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BILD 2: Multicellular Life FA13

University of California - San Diego

Instructor: Prof. Steven A. Wasserman

Welcome to BILD2!

BILD2 is an introductory majors course on the physiology of animals and plants. Lectures and reading focus on the ways in which a hierarchical organization of cells, tissues, and organs enables multicellular organisms to carry out the basis processes of life.

Instructor Office Hours

Bonner Hall 4306

Tues 4:30 – 5:30 pm

Wed 2:30 – 3:30 pm

Course Lectures

Tuesdays, Thursdays

8:00– 9:20 AM,

Warren Lecture Hall 2005

ANNOUNCEMENTS

Sections Begin Friday, Oct. 4th (Wk 1)

Clickers Required Starting Thurs, Oct. 3rd

First Mastering Biology Assignments Due Beginning of Week 3

webmaster: [Steven Wasserman](#)

Last update August 25, 2013

Class Schedule BILD 2: Multicellular Life FA13

Lecture, Reading, and Exam Schedule:

			Biology in Focus, 1st Edition		Campbell Biology, 9th Edition		
Date	Week	Topic	Pre-Reading	Reading	Pre-Reading	Reading	
Sept.	26	0	Homeostasis	p. 640-643	p. 644-647	40.0-1	40.2-3
Oct.	1	1	Endocrine Signaling	p. 648-649	p. 650-652	45.0-1	45.2-3
Oct.	3		Salt & Water Balance	p. 653-655	p. 656-663	44.0-1	44.2-5
Oct.	8	2	Nutrition	33.0-2	33.3-5	41.0-2	41.3-5
Oct.	10		Circulation	p. 688; 34.4	34.0-3	p. 902; 42.4	42.0-3
Oct.	15	3	Gas Exchange	p. 698-700	34.5 -7	p. 915	42.5-7
Oct.	15		Review Session				
Oct.	17		Midterm I - Wks 0-3				
Oct.	22	4	Immunity	35.0	35.1-3	43.0	43.1-4
Oct.	24		Reproduction	36.0-1	36.2-3	46.0-1	46.2-4
Oct.	29	5	Development	online quiz only	36.4	online quiz only	47.0-2
Oct.	31		Cancer	p.186-189	16.3	12.3	18.5
Nov.	5	6	Neuronal Signaling	37.0-1	37.2-4	48.0-1	48.2-4
Nov.	7		Nervous Systems	38.0-1	38.2-3	49.0-1	49.2-4
Nov.	12	7	Sensory Systems	online quiz only	38.4-6	online quiz only	50.0-4
Nov.	12		Review Session				
Nov.	14		Midterm II - Wks 4-7				
Nov.	19	8	Locomotion	4.6	39.0-39.2	6.6	50.5-6
Nov.	21		Behavior	online quiz only	39.3-6	online quiz only	51.1-2,4
Nov.	26	9	Intro Plant Physiol.	28.0-1	28.2-4	Intro, 35.1	35.3-5
Nov.	28		Thanksgiving				
Dec.	3	10	Plant Circ/Nutrition	online quiz only	29.4-6	online quiz only	36.3-5; 37.3
Dec.	5		Plant Signaling		31.0-4		39.0-2,4
Dec.	8		Review Session				
Dec.	10		Final - Wks 0-10				

Etiquette:

You are expected to arrive on time, turn off ringers, and listen attentively. Be considerate of others in the classroom.

Clickers BILD 2: Multicellular Life FA13

<p>Classroom Response System (Clickers):</p> <p>We will be using a classroom response system that is based on radio frequency technology. The goal is to encourage student participation and assist in your learning and my teaching.</p>	<p>1. Required Equipment: iClicker or iClicker-2 (Handheld Transmitter, also known as a clicker or classroom remote). NOTE: This is not the same as the H-ITT or PRS remote.</p> <p>You can also purchase the iClicker2 at the campus bookstore , but you will want to buy the textbook first, since the Campbell text bundle at the bookstore includes a rebate towards the price of the remote. No need to upgrade from the original iClicker if you have it.</p> <p>Net cost: When you are through taking courses that use the remote (there is no extra charge to use the system for multiple classes), you can sell the remote back to the bookstore (or directly to another student). The amount you get back from the rebate and resale should make the net cost per course less than \$15.</p> <p>One set of batteries should easily get you through the quarter.</p> <p>2. Registering your remote: BEFORE COMING TO CLASS, Register your clicker by logging into Ted, following the tools link, and then following the iClicker link.</p> <p>3. How it will work: Throughout the course, you will use a transmitter (or "clicker") like a TV remote to answer questions that I pose during class time. A receiver linked to my laptop will enable me to project a graph showing the distribution of responses among all the students in the class. This rapid feedback will let you see whether you grasp the material and will provide me guidance as to how well I am communicating particular important ideas.</p> <p>NOTE: You will get clicker points for responding to the answers whether or not your response is correct.</p> <p>3. Checking your clicker points: I will periodically post information on Ted that will provide you with a confidential report of where you stand with regard to clicker points, as well as exam grades. It is your responsibility to check the report and to correct problems (such as a misentered Clicker ID).</p> <p>4. Forgotten, missing, or malfunctioning clickers: You will earn full clicker credit (200 points, equal to more than half of either midterm) by getting just 80% of the available clicker points over the quarter. What this means is that you can come to class and discover that you have dead batteries or no clicker and not have to inform me or worry. The responsibility for limiting such problems to only one or two class sessions is entirely yours.</p>
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Textbook Info BILD 2: Multicellular Life FA13

