

Chem 101 - General Chemistry
Spring Session, 2020
A Survey of Organic Chemistry and Biochemistry

Instructor: Dr. [Name]
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Office hours: 4:30 Monday, Room 101

Lecture: 28
Lab: [Name]

Prerequisites: CHEM 101
permission of [Name]

Required Course Material: Text Book: [Name], 11th edition (authors [Name], [Name])
also required for this course and should be purchased.

biological systems, this course bridges the gap between a general chemistry course and biochemistry. Students of health-related fields will find this course particularly interesting and relevant. The central role of biochemistry in the study of life is emphasized throughout the course.

Learning Goals and Outcomes:

- A. Build knowledge of human institutions, sociocultural processes, and the relationship between the natural and social sciences.
 - Write organic nomenclature structures
 - Identify functional groups
 - Identify isomers
 - Describe functions of proteins, lipids, and lipids
 - Define nucleotide synthesis and DNA
 - Understand the synthesis of [Name]
- B. Develop critical and creative thinking and problem-solving skills.
 - Observe the complexity of biological systems
 - Understand the relationship between social health and the environment
 - Understand One Health

Course Outline

Week	Class	Topic
1	10	Synabus
1	10	Organic Chemistry
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2	14	Alcohols
2/3	14/15	Alcohols
		Exam 1
4	16	Amines
5	20	Carbohydrates
6	21	Lipids
		Exam 2
7	22	Proteins
8	23	Enzymes
		Exam 3
9	24	Chemical Equilibrium
10	25	Nucleic Acids
11	26	Enzymes
		Exam 4
13	27	Metabolism
12	25	Enzymes
14	26	Substrates
14	28	Urea Cycle and Ammonia
15	29	Biochemical Pathways
15	29	Fatty Acid Biosynthesis
15	30	Essential Amino Acids and Nitrogen
16	30	Protein Synthesis

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You may contact the Office of Health and Counseling Services.

Student personnel statement, Bureau of
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resources, Department of
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protections. As a result of this
misconduct, you are required to
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protections and services statement. Every
volunteers, services, and
accommodations. Statement of
protections. A sex abuse incident on a victim's field as a child and the
resources