

Textbook:

(1) *Organic Chemistry* Fifth Edition by Paula Yurkanis Bruice

(2) *Lehninger Principles of Biochemistry*, Fourth Edition, by David L. Nelson and Michael M. Cox; W. H. Freeman and Company; New York

Topics

1. Amino Acids, Peptides, and Proteins
2. Carbohydrates
3. Catalysis
4. Lipids
5. Nucleosides, nucleotides, and nucleic acids
6. Coenzymes: Compounds Derived from Vitamins
7. Metabolic Pathways
8. Synthetic Polymers and Optoelectronic Materials
9. Pericyclic Reactions
10. Drugs: Discovery and Design
11. Biological Membranes and Transport

1st mid-term exam: April 6 (Wednesday)

2nd mid-term May 15 (Wednesday)

Final exam: June 20 (Monday)