Reading:

The required text is Campbell BIOLOGY in Focus, 1st Edition (2014). You may also use Campbell Biology (9th) edition, provided you take responsibility for determining the correspondence between pages and chapters in the two editions. In general, you will find the readings briefer in the Focus textbook and more closely aligned with the lectures.

Before lecture: You are required to read a section of the relevant chapter in advance of each lecture. Typically, this will be the introductory section (Overview) and the material covered in the first Key Concept. A quiz on the material must be completed online no later than 7 am of the day of the lecture.

After lecture: After each lecture, you are responsible for reading remaining material assigned from the relevant chapter. Online homework will augment this reading with tutorials, videos, and interactive activities. The homework must be completed within one week of the lecture (7 am deadline on the succeeding Tuesday or Thursday).

Text Website:

The website for the Campbell text, the online quizzes, and the homework is Mastering Biology:

<http://masteringbiology.com/>

Here you will find an E-book, a glossary and word study tools, in addition to the pre-lecture quizzes and homework.

*****NOTE**** The global or international version of Mastering, whether purchased separately or with a textbook, will not work.

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Grading Policy BILD 2: Multicellular Life FA13

Evaluation:

Examinations will cover material presented in lecture and in assigned readings. Grading will be based on prelecture quizzes, in-class quizzes, homework, two 80 minute midterm exams and a 3 hour final exam. Together these quizzes and exams will be worth a maximum of 2000 points, distributed as listed below. All students are expected to be aware of and observe UCSD policy regarding [Integrity of Scholarship](#).

1) Prelecture Quizzes (100 points)

Beginning after the first lecture, there will be assigned reading and prelecture quizzes for each class. These quizzes will be available through Mastering Biology and must be completed by 7 am on the day of the lecture. A maximum of 100 points will be earned from roughly 120 available points.

2) In Class Quizzes (200 points)

From time to time during lecture the iClicker classroom response system will be used to gauge understanding of the material being presented. Earning 80% of the clicker points available during the quarter will earn full clicker credit (200 points).

3) Homework (140 points)

Online homework, available through Mastering Biology, will be assigned for each lecture and must be completed within seven days. A maximum of 140 points will be earned from roughly 160 available points.

4) Midterm I (200 points) and Midterm II (360 points)

Each exam will have two sections. The first section will consist of questions in the Extended Matching Set, Multiple Choice, or Multiple True/False format. The second section will consist of essay and short answer questions.

5) Final Exam (1000 points)

Like the midterms, the final exam will have a section of Extended Matching Set, Multiple Choice, or Multiple True/False questions and a section of essay and short answer questions. The exam will include material from across the entire course.

6) Course Grades

It is my philosophy that grades should reflect your comprehension in the context of what I taught successfully in the course. The grading scheme is therefore as follows: I will average the point total for the top 10 students in the class and assign that average a value of 100%, regardless of whether it equals or is close to the theoretical maximum of 2000. Any student with a point total of at least 90% of that average will receive a grade of A- or better. A score of 80% is guaranteed a B- and a score of 70% is guaranteed a C-.

7) Integrity of Scholarship (UCSD Policies):

No student shall

- knowingly procure, provide, or accept any unauthorized material that contains questions or answers to any examination or assignment to be given at a subsequent time.
- complete, in part or in total, any examination or assignment for another person.
- knowingly allow any examination or assignment to be completed, in part or in total, for himself or herself by another person.
- plagiarize or copy the work of another person and submit it as his or her own work.

- employ aids excluded by the instructor in undertaking course work or in completing any exam or assignment.
- alter graded class assignments or examinations and then resubmit them for regrading.
- submit substantially the same material in more than one course without prior authorization.

Any breach of academic honesty may be considered grounds for failure in the course.

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