



BIOL 1110: General Biology I

2021 Winter Session	
Total Class Sessions: 25 Class Sessions Per Week: 6 Total Weeks: 4 Class Session Length (Minutes): 145 Credit Hours: 4	Instructor: Staff Classroom: TBA Office Hours: TBA Language: English

Course Description:

Through this course, students will build a fundamental knowledge of biology, including biochemistry, cell structure, function and membranes, metabolism, respiration and photosynthesis, heredity and human immunology, development and evolution of life. Students' investigative skills for research basis will be developed.

Course Materials:

Campbell Biology, Reece, 10th Edition

Course Format and Requirements:

Lectures:

Students should do the assigned readings before coming to the lectures. During some of the lectures there will be in-class discussions, with two or three students discussing the problem together for a few minutes before discussing the problem as a whole class. An active participation in lecture will help a student to better understand the material and prepare for exams.

Course Assignments:

Homework Assignment

Homework assignment is a individual work. It will cover the key points and concepts in each lectures. The answers of Homework question will be posted in next class by instructor. As a result, each students shall submit his/her individual answer before the beginning of next Class.

Exams:

The quizzes will be multiple choices. There will be 6 quizzes among the whole semester. The quizzes will be based on lecture material.
No make-up quizzes will be given.

Exams (Two Midterm Exams and a Final Exam):

Exams are a combination of multiple choice, short answer questions and true/false questions. Only the final exam is cumulative. Students are responsible for all notes in posted lecture presentations and material discussed in lecture. The textbook is a critically important supplement



to your learning and will enhance understanding of material presented in lecture. There are no makeup exams or re-scheduling of exams.

Course Assessment:

Homework Assignment	15%
6 Quizzes	15%
Midterm Exams 1	20%
Midterm Exams 2	20%
Final Exam	30%
Total	100%

Grading Scale (percentage):

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	F
98-100	93-97	90-92	88-89	83-87	80-82	78-79	73-77	70-72	68-69	63-67	60-62	<60

Academic Integrity:

Students are encouraged to study together, and to discuss lecture topics with one another, but all other work should be completed independently.

Students are expected to adhere to the standards of academic honesty and integrity that are described in the Chengdu University of Technology's *Academic Conduct Code*. Any work suspected of violating the standards of the *Academic Conduct Code* will be reported to the Dean's Office. Penalties for violating the *Academic Conduct Code* may include dismissal from the program. All students have an individual responsibility to know and understand the provisions of the *Academic Conduct Code*.

Special Needs or Assistance:

Please contact the Administrative Office immediately if you have a learning disability, a medical issue, or any other type of problem that prevents professors from seeing you have learned the course material. Our goal is to help you learn, not to penalize you for issues which mask your learning.

Course Schedule:

Week	Topics	Activities
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1.	Go through syllabus Course overview A Chemical Connection to Biology Water and life Carbon and The molecular Diversity of Life Structure and Molecular of Large Biological Molecules Basic Introduction to Cells Cell Structure and Functions	Homework Assignment Quiz 1 Quiz 2
2.	Membrane Structure and functions Metabolism Cellular Respiration Photosynthesis Cellular Signaling Cell cycle and division	Homework Assignment Quiz 3 Midterm 1
3.	Meiosis and Sexual Life Cycles Genetics: Mendel's laws Genetics: Beyond Mendelian Basics of Inheritance Gene Expression and Regulation	Homework Assignment Quiz 4 Midterm 2
4.	Viruses, Genomes and Their Evolution A Darwinian View of Evolution The Evolution of Populations The Origin of Species and History of Life Course Summary	Homework Assignment Quiz 5 Quiz 6 Final exam