

BILD 3 Organismal and Evolutionary Biology Spring 2021

Welcome to BILD 3, Online!

You can watch a video of me going over this syllabus if you log into Canvas. The video is called "L1: Intro to BILD 3 Online". It is also here on Youtube if you are having trouble accessing Canvas: <https://youtu.be/ISemu122gsI>

Dr. Shannon Butler (she/her)

S3butler@ucsd.edu (the best way to contact me is during my Office hours/Q&A! Consider that before emailing me! Email me for emergencies or if in a very different time zone.)

Zoom ID: b Password: birds

In general, I am available on zoom 12-12:50 Monday and Wednesdays, beginning on March 31st through the end of 10th week. On the first day, I will be on Zoom 12:40-1:20 for an optional Q&A session.

IA contact Info: (same for the IA's! Try to ask them questions during discussions and their office hours before trying to email.) You can watch some brief intro videos of the IA's on Canvas in the Media Gallery!

Name	Preferred Email	Pronouns (optional)	Zoom ID	Zoom Password
Shannon Butler (Instructor)	shannon.rhey.butler@gmail.com	she/her	911 2617 3652	birds
Desai, Dev Nimesh	dndesai@ucsd.edu	he/him	217 819 2362	birds
Yu, Janna J.	jjy003@ucsd.edu	she/her	553 628 3778	birds
Bao, Bella (Jiayang)	j1bao@ucsd.edu	she/her	918 6406 6271	BILD3
Lo, Tyler Zachary	tzlo@ucsd.edu	he/him	954 0459 8993	panda
Teame, Ariana T.	ateame@ucsd.edu	she/her	931 8131 1009	birds

Each PERSON has a zoom link. If you want to go to their office hours, or attend your IA's discussion, you use the same information.

Section	Day	Time	IA
B01	Th	2:00p-2:50p	Dev
B02	Th	5:00p-5:50p	Janna
B03	Th	6:00p-6:50p	Tyler
B04	F	10:00a-10:50a	Dev
B05	F	11:00a-11:50a	Ariana
B06	Th	3:00p-3:50p	Bella

Office hours

Day	Time	Assigned to:
M	12-12:50 pm	Dr. B*
M	6-6:50 pm	Ariana
Tu	10-10:50 am	Tyler
Tu	4-4:50 pm	Ariana
W	10-10:50 am	Tyler
W	12-12:50 pm	Dr. B*
W	4-4:50 pm	Dev
Th	10-10:50 am	Bella
Th	1-1:50 pm	Janna
F	10-10:50 am	Bella
F	12-12:50 pm	Dev
F	1-1:50 pm	Janna

* These are Dr B's general office hours, there are slight changes due to Exams and the first day on the Schedule

Zoom room information:

https://docs.google.com/spreadsheets/d/1oor_RmAY6bqfuCE9aBqQUIj9ViIY_FpZGrnksHKg9ts/edit#gid=0

Communication: I will send out announcements via Canvas “Announcements”, monitor them daily!

Format of course: This is a remote learning course. Some components will be **synchronous** while other components will be **asynchronous**. If you have an emergency (illness, serious illness or death of a close family member, sudden unexpected childcare, natural disaster, other event that is unforeseeable and out of your control) or time zone situation that prevents you from being present during the synchronous components, you will need to talk to me to make up the work (discussions, exams) asynchronously, with good reason. **Enrollment in multiple courses that conflict is not an acceptable reason.** All lectures will be available asynchronously, recorded online. Discussion sections and Exams will be synchronous, online, during the regularly scheduled time. Unless you have an extenuating emergency circumstance, or are in a very different time zone relative to San Diego, you need to make yourself available during the scheduled hours that this course is listed.

Course Overview:

In this course we will learn about principles of evolutionary theory, classification, ecology, and behavior. We will also have a phylogenetic synopsis of the major groups of organisms from viruses to primates.

Course Objectives:

At the end of this course you will be able to....

Core Concepts:

- Describe how basic principles of evolution can lead to the production of new phenotypes at the molecular level (*Information flow & Exchange*)
- Identify the evolutionary relationships among major taxa on earth (*Evolution*)
- Describe adaptations that allowed plants and animals to move onto land (*Structure & Function*)
- Describe how biotic and abiotic factors can interact with each other (*Systems*)

Competencies:

- Recognize the stochastic nature of biological processes (*Modeling & Simulation*)
- Describe factors that affect nutrient cycling and lead to climate change (*Transformation of Energy & Matter*)
- Use multiple lines of data to make supported scientific claims (*Communicate & Collaborate*)
- Use quantitative data to answer biological questions (*Quantitative Reasoning*)
- Describe how new knowledge is constructed in Science (*Process of Science*)
- Describe ways that Science interacts with non-Science disciplines (*Interdisciplinary Nature of Science, Science & Society*)

A more detailed list of learning objectives for each module can be found here:

<https://docs.google.com/document/d/1XQ1ZntC1Vc6pWfZo1dBsPW7Q6wvV-AaQad314YeFMDk/edit>

Textbook: The textbook for this course is not required, but if you find reading a textbook helpful, I loosely base the materials off of these chapters in the 11th Edition of Campbell's Biology (though earlier versions are quite similar). I do not cover all the material in each chapter; use the learning objectives to guide your study and refer to the book as a reference (though it is not essential). At this time, we unfortunately do not have access to course Reserves. I will let you know if this changes.

