

## BILD 3 Organismic and Evolutionary Biology, Winter 2020

**Instructor:** Dr. Shannon Butler (she/her)

### General Schedule:

Lecture: 9:30-10:50AM Peterson 110.

Midterm: **Thursday** February 6<sup>th</sup> during lecture (9:30-10:50AM)

Final Exam: 8-11am Tuesday March 17<sup>th</sup> Location TBD

### Discussion Sections:

Section Number	Day	Time	Location	Instructional Assistant
A01	Wed	3:00 PM	Solis 105	Quinn Montgomery
A02	Wed	4:00 PM	Solis 105	
A03	Wed	5:00 PM	Solis 105	Xinyi Yang
A04	Wed	6:00 PM	Solis 105	Matthew Wong
A05	Wed	7:00 PM	Solis 105	Katie Edwards
A06	Fri	12:00 PM	HSS 1305	Jun-Hee (Emily) Han
A07	Fri	1:00 PM	HSS 1305	Uma Talagadadivi
A08	Fri	2:00 PM	HSS 1305	Andy Tran
A09	Fri	3:00 PM	HSS 1305	Brandon Mukogawa
A10	Fri	4:00 PM	HSS 1305	Charlene Raspur

### Office hour and Email (Subject line must be BILD 3 for all emails)

Name	Office hour time	Office hour location	Email
Shannon Butler (Instructor)	Tuesday 11:10-12:00 & by appointment	Galbraith 354	s3butler@ucsd.edu
Quinn Montgomery	Thursday 11:00 -12:00	Muir 1102	qmontgom@ucsd.edu
Xinyi Yang	Tuesday 12:30-1:30	Left side of Blue Pepper	xiy229@ucsd.edu
Matthew Wong	Monday 9:00-10:00 am	Geisel, 1st floor West (near TLC)	mww017@ucsd.edu
Katie Edwards	Friday 9:00 - 10:00 am	Geisel, in front of Audrey's Coffee	K3edward@ucsd.edu
Jun-Hee Han	Wednesday 12:30-1:30	HSS 1145	jhh006@ucsd.edu
Uma Talagadadivi	Friday 11:00am-12:00pm	Inside Mandeville lounge, near Art of Espresso	utalagad@ucsd.edu
Andy Tran	Wednesday 11:00am-12:00pm	In front of Croutons	ant083@ucsd.edu
Brandon	Friday 11:30-12:30	Geisel, in front of Audrey's Coffee	bmukogaw@ucsd.edu
Charlene	Monday 2:00-3:00 pm	Rogers (inside or outside based on weather)	ckraspur@ucsd.edu

**Textbook:** You should have access to Campbell Biology (any edition, but I will go off of the 11<sup>th</sup> edition referencing to chapters). You can share with a friend, acquire used copies on eBay, Amazon, etc. There are also copies available through the Library Reserve System. The Chapters posted on Canvas are suggested readings, they are optional. If reading helps you, feel free to read ahead.

**Slides and course materials:** I will be using Canvas to post course material and slides. Slides will be posted within 24 hours AFTER the lecture. The class will be podcasted and can be listened to here: <https://podcast.ucsd.edu/howto.shtml>

**Attendance.** I expect you to attend lectures and Discussion sections. In class assignments are given in discussion, and iclickers are used in Lecture. If you are absent you will miss these points. By entering into the class you have agreed to abide by UCSD's Principles of Community: <https://ucsd.edu/about/principles.html>; which includes treating all individuals with respect.

**Absences:** If you miss class, you will miss points associated with the activities that we do in class. I will only excuse or modify an assignment if you are absent because of something that is **unforeseeable and out of your control**. Work and other classes are not unforeseeable, even if schedules are out of your control. Illness, serious injury, family emergencies are considered unforeseeable and out of your control. But, you need to let me know ASAP to make up activities, within 1 week. Also, you will need to provide some sort of documentation for your absence (Dr. note, etc.).

**Clickers:** We will be using clickers in lecture. You can use any version of the clicker, purchase a used clicker, or borrow a clicker from a friend (who is not enrolled in this class). If you purchase a clicker, you can sell it after this class is over. It is your responsibility to make sure that your clicker is registered (**on CANVAS**) and that it is functioning during class. If you bring another student's clicker to class and answer for them, this is considered **academic dishonesty** and you will be dealt with accordingly (see **Academic Integrity** section). You only need to get 75% of the clicker points to get the full 25 points for the semester. So, if you forget your clicker one day, are in the restroom while a question happens, etc, don't worry, as long as this doesn't happen frequently. You cannot get above 100% for the clicker points.

