

BILD 1

Fall 2019

Dr. Stephanie Mel

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Office Hours: Mondays 10:30 – 11:30 AM or by appointment
Course meets: Tues/Thurs 9:30 – 10:50 AM Tata Hall 3201 (Fred Kavli Auditorium)

Important Dates:

Midterm Exam – Tuesday October 29 DURING LECTURE ** Note that there is NOT an evening midterm as stated in the schedule of classes**

Final Exam – Thursday December 12, 8:00 – 10:50 AM

Text: Campbell Biology, 11th Edition. To be successful in this class, it is important that you have access to the text! You can purchase the text as a hard copy, ebook, or use copies on reserve at Geisel Library. You can use an earlier edition of the book but you are responsible for checking on content differences (there will only be a few if you were to use the 10th edition). Mastering Biology is not required.

Other Books/Recommended Texts: If you love cell and molecular biology and want to have a book or books that focus on this topic, these two are excellent choices. Essential Cell Biology 5th Edition by Alberts et al. (Norton Publishing, 2019). Essential Cell Biology is at approximately the same level as BILD 1. A more advanced version: Molecular Biology of the Cell 6th Edition by Alberts, Johnson, Lewis, Morgan, Raff, Roberts, Walter (Garland Publishing, 2015) is also an outstanding book.

Canvas: All information related to the course will be posted on Canvas. The powerpoints used in class will usually be posted just before class, but may not be posted until just after class. Please check Canvas regularly for announcements and updates and check your **UCSD email!** You can access Canvas either by going to **canvas.ucsd.edu** or **coursefinder.ucsd.edu**

Podcast: You can access the podcast of each lecture by logging in with your student ID.

iClickers: Required. You must register your clicker on Canvas and participation will start counting on **Thursday Oct. 3**

Instructional Assistants/Tutors: Names, sections, and contact information are posted on Canvas

Discussion Sections: Sections begin **Monday September 30** during **week 1**

Exam Review Sessions: IAs will hold review sessions prior to each exam; the date and time of each will be posted on Canvas

Problem Sets and Study Guides There will be problem sets and study guides made available during the quarter. The problem sets will not be graded but it is highly recommended that you do them as similar problems will show up on the exams. The study guides are just to help you organize the material.

Regrades: It is your responsibility to check your exam for any grading errors. If an error has been made, you should submit a re-grade request, in writing, to Dr. Mel at within a week after the exams have been returned. Please be sure to justify your request – i.e. explain why you believe you deserve more points. No re-grades are possible for exams written in pencil or non-permanent ink. Students who submit exams for re-grades understand that (1) the entire exam may be re-graded and (2) the exam may be compared to a scanned copy of the original exam.

HOW GRADES WILL BE CALCULATED:

Participation Points: 9% of grade. There are several ways that you can earn participation points in the class. If, at the end of the quarter, you have earned **at least 80% of all possible participation points**, you will get FULL credit for participation (i.e. 9% of your grade will be a perfect score). Different types of participation points include the following:

Lecture Clicker Points: Clicker points will be counted starting **Thursday Oct. 3**. You will get one participation point for each day you attend class and answer more than 75% of the clicker questions. You will not lose points for an incorrect answer. *Please note, if you miss one or two lectures, or forget your clicker one day, this will not affect your overall participation score!*

Section Attendance and Assignments/Activities: You will get 1 participation point for each section you attend fully and participate in. There will also be one or more section assignments/activities for which you can earn additional points. These will be announced later in the course. Section attendance will not count until week 2.

Online Quizzes: 9% of grade **Weekly reading “quizzes”:** There will be 2 open book, open note quizzes administered through Canvas each week. The quizzes will be posted BEFORE each lecture as follows:

- Quiz #1 will be posted by Sunday each week. It will cover material on the upcoming Tuesday lecture. It is due by 9:30 AM each Thursday. (so you can go back and re-take the quiz after the Tuesday lecture)
- Quiz #2 will be posted by Tuesday each week. It will cover material on the upcoming Thursday lecture. It is due by 9:30 AM each Saturday. (again, so you can go back and re-take the quiz after the Thursday lecture)

You will have as many tries as you want to complete the quizzes. You can drop your lowest quiz score.