Office hours and contact of Instructional Team:

I encourage you to attend *Zoom office hours rather than email the Instructor or the IA's!* One, this is how we can get to know each other and stay connected! Two, we can better explain the material in person. Maybe other students have a similar question and we can help each other learn. Third, it is very inefficient to respond to many student emails when we can just have a quick chat! We can better help you understand the material via Zoom more than on email.

But, if you do email us, make sure that the Subject is "BILD 3". Examples of good reasons to email us are: You have some sort of emergency that causes you to miss an exam; you are in a time zone that makes office hours unreasonable to attend; you have some accommodation form OSD or would like to talk about an accessibility issue, etc. These are good reasons to email and I can have a follow up conversation with you on Zoom is needed.

The Zoom link for the IA is the same for their office hours and discussion.

Office hours will be updated here:

https://docs.google.com/spreadsheets/d/1oor_RmAY6bqfuCE9aBqQUlj9ViY_FpZGrnksHKq9ts/e/dit#gid=0

Supplemental Instruction (SI) Session: will be your SI Leader. SI is separate for the course but helps you review the material, get more practice, and meet other students to study with!

Pablo Corcoran	Supplemental Instruction	Tu 2-3:20	https://ucsd.zoom.us/j/93439118737
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Technology: You need to be able to access Canvas (<https://canvas.ucsd.edu/>) and the internet to complete this course. If you don't have access to the internet or a computer/tablet, please contact yca@ucsd.edu. You will likely be able to do most things from a phone, though it may be ergonomically challenging . There are apps for Zoom, Canvas, and Google Drive which will be useful. You can access Canvas on your phone! Download the Canvas App.

Canvas: I cannot add students to Canvas. You need to contact IT Email servicedesk@ucsd.edu Or call Phone: (858) 246-4357. I cannot help you get registered in Canvas or add you manually; it is out of my control and you need to go through IT and register properly.

How this class will work: Some parts of this course are **synchronous** (occurring at a particular time, Live, with other people) while other parts are **asynchronous** (filmed ahead of time, you do

on your own, may still interact). However, you still need to complete the asynchronous parts in a timely fashion!

Synchronous Components:

Questions & Meetings with Dr. Butler to ask questions about lecture, course material, assignments, etc: See the link to the schedule for these times. THIS is the BEST way to get a hold of me! Answering emails is inefficient, and there are few reasons that you should not be available during that time as this is when your class was originally scheduled. If you need to discuss something privately about a personal issue, we can use a break out room, or this is also an acceptable thing to email me about. If you cannot make this time then please email me and we will arrange another way to communicate.

The meeting ID for these meetings is:

Topic: BILD 3 Meeting room, For Q&A/Dr. B Office hours

<https://ucsd.zoom.us/j/91126173652?pwd=WHFhcEZiRWZzaVJOSEhWY0ViU0tTdz09>

Meeting ID: 911 2617 3652

Password: birds

Discussion sections: You need to attend your assigned discussion section, live, on Zoom. This is where you will build community! You can find friends to study with! We will do some group projects, so meet people here! If you cannot attend your discussion section, you need to email your IA a legitimate excuse and make up the activity within 2 days, or as soon as possible given your circumstance. You will work out individually with your IA how to accommodate you if you cannot attend live on Zoom. You will get points for the activities that you do in Discussion, which will sometimes carry over to out of class. IA's are the point of contact for discussion rather than the instructor.

Exams: You need to take exams synchronously **within the time window provided (10am-8pm)** unless you have an emergency or are in a very different time zone. You need to contact me as soon as reasonably possible for these reasons. Here are when the exams are so that you can make yourself available. See the schedule for Exam dates.

Office hours with IA's: You can go to ANY office hours! You don't have to go to just your IA's office hour. Asking questions via email is INEFFICIENT for everyone! It is much more efficient to ask via zoom and get live help. You can go to ANY office hour! It doesn't have to be your IA.

Asynchronous Components:

Lectures: I will pre-record lectures and have them up by (or before) the regularly scheduled lecture times. You can watch these at your own pace, BUT I encourage you to keep up with them.

Lecture Checks: After each lecture, there is a short lecture assignment on Canvas. You need to do MOST of these to get full credit (i.e. you can miss ~4). These assignments are meant to keep you on track and give us feedback about student understanding. They are also opportunities for you to see questions that may appear on an exam. You need to do the lecture checks on time to get credit, you do not get credit for doing them late because the purpose is to keep you on track. **All Lecture check due dates can be found on Canvas. In general, the lecture checks are due at 11:59pm the class period AFTER they were assigned.**

Absences: We understand things happen. If you have a medical emergency, mental health emergency, unexpected caretaking, or a hard to schedule doctor or government appointment (jury duty, vaccine appointment, etc), please email **Dr. B and your IA** as soon as possible (subject line BILD 3) to figure out a solution. Please do your best to attend the section and take exams on time, and be honest with us about your absences.