**Midterm and Final:** If you miss a midterm for an **excused** absence (see absences), then your final, will count towards your course grade in place of the missed midterm. I reserve the right to give you additional essay questions to cover the other material less represented on the day of the final (with extra time given). You cannot miss the final!!! If something unforeseeable and out of your control happens (i.e. your appendix bursts), you will have to make up the final via **Essay or Oral examination**, then I will give you a final grade once that is done, but it may result in an incomplete for the quarter depending on the timing. The final will be partially cumulative, be weighted towards things covered in the later parts of the quarter. If you miss an exam you **MUST** have a paper documentation to not get a 0 (Dr. note, hospital discharge, police report, etc).

### **Reviewing Exams**

Scantrons ONLY will be returned via the exam depot:

<https://biology.ucsd.edu/education/undergrad/course/exam-depot.html> You will only be able to review your exams during the designated discussion time. If you cannot make that time, then you need to email Dr. Butler AHEAD OF TIME (i.e. before exams are handed back in

discussion) to schedule another time to look at your exam. You will not be able to look at your midterms later in the quarter.

### Grading

You can receive up to 400 points in this class. The number of points that you receive will be divided by the maximum number of points possible to calculate your grade as a percentage. If we do not get to all of the activities, the denominator will be adjusted.

Midterm	150
Final	150
Discussion In class	50
Canvas Assignments	25
iClickers	25
<b>Total points</b>	<b>400</b>

In general, I use this to determine final grades:

A	92 - 100 %	C+	78 - 79 %	D-	60 - 61 %
A-	90 - 91 %	C	72 - 78 %	F	0 - 59 %
B+	88 - 89 %	C-	70 - 71 %		
B	82 - 87 %	D+	68 - 69 %		
B-	80 - 81 %	D	62 - 67 %		

## Schedule

Here is a tentative schedule of topics. We may get a little behind or ahead of schedule, but I will do my best to stick to this. Exam dates will not change and will be based off of the content that has already been covered. The topics and activities in discussion sections will complement the lectures.

Week	Lecture	Date	Topic	Points	Discussion	Points	Canvas Assignments (Due Sunday 11:59)	
1	L1	7-Jan	Intro to Biology and Natural History	*iClickers	<i>No Sections this week</i>	-	Syllabus Scavenger hunt	1
	L2	9-Jan	Natural Selection & Evolution					
2	L3	14-Jan	Genetics and HWE		Mice/Beans Activity	5	Reflection about Cliff Swallows	2
	L4	16-Jan	Origins of life & Phylogenies					
3	L5	21-Jan	Mechanisms of Speciation		Tree thinking	5	Reflection Bird Argument	2
	L6	23-Jan	Bacteria, Archea, Viruses					
4	L7	28-Jan	Intro to Protists & Symbiosis, Fungus		Quiz	10	Favorite Bacteria	2
	L8	30-Jan	Early plants					
5	L9	4-Feb	Seed plants		<i>No Sections this week</i>	-	Reflection Challenges of moving onto land	2
	-	6-Feb	<b>Midterm</b>					
6	L10	11-Feb	Intro to Animals and Body Plans	*iClickers	<i>Optional look at midterm</i>	-	-	-
	L11	13-Feb	Invertebrates					
7	L12	18-Feb	Chordates, Fish		Inner Fish Discussion	5	Challenges of moving onto land	2
	L13	20-Feb	Transitioning to Land, Amphibians, Reptiles					
8	L14	25-Feb	Mammals & Human Evolution		Living things Instagram	15	Convergent Evolution In mammals	2
	L15	27-Feb	Physical Environment					
9	L16	3-Mar	Life History		Animal Bingo	5	Oxpecker reflection	<b>10</b>
	L17	5-Mar	Population Ecology					
10	L18	10-Mar	Community Ecology & Biodiversity		Population & Biodiversity practice	5	Plant based recipe	2
	L19	12-Mar	Nutrient Cycling, Humans & Climate					
			<b>Final Exam</b>	<b>150</b>	Total Discussion Assignments:	<b>50</b>	Total Online Assignments:	<b>25</b>
			<b>iClickers *if you get 75% of the questions</b>	<b>25</b>				

