

Welcome to BILD1- The Cell!

Week	Monday lecture	Tuesday lecture	Wednesday lecture	Thursday lecture
1	June 29 Intro to class/ The chemical content of life Ch. 2	June 30 Inorganic & organic compounds Ch. 3-4	July 1 Macromolecules Ch. 5	July 2 Bioenergetics Ch. 8
2	July 6 Enzymes Ch. 8-9	July 7 Metabolism Ch. 9	July 8 Photosynthesis Ch. 10	July 9 Exam 1
3	July 13 Organization of the cell Ch. 6	July 14 Membrane structure & function Ch. 7	July 15 Cell Signaling Ch. 11	July 16 Cell Cycle/Cancer Ch. 12
4	July 20 Mitosis/Meiosis Ch. 12-13	July 21 Genetics I Ch. 14	July 22 Genetics II Ch. 15	July 23 Exam 2
5	July 27 DNA / DNA Replication Ch. 16	July 28 DNA Replication / RNA / Transcription Ch. 16-17	July 29 Transcription and Translation Ch. 17	July 30 Regulation of gene expression Ch. 18

BILD1- The Cell
Summer Session I 2020
Lectures: MTWTh 2:00 PM - 3:20 PM

Instructor: Stephanie Alfonso, PhD
Office Hours: Zoom meeting, Tue-Wed 3:20-4:15 PM
salfonso@ucsd.edu

I will do my best responding to emails that require short answers. For questions that require explanations or urgent answers, please see me in my office hours—I am more than happy to answer your questions then.

IA/TA	Section & OHs
Maria Yurievna Omelchenko, momelche@ucsd.edu	announced on Canvas
Swappi Mittal, swmittal@ucsd.edu	announced on Canvas
Casey Cheng, c2cheng@ucsd.edu	announced on Canvas
Xinyi Yang, xiy229@ucsd.edu	announced on Canvas

Course Description:

An introduction to cellular structure and function, to biological molecules, bioenergetics, to the genetics of both prokaryotic and eukaryotic organisms, and to the elements of molecular biology. Recommended preparation: prior completion of high school- or college-level chemistry course.

Course Materials and Tools:

Recommended textbook
Campbell Biology, 11th edition by Urry, Cain, Wasserman, Minorsky and Reece, Pearson Education Inc.

Class website: Canvas

How the course will be taught

Sections serve as an opportunity to get clarification on topics covered in lecture. All lecture slides will be posted on the website and are available for download. *All educational sessions (classes, sections, etc) will be recorded and made available asynchronously.*

Grading Information:

Category	% of Grade
Exams X 2	50
Final Exam	50
	100

Exams:

Will be available at the day/time scheduled and will have a time limit. There will be two exams and one final exam. Students must complete exams independently (no partners or teams). Make-up exams will only be offered to students who have extenuating circumstances such as a medical or family emergency (subject to instructor approval).

Final exam – Friday 7/31/20 3:00-5:59 PM

Extra Credit:

Extra credit opportunities are available within each assessment.

Academic Integrity:

Cheating and plagiarism will not be tolerated. For more information regarding the definition and consequences of cheating, please consult the following university resource on academic integrity <https://students.ucsd.edu/academics/academic-integrity/index.html>.

Disability Access:

Students requesting accommodations for this course due to a disability must provide a current Authorization for Accommodation (AFA) letter issued by the Office for Students with Disabilities (OSD) which is located in University Center 202 behind Center Hall. Students are required to present their AFA letters to Faculty (please make arrangements to contact me privately) and to the OSD Liaison in the department in advance so that accommodations may be arranged.

Contact the OSD for further information:

858.534.4382 (phone)

osd@ucsd.edu (email)

<http://disabilities.ucsd.edu> (website)

Title IX Compliance:

The Office for the Prevention of Harassment & Discrimination (OPHD) provides assistance to students, faculty, and staff regarding reports of bias, harassment, and discrimination. OPHD is the UC San Diego Title IX office. Title IX of the Education Amendments of 1972 is the federal law that prohibits sex discrimination in educational institutions that are recipients of federal funds. Students have the right to an educational environment that is free from harassment and discrimination.

Students have options for reporting incidents of sexual violence and sexual harassment. Sexual violence includes sexual assault, dating violence, domestic violence, and stalking. Information about reporting options may be obtained at OPHD at (858) 534-8298, ophd@ucsd.edu or <http://ophd.ucsd.edu>. Students may receive confidential assistance at CARE at the Sexual Assault Resource Center at (858) 534-5793, sarc@ucsd.edu or <http://care.ucsd.edu> or Counseling and Psychological Services (CAPS) at (858) 534-3755 or <http://caps.ucsd.edu>.

Students may feel more comfortable discussing their particular concern with a trusted employee. This may be a faculty member, department Chair, or other University official. These individuals have an obligation to report incidents of sexual violence and sexual harassment to OPHD. This does not necessarily mean that a formal complaint will be filed. If you find yourself in an uncomfortable situation, ask for help.

Health and Well-being:

Throughout your time at UC San Diego, you may experience a range of issues that can negatively impact your learning. These may include physical illness, housing or food insecurity, strained relationships, loss of motivation, depression, anxiety, high levels of stress, alcohol and drug problems, feeling down, interpersonal or sexual violence, or grief.

These concerns or stressful events may lead to diminished academic performance and affect your ability to participate in day-to-day activities. If there are issues related to coursework that are a source of particular stress or challenge, please speak with me, [Professor's Name], so that I am able to support you. UC San Diego provides a number of resources to all enrolled students, including:

Counseling and Psychological Services (858-534-3755) | caps.ucsd.edu)

Student Health Services (858-534-3300) | studenthealth.ucsd.edu)

CARE at the Sexual Assault Resource Center (858-534-5793 | care.ucsd.edu)

The Hub Basic Needs Center (858-246-2632) | basicneeds.ucsd.edu)

We care about you at UC San Diego, and there is always help available.

How to succeed in this class

Serious engagement with the material will lead to significantly higher gains in class. Be proactive, reach out and get help! If you are having trouble with any part of the course material, talk to me or the IA and come to our office hours. Please don't wait! We care about the success of each and every student and we want to help.

Critical thinking is hard. Work with your classmates or form a study team, and put your collective intelligence to work. Don't be discouraged if you don't understand everything: you are here to learn. Plan ahead. If you anticipate that you'll need help with assignments or with exam prep, allow yourself enough time to attend office hours and get your questions answered. Attend classes and sections. It takes time to build up knowledge and skills, don't leave it to the last minute. Cramming the night before the exam will not work in this class.

Good luck! We want all of you to succeed