



BIO 110 Introduction to Biochemistry Major

Fall 2023

Course Credits: 4

Contact Hours: 56 hours

Instructor: TBA

Email: TBA

COURSE OBJECTIVES

This course serves as an introductory guide to the Biochemistry major, offering students a comprehensive understanding of this dynamic field at the intersection of biology and chemistry. It explores the fundamental principles, key topics, and the broader significance of biochemistry in various scientific and practical contexts. Additionally, it provides insights into potential career pathways and opportunities within the Biochemistry major.

Upon Completion of this Course, students will be able to:

1. Define and describe the scope of Biochemistry as an interdisciplinary science;
2. Explore the core topics and concepts covered in Biochemistry courses;
3. Identify potential career paths and applications of a Biochemistry major;
4. Gain awareness of resources available for academic and career support within the field.

PREREQUISITES

None

GRADING

Grades will be determined by accumulating points, with 100 points being the maximum, as follows:

ITEM	POINTS
3 Assignments	60 Points
Final Exam	40 Points



Total

100 Points

Late submissions will be graded at the end of the course. Grades will be assigned according to the following rule:

$A \geq 90 > B \geq 80 > C \geq 70 > D \geq 60 > F$.

We reserve the right to make adjustments to the overall grading policy.

COURSE MATERIALS

Required Texts:

None.

Recommended (Optional) Texts or Other Materials:

All course materials will be provided via the course Moodle site.

COURSE TOPICS

MODULE	TASKS
Module 1	Topics: Topic 1: Course Introduction Topic 2: Core Concepts in Biochemistry Topic 3: Course Requirements and Sequence in the Biochemistry Major Topic 4: Laboratory Techniques Assessments: Assignment #1
Module 2	Topics: Topic 5: Year 1: Foundations and General Education Topic 6: Year 2: Core Biochemistry Courses Begin Topic 7: Year 3: Advanced Biochemistry and Electives Topic 8: Year 4: Specialization and Research Assessments: Assignment #2
Module 3	Topics: Topic 9: Academic Research Topic 10: Academic Advising and Support Services Topic 11: Research Opportunities and Internships Topic 12: Hot Topics in Biochemistry Assessments: Assignment #3



Module 4	<p>Topics: Topic 13: Academic and Career Goals Topic 14: Career Development Center Topic 15: Resume and CV Topic 16: Effective Communication and Networking Skills</p> <p>Assessments: Final Exam</p>
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ATTENDANCE

1) Class attendance is required. Missing classes without permission will lead to decrease in overall grade.

Missing less than two classes: no penalty.

Missing more than two classes: 7% will be taken off from the overall grade.

If the instructor reports a student's frequent missing of class to the Soochow University Academic Administration Office, the student might get a written warning and might be prohibited from attending final exam.

2) Participants in this course are expected to arrive in class promptly and adequately prepared. The primary objective of this course is to critically engage with the readings and the subject matter. Therefore, course participants are expected to have completed the reading prior to class and prepare thoughtful reflections/commentaries to share with fellow colleagues.

LEARNING REQUIREMENTS

- 1) Late assignments are not acceptable and are subjected to grade deductions.
- 2) Assignments submitted in the wrong format will be counted as not submitted.
- 3) Failure to submit or fulfill any required course component results in failure of the class.
- 4) Make-up for midterm and final exams only with valid excuses, as defined by the University.
- 5) In order to earn a Certificate of Completion, participants must thoughtfully complete all assignments by stated deadlines and earn an average quiz score of 50% or greater.

TECHNOLOGY POLICY



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The use of electronic devices in class is distracting, both for the user and for the rest of the class. Only non-programmable calculators can be used in the tests and exam. Any attempts to use cell phones and other electronic communication devices will be deemed as cheating. Laptops are discouraged, unless you use them for activities DIRECTLY related to the course (eg., note taking, reading course documents).

ACADEMIC INTEGRITY POLICY

Soochow University highly values the academic integrity and aims to promote the academic fairness, honesty and responsibility. Any academic dishonesty behaviors and any attempts to cheats and plagiarism will be reported to the university administration office. A written warning and the relevant penalties will be imposed. The record might be shown on the official university transcript.

DISABILITY ACCOMMODATION

Soochow University is committed to maintaining a barrier-free environment so that students with disabilities can fully access programs, courses, services, and activities at Soochow University. Students with disabilities who require accommodations for access to and/or participation in this course are welcome.

Note:

Please contact the University 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.