

# **BILD1 (The Cell) Syllabus Summer Session 1 2016**

## **Course Description**

Welcome to BILD1! During this class, you will be introduced to the concepts of molecular and cellular biology that allow the smallest unit of life – the cell – to function.

## **Learning Outcomes**

After completing BILD1, you should be able to:

1. Describe how the structure of \_\_\_\_\_ (molecules, organelles, cells, etc.) relates to their function using specific examples.
2. Give specific examples of how evolution has shaped how cells are structured and/or how they function.
3. Illustrate/describe how energy is generated and consumed by a cell.
4. Describe how biological information is encoded and translated.
5. Give experimental evidence that supports our understanding of biological concepts, and predict the outcome of experiments based on what we already know.

## **Textbook**

Campbell Biology in Focus, Urry, Cain, Wassermann, Minorsky, Jackson, and Reese, Pearson (2014). This textbook will be available for purchase at the UCSD Bookstore.

## **Instructor**

Jenna Hicks ([jrichter@ucsd.edu](mailto:jrichter@ucsd.edu))

Office Hours: 9:30 – 10:30 AM Tuesday and Wednesday in the Humanities and Social Sciences Building, room 1145L.

## **Lectures**

Ledden Auditorium (Muir College, Humanities and Social Sciences Building) from 8:00 – 9:20 AM, Monday, Tuesday, Wednesday, and Thursday.

(Note: we will not have class on Monday, 7/4/16, which is a university holiday)

## **Instructional Assistants**

Christina Gee ([cgee@ucsd.edu](mailto:cgee@ucsd.edu))

Jun Kyoung ([jkyoung@ucsd.edu](mailto:jkyoung@ucsd.edu))

Andrew Kim ([amk008@ucsd.edu](mailto:amk008@ucsd.edu))

See the class website for times and location of discussion sections and office hours held by IAs.

## **Class Website/Podcasting**

Our class website is where I will post lecture PowerPoints, quizzes, grades, and additional resources that may help you succeed in this class. Go to <http://tritoned.ucsd.edu> and click on Hicks [S116].

BILD1 will be podcasted. You can find the podcasts at <http://podcast.ucsd.edu>.

## **i>clickers**

An i>clicker is required for this class and can be purchased at the UCSD bookstore along with your course text and can be sold back to the bookstore at the end of the quarter. See: <http://acms.ucsd.edu/> for help regarding clickers and campus resources.

Register your clicker on our TritonEd website: (<http://tritoned.ucsd.edu> click on Hicks [S116]).

I will be using i>clickers during this course to increase engagement during the lectures and to promote more inclusive learning by giving all students the opportunity to participate in lecture. I will use i>clickers along with peer instruction, where I will ask you to share your answer with other students and explain why you picked that answer. This process has been extensively studied, and has been proven to enhance students' understanding of course material. Engaging in lecture and participating in clicker questions paired with peer instruction will help you succeed in this class!

You must bring your clicker to class each day, and ensure that it's working properly so your clicks will be recorded. I will give points for participation, not for selecting the correct answer. If you answer 75% of the questions, you will receive full clicker participation points (so, if you forget your clicker one day, miss a class, get to class late and miss a question, etc. – it's OK!).

## **Quizzes**

I will administer quizzes through TritonEd. Quizzes will be worth 10% of your grade, and are meant to be a way for you to check your understanding of key concepts. The quizzes will cover material from the previous week of class. You will have two opportunities to take the quiz. If you did not do as well as you would like on your first attempt, take some time to study the content that you did not completely understand before retaking the quiz. I will announce when quizzes are posted and when they are due either during class or via email.

## **Exams and Grades**

There will be two exams for BILD1:

- Midterm on Monday, July 11<sup>th</sup> during class, covering content from Lectures 1 – 7.
- Final on Friday, July 29<sup>th</sup> from 8:00 – 11:00 AM, covering primarily content from Lectures 8 – 18, but with additional questions from earlier lectures.

