabus and/or will be distributed in class. They are not to be turned in.
The answers to all problems are in the Solutions Manual.
There are practice tests at the end of each chapter in the Solutions Manual that might be helpful. The answers are in the back of the Solutions Manual.

BRING A PICTURE ID TO ALL MIDTERMS AND EXAMS

Midterms: Wednesday, October 16
Monday, November 4
Wednesday, November 20

Final Exam: Friday, December 13, 8:00 – 11 am, room HFH 1104 (same room)

One midterm with the lowest score will be dropped. If there is any reason that you are unable to take a midterm, that one will be your "drop." In cases where your attendance is required at a University-sponsored event (e.g., field trips, intercollegiate athletic events, etc.), your required absence on the day of the scheduled midterm must be verified by a letter from your professor or coach that include their contact information.

THERE WILL BE NO MAKEUP MIDTERMS OR FINALS

Grading:

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>85-100%</td>
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<tr>
<td>B</td>
<td>75-84.9%</td>
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<td>C</td>
<td>60-74.9%</td>
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<tr>
<td>D</td>
<td>45-59.9%</td>
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Total max. 500

Office Hours: Monday, Wednesday, 2:00-2:45 pm
Office: Chemistry, Room 2217
E-mail: zakarian@chem.ucsb.edu (Subject: 109C should be used if response expected)
Phone: 893-3317
1. Homework Problems are not graded but are required for success. They are strongly recommended, some may appear in graded tests.
2. Compete answers to all the problems are in the Solutions Manual.
3. Each chapter contains at least one box labeled “Problem-Solving Strategy”; the problem that follows it allows you to try the strategy. Pay close attention to these.

Chapter 20
The Organic Chemistry of Carbohydrates
Sections 20.1 - 20.12, 20.14 – 20.18
Problems 1 - 33
Representative end-of-chapter problems 34-38, 40, 48, 49

Chapter 21
Amino Acids, Peptides, Proteins
Sections 21.1 - 21.17
Problems 1-48
Representative end-of-chapter problems 49-56, 58-63

Chapter 22
Catalysis in Organic Reactions and Enzymatic Reactions
Sections 22.1 - 22.9, 22.10, 22.12
Problems 1 - 17
Representative end-of-chapter problems 29-36, 38-46

Chapter 23
The Organic Chemistry of Coenzymes, Vitamins
Sections 23.1 - 23.8
Problems 1 - 23
End-of-chapter problems 24-38

Chapter 24
The Organic Chemistry of the Metabolic Pathways
Sections 24.1 - 24.10
Problems 1 - 21
End-of-chapter problems 25-54

Chapter 25
The Organic Chemistry of Lipids
Sections 25.1 - 25.10 (tbd)
Problems 1 - 30
End of chapter problems 31-49

Chapter 26
The Chemistry of Nucleic Acids
Sections 26.1 - 26.13
Problems 1 - 17
End-of-chapter problems 18 - 30

Optional reading for general education: Chapter 27, Synthetic Polymers