

BCH 361: Principles of Biochemistry - Fall 2021

Time: Tue/Thr, 1:30 - 2:45 PM

Location: PSH-152

SLN: 75140

Instructors: Dr. Xu Wang, Associate Professor

E-mail: (xuwang@asu.edu)

Instructor Office Hours: M/W, 4:00 - 5:00 PM Via Zoom (<https://asu.zoom.us/j/5623179543>).

Teaching Assistant: Hoa Nguyen (htnguy49@asu.edu)

TA Office Hours: Hoa Nguyen, T: 8:00 – 10:00 am, <https://asu.zoom.us/j/3292335439>

Pre-requisite(s): CHM 231 with a grade of C or better.

Co-requisite(s): CHM 234 or CHM 334 with a grade of C or better if completed.

Recommended Textbook: *Biochemistry: A Short Course 4th Edition* (9781319114633) by Tymoczko (2019) Freeman and Co. Hardcover OR Loose Leaf OR Digital. **Please** purchase the on-line Achieve homework separately (see below).

Online Achieve Homework (Required): Homework will be given online through Achieve. For information on signing up please see the Getting Started Guide for Students (<https://macmillan.force.com/macmillanlearning/s/article/Achieve-Getting-Started-Guide-for-Students>). The course ID is **4vsnhc** (BCH361 Fall 2021 – Wang, Tempe). Unfortunately, you will need to pay an additional \$48.00.

Technology Requirement: To access online materials and complete Achieve assignments, you will need (1) a PC or Apple laptop or desktop; (2) a reliable internet connection.

If you are not able to personally finance the equipment, ASU has a laptop and WiFi hotspot checkout program available through [ASU Library](#). Any currently enrolled ASU student is eligible to checkout a laptop. The current availability of laptops can be found [here](#). Laptops are lent on a first-come, first-serve basis, and cannot be reserved in advance. They can be returned at anytime, but will be due at the conclusion of the spring 2021 semester. Rentals are limited to one laptop per student. Laptops are available for checkout at the following libraries on all four campuses ([Please check online for current library hours](#)). Return laptops to any ASU Library Information Desk (not at the drop box or other location). [Refer to ASU Library Computer Use Policy and ASU Computer, Internet, and Electronic Communications Policy](#).

- Downtown Phoenix campus Library
- Polytechnic campus Library
- Tempe: Hayden and Noble Libraries
- West campus: Fletcher Library

Other required technologies include Web browsers ([Chrome](#), [Mozilla Firefox](#), or [Safari](#)); [Adobe Acrobat Reader](#) (free); Microsoft Office ([Microsoft 365 is free](#) for all currently-enrolled ASU students).

ASU Canvas Websites: Information about the course including announcements, lecture powerpoint slides and grades can be accessed through **ASU Canvas** <https://asu.instructure.com> and connecting to this course 2021Fall-T-BCH361-75140. Your ASU courses can be accessed by both my.asu.edu and asu.instructure.com; bookmark both in the event that one site is down. The slack workspace for the course is at asu-2217-bch361-75140.slack.com.

Lecture Notes: Lecture slides will be posted prior to the class on the class's Canvas website in the Modules folder.

Recorded lectures: The recorded lectures will be uploaded to the Modules folder after each lecture for those who are unable to attend the class.

(Optional) In-class quizzes: There will be in-class quizzes given from time to time to assess your understanding of the concept covered. These quizzes are optional and counted as extra credit. Each student may only receive up to 60 points, which will be worth 2 % of your final grade. Quizzes will be conducted using iClicker. Please see the iClicker registration on Canvas for more information. The use of iClicker will be free.

Exams: The exams will be administrated in person during the scheduled times.

Grading Policy:

- Online Homework (20%)
- Exam 1 (20%)
- Exam 2 (20%)
- Exam 3 (20%)
- Exam 4 (20%) [not a comprehensive exam]

Grade	%
A+	97 to 100
A	90 to <97
A-	85 to <90
B+	80 to <85
B	75 to <80
B-	70 to <75
C+	65 to <70
C	60 to <65
D	50 to <60
E	<50

Dates	Tuesday	Thursday
Aug 19		Chapter 1
Aug 24, 26	Chapter 2	Chapter 3
Aug 31, Sep 02	Chapter 4	Chapters 6-8
Sep 07, 09	Chapters 6-8	Chapters 10,14, 15
Sep 14, 16	Exam 1 (Chapters 1-4, 6-8)	Chapter 16
Sep 21, 23	Chapter 17	Chapter 18
Sep 28, 30	Chapter 19	Chapter 20
Oct 05, 07	Exam 2 (Chapters 15-20)	Chapter 21
Oct 12, 14,	No class	Chapter 24
Oct 19, 21	Chapter 25	Chapter 26
Oct 26, 28	Chapters 11,27	Chapter 28
Nov 02, 04	Exam 3 (Chapters 21-28)	Chapter 33
Nov 09, 11	Chapter 34	No class
Nov 16, 18	Chapter 36	Chapters 37-38
Nov 23, 25	Chapters 39-40	No class
Nov 30, Dec 2	Chapters 39-40	Exam 4 (Chapters 33-34, 36-40)

Academic Integrity: "Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, course failure (indicated on the transcript as a grade of E), course failure due to academic dishonesty (indicated on the transcript as a grade of XE), loss of registration privileges, disqualification and dismissal. For more information, see <https://provost.asu.edu/academicintegrity>."