**Cheating.** Don't. There are very few things that are a bigger waste of everyone's time than cheating. Any student caught cheating will receive an F in the course. For information on academic integrity at UCSD: <http://www-senate.ucsd.edu/manual/appendices/app2.htm>

**Accommodations For Students With Disabilities** 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](mailto:osd@ucsd.edu) (email) <http://disabilities.ucsd.edu> (website) **Do this within the first week of class. You can choose to use your accommodation or not, but you need to decide this up front so that I can accommodate your needs.**

**Academic integrity** Students are expected to do their own work. Cheating will not be tolerated and all suspected cases will be handed over to the Academic Integrity Coordinator. Any student caught cheating will fail the course. Submitting any material written by someone else (copied from a lab member, or from any on-line source) is a violation of academic integrity. For information on academic integrity at UCSD: <https://students.ucsd.edu/academics/academic-integrity/index.html>

**Cell phone use:** Please silence your phone during class and keep them away. I may occasionally have you look something up or use your phone to do something in class (if you have one), but other than that, keep the phone away. \*\*if you have some sort of familial responsibility that requires you to have your phone out, please let me know (not need to explain!) and I will be understanding. Other than that, text and do other phone things during the breaks!

**Video/Audio recording:** You may not video or audio record lectures. Do not take pictures or videos during lecture. I post all slides within 24 hours after the lecture so that you can study from them. If we do an activity on the board, I will photograph it and post in slides. You should refrain from taking pictures during class, unless given permission.

**Leaving during lecture:** You are all adults, so you do not need to ask to go to the bathroom. However, weigh that with the fact that leaving the class is disruptive and you may miss iclicker points.

**Classroom behavior:** Be attentive and respectful towards your instructor and fellow students. If you are doing something that is distracting to me or other students, I will ask you to stop.

**Tolerance:** We will be tolerant and inclusive to all people in my classroom. Any hateful speech, acts, or clothing will not be tolerated. This includes racism, homophobia, sexism, ableism, etc. If you engage in these behaviors, I will ask you to leave the class and you will receive 0 points for the day.

## **Resources for student support**

The University of California has a lot of resources for students experiencing non-academic problems. It is your responsibility to utilize the resources provided to you, but if you have trouble accessing these resources, please reach out to me.

**The Hub** (<https://basicneeds.ucsd.edu/triton-food-pantry/index.html>) will point you to resources to meet your basic needs (nutritious food, stable housing, etc). Some of these resources are listed below.

**Triton Food Pantry:** The University of California believes that all students should have access to nutritious food. <https://basicneeds.ucsd.edu/triton-food-pantry/index.html>

**SPACES:** Book lending service for students <https://booklending.ucsd.edu/>

**Community Centers:** The Campus Community Centers at UC San Diego build community among our diverse population of students, faculty and staff members. Each provides a forum to increase awareness of social issues, encourage dialogue, build community, improve retention, increase outreach and yield, and foster academic success. For a list of the many campus community centers, as well as other resources to support students, go to: <https://diversity.ucsd.edu/centers/index.html>

**Counseling and Psychological Services (CAPS)** provides free, confidential, psychological counseling and crisis services for registered UCSD students. CAPS also provides a variety of groups, workshops, and drop-in forums. For more information, please visit our Counseling Services page. <https://caps.ucsd.edu/>

**CARE at the Sexual Assault Resource Center** is the UC San Diego confidential advocacy and education office for sexual violence and gender-based violence (dating violence, domestic violence, stalking). CARE provides free and confidential services for students, staff and faculty impacted by sexual assault, relationship violence and stalking.

**Undocumented Student Services Center** is committed to serving our undocumented students and their families through holistic services. We also advocate for generating a sense of community for all students that are undocumented or come from mixed immigration-status families.

<https://students.ucsd.edu/sponsor/undoc/>

**Student Veterans Resource Center (SVRC)** is committed to ensuring that military affiliated students successfully make the transition from the military environment to campus life, and are assisted in their progress toward completing their academic degree. In collaboration with other University partners, the SVRC seeks to identify and mitigate the barriers to academic success that are specific to the military affiliated student community.

<https://students.ucsd.edu/sponsor/veterans/index.html>