Exams will be closed book, no notes. Exams must be written in pen without correctional tape for possibility of re-grading. Exams must be taken during the scheduled time. See below for re-grading policy.

Your grade will be determined from your performance/participation on the following items:

Midterm	35%
Final	40%
Quizzes	10%
Participation	15%

“Participation” includes in-class clicker questions and discussion section attendance. I understand that unexpected circumstances arise that may prevent you from making it to all lectures and all sections, so I only require you to make it to 75% of the sections and clicker questions to get full points in this category.

Letter grades will be assigned according to standard scales (see below). I reserve the right to adjust these scales (in relation to average class performance), but I will not make the class more stringent than the scales below.

A	90% and above
B	80 – 90%
C	70 – 80%
D	60 – 70%
F	60% and below

Re-grading policy:

- Exams must be written in pen to be eligible for a re-grade.
- Re-grade requests must be submitted within 72 hours of when the exams were made available to students.
- First, carefully review the grader’s comments to understand why you were given that grade.
- Second, if you feel there was an error in grading, meet with your IA to discuss this. Hopefully, you and your IA can come to an understanding of why the grade was assigned, and how you can improve performance on future exams.
- If the issue is still not resolved, you may write up a detailed description of why you think that the grade you were assigned is incorrect, and submit it to me. You must cite either information from the textbook or from my lectures to support your claim, and make an appointment with me to discuss the issue in person.
- Finally, I will re-grade the entire exam. The grade could be raised, lowered, or remain the same.

### **Email Policy**

I am excited to work with students to better their understanding of course material. I prefer to do this in person during office hours, so please come by with

your questions! Please try to use email for very quick questions or to schedule an appointment to speak with me – it's difficult to give clear explanations of complex concepts via email. If you can't make it to my office hours to discuss these questions, your IAs will also hold office hours that may better accommodate your schedule. **If you contact me via email, please put "BILD1" in the subject line and allow 24 hours for me to respond.**

### **Office for Student Disabilities**

Students requesting accommodations and services for this course due to a disability need to provide a current Authorization for Accommodation (AFA) letter issued by the Office for Students with Disabilities (OSD) prior to eligibility for requests. Receipt of AFAs in advance is necessary for appropriate planning for the provision of reasonable accommodations. OSD Academic Liaisons also need to receive current AFA letters if there are any changes to accommodations. For additional information, contact the Office for Students with Disabilities: 858-534-4382 (V); 959.534.9709 (TTY) – reserved for people who are deaf or hard of hearing; or email: [osd@ucsd.edu](mailto:osd@ucsd.edu). OSD Website: <http://disabilities.ucsd.edu>

### **Standards of Academic Integrity**

Each student is responsible to know and observe the UCSD rules concerning academic integrity and plagiarism. You should familiarize yourself with your responsibilities and rights under the UCSD Policy on Integrity of Scholarship: <http://senate.ucsd.edu/manual/appendices/appendix2.pdf>. Your responsibilities and rights under the UCSD Student Code of Conduct can be found at [http://students.ucsd.edu/student-life/\\_organizations/student-conduct/index.html](http://students.ucsd.edu/student-life/_organizations/student-conduct/index.html). Any student found to have violated the university's academic integrity standards will be subject to penalties ranging from failing the assignment or course to suspension or expulsion from the university. If you need clarification about the topic of plagiarism and strategies to avoid it, about proper citation and evaluating sources for credibility, or about any other pertinent issue, consult your instructor or Instructional Assistants. Ignorance of these standards will not be accepted as justification for their violation, so make sure to understand and abide by them.

### **Administrative Questions**

See Biology Student Affairs Undergraduate Office, Pacific Hall, Room 1128 for registration related questions. For questions about enrollment and prerequisites, please contact Biology Undergraduate Student and Instructional Services via email ([biouasis@ucsd.edu](mailto:biouasis@ucsd.edu)) or phone 858-534-0557. More info: <http://biology.ucsd.edu/education/undergrad/>