Slides and course materials: I will be using Canvas to post course material and slides. We will also occasionally use google slides/sheets/docs for collaborative work.

Schedule/Roadmap:

https://docs.google.com/spreadsheets/d/1iLEicwcD62u5bmuAAAU-Xum3wN878BTDrOf_IXJtwKg/edit?usp=sharing

I will do my best to stick to the schedule in this syllabus, but there may be slight changes (announced ASAP) due to circumstances that are unforeseeable and out of my control. I appreciate your flexibility and patience in advance.

Grading

You can receive up to 325 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 and use these cut offs for assigning letter grades. If we do not get to all of the activities, the denominator will be adjusted. *Look at schedule above for exact grade breakdown*

Cut offs			
A \geq 92 %	C+ \geq 78 %	P	\geq 70%
A- \geq 90%	C \geq 72 %	NP	<70%
B+ \geq 88 %	C- \geq 70 %		
B \geq 82 %	D \geq 60 %		
B- \geq 80 %	F <60%		

If you are ill or unable to do certain activities on time, you can be given an extension on a case by case basis.

Extra Credit: There will periodically be optional discussion boards, 5 for the whole quarter. They will be located in the modules. They will be up for several days and be due on or after the date of that lecture check. I will not accept late extra credit for any reason. The (up to) 5 points from the Extra credit can fill in missed discussion points, up to 45 points in that category. You will not be given over 45 points in this category.

Other extra credit opportunities will be posted in the Announcements if they arise.

Exams:

Exams will be given online. Exams are NOT open note/open book, unless you are specifically instructed to do so. I will give you time limits that make it difficult to have time to look up all the answers, but enough time to complete the questions. I have the ability to run your essay questions through “turn-it-in” to detect plagiarism, which is academic dishonesty and will be dealt with accordingly according to UCSD’s academic integrity policy. I also have the ability to monitor Chegg and online “tutoring” sites, live, during the exam window.

The exams will be part Multiple Choice/Select All that apply, and part Free Response. They will not be cumulative.

I am giving 4 exams. To pass the class, you need to TAKE, and get at least a 50% on, all 4 exams UNLESS you have some sort of legitimate excuse of hardship that you talk to me about that gives you a direct conflict with the Exam. If you have some legitimate reason that you cannot take the exam at the scheduled time, we will work out a way to accomodate you. Please let me know in advance if possible, or as soon after if you have something unexpected occur. A legitimate excuse is something unforeseeable and out of your control: This pandemic is unforeseeable and out of our control. Being ill, caring for someone who is ill. A lot of things will be out of your control. But please do your best to set aside this time during the lecture period for your learning as much as possible. If you are dealing with something that makes you unable

to physically be at a computer/tablet/ phone during the Exam time, LET ME KNOW! Also if the exams are at a time you are usually asleep (within reason), let me know and we can accomodate you.

I realize some weeks may be harder than others, so I will take your top 3 exam scores and count them towards your course grade. SO, even if you are wildly unprepared, if you are ABLE to, just take the exams. I will drop your lowest one, but I do need some sort of assessment to demonstrate you have engaged with the course material.

If you are physically unable to be present at a computer during an exam, let me know ASAP.

Given that, here is a summary of my current policy:

You must take all 4 exams and get at least a 50% on all of them. Then your top 3 scores will be used toward your course grade, as the lowest exam grade will be dropped. You can be **excused from an exam** with a legitimate hardship excuse, which you need to email me about (these are efficient things to email! but also happy to chat in Zoom). If you miss 2 exams due to hardship, it may be wise to drop the course. This is a hard time for everyone; if you cannot do half of the exams, maybe there is a better time in your life to take this course.

I need **HONESTY** about this lenient policy. Please don't abuse it. Obviously, some of you are going through a lot, the world is being affected in many different ways. Here is what I don't want to happen: Student does well on the first 3 exams, and then does nothing in the last 2 weeks of the quarter. There is essential information for your future classes throughout this class, up until the last day, so I would like you to learn it.

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 (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. Even the most minor infringements on Academic integrity will result in at least a full letter grade reduction. 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>

Student Questions/Enrollment: You may be fielding questions from students about enrollment and waitlists. Please direct student questions to Biological Sciences Student and Instructional Services. UCSD continuing students use the Virtual Advising Center vac.ucsd.edu Summer Session (non UCSD students) may email biouosis@ucsd.edu

Resources for student support

The University of California has a lot of resources for students experiencing academic and 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.

Technology: If you don't have a way to access the internet or interact with Canvas, Fill out this form: <https://eforms.ucsd.edu/view.php?id=490887>

Teaching + Learning Commons The Teaching + Learning Commons offers tutoring, consultations, and workshops on learning strategies as well as assistance with writing in the Writing + Critical Expression Hub <http://commons.ucsd.edu>

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/>

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

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>

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. I do not know if these resources are available during the campus closure, the website has not been updated.

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> I do not know if these resources are available during the campus closure, the website has not been updated.