

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

Instructor: Dr. [Name]  
Office: 246 West Pkwy. (WPA 13)  
Phone: 474-7525  
Email: [Email]  
Office Hours: 4:30 Monday, Room 104

Lecture: 28  
Lab: [Name]

Prerequisites: CHEM 101 and ENGL 101  
permission of [Name]

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

This course is designed to bridge the gap between a general chemistry course and a biochemistry course. It covers the central role of biochemistry in the science of life and the human body. This course is recommended for students interested in the central role of biochemistry in the human body.

**Learning Goals and Outcomes:**

- A. Build knowledge of human institutions, sociocultural ones, and understand the role of natural and social sciences.
  - Write organic nomenclature structures
  - Identify functional groups
  - Identify isomers
  - Describe functions of proteins, carbohydrates 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

### Laboratory

class. Projects are available to students who are interested in research.

### UAE Attendance Policy

You are responsible for conferring with your instructor on any absences and for arranging to make up missed work.

### Support Services

Online support services are available through the online library, writing center, and career center. Additional services are available through Student Support Services (<http://www.uaf.edu/ssss>).

### Disabilities

We will work with the Office of Disability Services (<http://www.uaf.edu/dis>) to provide accommodations for students with disabilities. Contact the instructor to provide a written request.

### Cheating

Cheating in any form is strictly prohibited. Any student caught cheating will be removed from the course. The Department of Biology & Biochemistry reserves the right to investigate any labs as cheating. Academic dishonesty will be reported to the appropriate authorities.

### Amending this Syllabus

The instructor may make changes to this syllabus. Any changes will be clearly communicated in written form to your UAE e-mail account and posted on Blackboard.

### Grading

Lab	100 points
Exams (4)	400 to 400 (100 points each)
Final Exam	100 points
Total	500 points

### Comments

Letter Grade	Percentage Grade
A+	95 - 100
A	90 - 94
A-	89
B+	85 - 88
B	80 - 84
B-	78
C+	75 - 77
C	70 - 74
C-	69
D+	65 - 68
D	60 - 64

Week	Class	Topic
1	10	Synabus
1	10	Organic Chemistry
1	10	Organic Chemistry
2	14/15	Alcohols
		Exam 1
4	16	Amines
5	20	Carbohydrates
6	21	Lipids
		Exam 2
7	22	Enzymes
8	23	Enzymes
		Exam 3
9	24	Chemical Equilibrium
10	25	Nucleic Acids
11	26	Enzymes
		Exam 4
13	27	Metabolism
12	28	Metabolism
14	28	Metabolism
14	28	Metabolism
15	29	Metabolism
15	29	Metabolism
15	29	Metabolism
15	30	Metabolism
16	30	Metabolism

**Title IX Protection**

University of Illinois at Chicago (UIC) is committed to providing a safe and healthy learning environment for all students. Harassment and violence will not be tolerated on any campus of the University. If you believe you are experiencing or discriminating against someone based on race, ethnicity, gender, or sexual orientation, you are encouraged to report this behavior. If you disclose an incident of harassment or violence, you will be treated confidentially. You must notify the UIC Title IX Coordinator if you are the victim of an incident.

You may contact the Health and Counseling Center for support.





You may access support at 474-7599.

You may file a complaint by...

**Student Protections**

Every qualified student who has a disability... accommodations. Students at this university... discrimination... informed... authorities. For more information on your rights... and the resources available to you to resolve problems, please...

Admission Student Services...  
Military and Veteran Services: <https://uaf.edu/military>  
UAF Writing Center: <http://uaf.edu/writingcenter>

**Office of Diversity and Equal Opportunity**

University of Alaska... Regents have clearly stated... believe you... harassment... sexual harassment or sexual violence to a faculty member or any university employee... must notify the... disclosure include:

1. You may confidentially disclose... UAF Health and Counseling Center at 474-7042.
2. You may access support at... UAF Title IX Coordinator at...
3. You may file a formal... by contacting the University Police Department at 7721.