Student Success

To be successful:

- check the course daily
- read announcements
- read and respond to course email messages as needed
- complete homework assignments by the due dates specified
- communicate regularly with your instructor and peers

- create a study and/or assignment schedule to stay on track
- access [ASU Student Resources](#)

Community Forum

This course uses a Slack work space to facilitate communication and discussion among students. All enrolled students should be a mem.

Attendance

Attendance and participation in class activities is an essential part of the learning process, and students are expected to attend class regularly. Some absences are, however, unavoidable. Excused absences for classes will be given without penalty to the grade in the case of (1) a university-sanctioned event [ACD 304-02]; (2) religious holidays [ACD 304-04; a list can be found here <https://eoss.asu.edu/cora/holidays>]; (3) work performed in the line-of-duty according [SSM 201-18]; and (4) illness, quarantine or self-isolation related to illness as documented by a health professional.

Anticipated absences for university-sanctioned events, religious holidays, or line-of-duty activity should be communicated to the instructor by email at least five work days before the expected absence.

Absences for illness, quarantine or self-isolation related to illness should be documented by a health professional and communicated to the instructor as soon as possible by email.

Excused absences do not relieve students from responsibility for any part of the course work required during the period of absence. Recordings of lectures will be available to all who cannot attend.

Email

ASU email is an [official means of communication](#) among students, faculty, and staff. Students are expected to read and act upon email in a timely fashion. Students bear the responsibility of missed messages and should check their ASU-assigned email regularly. Email questions of a personal nature to your instructor. You can expect a response within 12 hours. ***All instructor correspondence will be sent to your ASU email account.***

Disclaimer

The syllabus is a statement of intent and serves as an implicit agreement between the instructor and the student. Every effort will be made to avoid changing the course schedule but the possibility exists that unforeseen events will make syllabus changes necessary. Remember to check your ASU email and the course site often.

Student Accessibility and Inclusive Learning Resources

Students who feel they will need disability accommodations in this class but have not registered with the Student Accessibility and Inclusive Learning Services (SAILS) should contact SAILS immediately. The SAILSTempe office is located on the first floor of the Matthews Center Building. DRC staff can also be reached at: (480) 965-1234 (V) or (480) 965-9000 (TTY). For additional information, visit: <https://eoss.asu.edu/accessibility>.

Reporting Title IX Violations

Title IX is a federal law that provides that no person be excluded on the basis of sex from participation in, be denied benefits of, or be subjected to discrimination under any education program or activity. Both Title IX and university policy make clear that sexual violence and harassment based on sex is prohibited. An individual who believes they have been subjected to sexual violence or harassed on the basis of sex can seek support, including counseling and academic support, from the university. If you or someone you know has been harassed on the basis of sex or sexually assaulted, you can find information and resources at <https://sexualviolenceprevention.asu.edu/faqs>.

Policy on Sexual Discrimination

Arizona State University is committed to providing an environment free of discrimination, harassment, or retaliation for the entire university community, including all students, faculty members, staff employees, and guests. ASU expressly prohibits [discrimination](#), [harassment](#), and [retaliation](#) by employees, students, contractors, or agents of the university based on any protected status: race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, and genetic information.

As a mandated reporter, I am obligated to report any information I become aware of regarding alleged acts of sexual discrimination, including sexual violence and dating violence. ASU Counseling Services, <https://eoss.asu.edu/counseling>, is available if you wish discuss any concerns confidentially and privately.

Copyrighted Materials

Students must refrain from uploading to any course shell, discussion board, or website used by the course instructor or other course forum, material that is not the student's original work, unless the students first comply with all applicable copyright laws; faculty members reserve the right to delete materials on the grounds of suspected copyright infringement.

COVID-Related Protocols

If you tested positive for COVID, the current process is as follows:

1. Contact ASU Student Health 480-965-3349, <https://eoss.asu.edu/health>
2. Report to a faculty member, who will email the student's name and ASU ID# to deanofstudents@asu.edu
3. Contact Exposure Management 480-727-6517, <https://cfo.asu.edu/exposure-management>

Exposure Management Guidelines:

- **Close contact:** This is defined as a person who has been within 6 feet of a person with COVID-19 for a cumulative total of 15 minutes or more over 24 hours OR who had physical contact with a person with COVID-19.
- **Discontinuation of isolation:** Symptom-based guidance can be used to determine the date it is safe to end separation practices. Students and employees must demonstrate that they have met the following criteria set by the Maricopa County and state health departments to return to campus: at least 10 days since symptoms first appeared, at least 24 hours with no fever without fever-reducing medication, and Symptoms have improved.
- As part of discontinuing isolation, employees must call the Employee Wellness Exposure Management team for further instructions and verify medical documentation. Providers will clear students who are under ASU Health Services care. Students may also provide a letter from an outside medical provider to ASU Health Services for verification and approval.
- If you have never had any COVID-19-related symptoms, but you did test positive, you may return to campus 10 days following your test date.