Exams: Midterm exam 35% (or 15%) of course grade. Cumulative Final Exam 45% (or 65%) of course grade. The final exam is cumulative. If you do better on the final exam than you did on the midterm, your final exam score will be counted for 65% of your course grade and the midterm score will count for only 15% of your course grade. ****Note the exam dates at the top of the syllabus.**** There are no alternate exam days or times so check your schedule now!

Other assignments: 2% of grade. There will be several short writing assignments during the quarter.

Grades: Grading in this course is on a straight percent scale so in theory, every single person could get an A in the course. You are not competing with one another for grades, so work together!

A range	>90%
B range	80% - 89.9%
C range	70% - 79.9%
D	60% - 69.9%
F	below 60%

OSD Students: Students requesting accommodations for this course need to provide a current Authorization for Accommodation (AFA) letter issued by the Office for Students with Disabilities (OSD). Please get the letter to me as soon as possible so arrangements can be made. For more information, contact the OSD at (858) 534-4382 (V); (858) 534-9709 (TTY); osd@ucsd.edu, or <http://osd.ucsd.edu>.

Contacting me: email is the best way to reach me and I will do the best I can to get back to you within one day, but am occasionally delayed even longer than that. If you have an urgent matter that needs immediate attention, please **URGENT** in **BOLD** in the subject line. Any email correspondence related to BILD 1 should also have BILD 1 in the subject line.

Administrative Questions: Division of Biological Sciences Student and Instructional Services (SIS) office in 1129 Pacific Hall. Add/drop, advising, major questions etc. <http://www-biology.ucsd.edu/administration/sis/index.html>

Academic Integrity: Integrity of scholarship is essential for an academic community. The University expects that both faculty and students will honor this principle and in so doing protect the validity of University intellectual work. For students, this means that all academic work will be done by the individual to whom it is assigned, without unauthorized aid of any kind. Cheating will not be tolerated; any student engaged in academic dishonesty will be failed. All academic integrity cases will be immediately turned over to the campus Academic Integrity Office.

HOW TO BE SUCCESSFUL IN THIS CLASS!

First: Come to class, listen carefully, and take notes, Keep track of what you DID NOT understand (split page notes work well for many students).

As soon as you can after class: Go over your notes; re-write if necessary, and use the podcast.

This will help you figure out what you did and did not understand from lecture. Make a list of the things you do not understand and then go to the textbook to read the sections associated with that material. The Internet can also be a great resource, but make sure you are using reputable sites.

Find study partners, quiz each other, and attend section and office hours. Do all the problem sets. Ask questions! If you have to miss a class, get notes from another student and take advantage of the text and podcasts to fill in gaps. You will be tested only on the material that I cover in class though it is essential to use the book as a resource.

****Be sure to be familiar with the FIGURES that I show in class, and***

read the associated material in the text.* I will NOT test you on material that is in the book that I don't cover in class.

Below is the planned order of topics, though it is subject to some change. I will announce any changes well in advance.

Topic	Material found in these chapters
Introduction/Small Molecules/Bonds/Chemistry of Life	1,2,3,4
Macromolecules	5
Cell Structure/Organization/Membrane Structure and Function	6,7
Bioenergetics/Enzymes	8
Cellular Respiration	9
Photosynthesis	10
Cell Signalling	11
Cell Cycle/Cancer/Mitosis	12, Concept 18.5
The Molecular Basis of Inheritance	16
From Gene to Protein	17
Gene Regulation	18
Meiosis	13
Mendelian Genetics	14
Chromosomal Basis of Inheritance	15
Viruses, DNA Technology, Genomes	19, 20, 21

NOTE: I will NOT cover all material in each chapter. The only material in the book that you are responsible for is that which I go over in class. But in order to succeed in this class you need to use the book as a resource! Focus on reading the material that corresponds with the figures from the book that I show in class.

Enjoy the class!