BILD 1 Winter 2016 Dr. Stephanie Mel

Office: 4070E York Hall
smel@ucsd.edu (please put **BILD 1 in BOLD** in subject line)
office phone: 858 – 822 – 0603

Office Hours: Tuesday 10:30 AM – 11:30 AM, Wednesday 11:30 AM – 12:30 PM
Course meets: M, W, F 10 – 10:50 AM, Galbraith Hall 242

Important Dates:

Midterm 1 – Wednesday January 27 in class
Midterm 2 – Wednesday February 24 in class
No Class on the following days: Monday January 18, Monday February 15
Final Exam – Friday March 18, 8 – 11 AM

Required Text: Campbell Biology in Focus by Urry, Cain, Wasserman, Minorsky, Jackson, and Reese. Pearson 2014. To be successful in this class, it is imperative 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 the more comprehensive Campbell "Biology" by the same authors but it is your responsibility to check for differences in content. Mastering Biology is recommended but 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 4th Edition by Alberts, Bray, Hopkin, Johnson, Lewis, Raff, Roberts, Walter (Garland Publishing, 2014). 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, 2014) is also an outstanding book.

TED: All information related to the course will be posted on TED. The powerpoints used in class will be posted an hour before class. Please check TED regularly for announcements and updates and check your **UCSD email!**

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

iClickers: Required. The frequency in the classroom is AC. You must register your clicker on TED by **Friday January 8.**

Instructional Assistants/Tutors: Names, sections, and contact information will be posted on TED.

Discussion Sections: Sections begin week 2, starting Monday Jan. 11. Section attendance is not required but there will be section exercises that you will hand in for credit. These exercises will be done in section, though you do have the choice of doing them on your own.

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

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.

Quizzes: There will be weekly quizzes administered through TED. The quizzes will be posted on Friday afternoons at 5 PM and they are due every Monday by 10 AM. You will have 15 minutes to answer 9 multiple choice questions. The quizzes will cover lecture material from the previous week. You have 2 attempts for each quiz. The first quiz will be week 2. There will be a total of 9 quizzes.

Exams ****Note the exam dates at the top of the syllabus.**** There are no alternate exam days or times so check your schedule now! The midterms will be in class, and there will be no make-ups. The final exam must be taken at the assigned time and place (place to be determined) unless appropriate documentation provides an acceptable excuse from taking the final exam at the designated time. The midterms will consist of multiple choice, fill in the blank, and short answer questions. The final exam is cumulative. Approximately 1/3 of the final will be on material from after the second midterm and the other 2/3 of the material will cover material from the entire quarter. *You must have a photo ID to turn in your final exam.*

There are no make up exams so unexcused absences from scheduled exams will be recorded as zero. Unusual and serious problems that affect your ability to take a scheduled exam (i.e. death or serious illness in the family or personal tragedy) must be communicated to Dr. Mel directly. You will need to provide official documentation of the unavoidable emergency. Without such documentation you will receive a zero for that exam. For a missed midterm exam with valid documentation, the remaining midterm and final exam will count for the entire test portion of your grade. For a missed final with valid documentation, you will receive and incomplete grade for the quarter.

Regrades: It is your responsibility to check your exam for any grading errors. If an error has been made, you should submit a regrade request, in writing, to Dr. Mel at the end of the lecture within ONE WEEK after the exams have been returned. Please sure to justify your request – i.e. explain why you believe you deserve more points. No regrades are possible for exams written in pencil or non-permanent ink. Students who submit exams for regrades understand that (1) the entire exam may

be regraded and (2) the exam may be compared to a scanned copy of the original exam.

Participation Points: Throughout the course, you can collect participation points from 3 different sources: (1) online quizzes, (2) section activities, and (3) in-class clicker points. ***You only need to earn 80% of the participation points to get FULL CREDIT for course participation.***

Clicker Points: Clicker points will be counted starting Monday Jan. 11. For each class where you answer more than 50% of the questions, you will get 1 participation point. There are a total of **23 possible clicker points.**

Online Quizzes: There will be a total of 9 online quizzes. Each quiz is worth 9 points. There are **81 possible quiz points.**

Section Activities: There will be several section assignments worth a total of **21 possible points.** Note: these section points can be earned both by attending section and also by handing in the assignments. You get 1 participation point for each section you attend (a total of 9 possible points). The remaining 12 participation points will come from assignments that you can hand in.

CAPE Evaluations: If more than 80% of the class fills out the CAPE Evaluations at the end of the quarter, everyone in the class will get **2 additional participation points.**

Summary of Participation Points: From the clickers, online quizzes, and section exercises, there are **125 possible participation points.** (The CAPE participation points will be added to everyone's score if the appropriate participation level is reached). The participation points are worth 20% of your course grade. To get FULL CREDIT for course participation, you only need to get 100/125 of the points. These can be distributed any way you want. (i.e. if you got 81 quiz points and 21 section activity points, and zero clicker points, you would still get full credit for participation). If you get less than 100/125 points, your score will be adjusted accordingly.

GRADING: 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!

Participation Points	20% of course grade
Midterm 1	20% of course grade
Midterm 2	20% of course grade
Cumulative Final Exam	40% of course grade

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: As I have about 650 students this quarter, please do not expect an immediate response to emails. 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 than 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 Undergraduate Student and Instruction Services (USIS) office in 1129 Pacific Hall. Add/drop, advising, major questions etc. **http://www-biology.ucsd.edu/administration/sis/index.html**

Academic Integrity: **DON'T CHEAT.** 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! The most important thing you can do is come to class, listen carefully, and take notes. ***As soon as you can after class,*** go over your notes and re-write them. 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. 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.***

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
Macromolecules	3
Cell Structure/Organization/Membrane Structure and Function	4
Bioenergetics/Enzymes	6
Cellular Respiration	7
Photosynthesis	8
Cell Signalling	5
Cell Cycle/Cancer/Mitosis	9, Concept 16.3
The Molecular Basis of Inheritance	13
From Gene to Protein	14
Gene Regulation	15
Meiosis	10
Mendelian Genetics	11
Chromosomal Basis of Inheritance	12
Viruses	17 if we have time

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!