

ORGANISMIC AND EVOLUTIONARY BIOLOGY BILD3 –
Spring, Dr. Keefe Reuther

2014

COURSE SCHEDULE
MWF 12:00pm – 12:50pm WLH 2001

Week	Date	Lecture Topic	Urry Chapter	Assignment Due/ Notes
1	M 3/31- F4/4	Introduction; Evolution: History & Evidence	Chapter 19	No section meeting
2	M 4/7 F4/11	Mechanisms of Evolution	Chapter 21	
3	M 4/14 F4/18	Speciation & Phylogenetic Systematics	Chapter 20 and 22	
4	M 4/21- F4/25	Midterm #1 - Monday History of Life; Prokaryotes & Protists	Chapter 23-24	Essay 1 due Friday in class
5	M 4/28- F5/2	Plants and Fungi	Ch. 26	
6	M 5/5 F 5/9	Animal Diversity	Chapter 27	
7	M 5/12 F 5/16	MIDTERM #2 - Monday Animal Diversity Cont.		Essay 2 due Friday midnight
8	M 5/19- F 5/23	Intro to Ecology; Population Ecology	Chapter 40-41	
9	W 5/28- F 5/30	Monday – Memorial Day Holiday Community and Ecosystem Ecology	Ch. 42	
10	M 6/2 F 6/6	Conservation and Global Ecology	Ch. 43	Essay 3 due Friday midnight
	Wednesday 6/11 11:30am – 2:30pm Location TBA			

INSTRUCTOR

Dr. Keefe Reuther,

Office: HSS (Humanities and Social Sciences Building) 1145D

Office hours: M 2pm-3pm and Tu 9:30am-10:30am or by appointment

Email address: kdreuther@ucsd.edu (**please put BILD 3 in the subject line**)

VENUES

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COURSE OBJECTIVES: This course deals with the living world at the level of whole organisms, populations, communities, biomes, ecosystems and the biosphere. It is designed to introduce you to the fields of evolution, systematics, ecology, environmental science, behavior and conservation biology. The major focus of the course will be on evolution, since an understanding of the evolutionary process enables us to grasp why there are so many different kinds of living things, how they interact with each other to produce complex ecosystems, the ways in which these interactions may lead to the evolution of complex behaviors, how evolution has often brought about large changes in body plan, and how species (including ourselves) are likely to continue to evolve. Such knowledge is essential for understanding biology in general, and provides the tools for our stewardship of the planet's biota and the sustainability of the ecological services we take for granted.

CONTACT: Your TA's and fellow students are your best resource for information and you should first attempt to answer your questions through them. Try using the discussion board on TED or emailing your TA's through TED. Contact Dr. Reuther first only for specific issues unrelated to course content. The best way to contact him is by email: kdreuther@ucsd.edu. On all emails PLEASE put BILD 3 in the subject line to indicate that the email pertains to this course. Also, if you email a question the evening before an exam please send it before 5 PM. If you email about anything regarding your status in the course, please include your UCSD username, and PID.

PREREQUISITES: Officially this course has no prerequisites; however, most students have already taken BILD 1. The course assumes that you know Mendelian genetics, mitosis and meiosis, and the basics of molecular biology — the transfer of genetic information from DNA to RNA and then to proteins. If you don't have a command of these topics, you will be at a disadvantage unless you do some extra reading in Units 1 and 3 of the text.

TEXTBOOK: *Campbell Biology In Focus*, by Urry *et al.*, available at the Price Center Bookstore.

LECTURE ‘NOTES’: A pdf of figures and pictures from the lecture PowerPoints will be posted on TED (usually the evening before class)

CLICKERS: not used in this course.

PODCASTING: Class lectures are podcast and are available for download soon after lecture. Download podcasts at <http://podcast.ucsd.edu/>

TECHNOLOGY POLICY: The use of cell phones or any other electronic devices (e.g. pagers, text messaging, PDAs, etc.) is not permitted during exams. Cell phones or other communication devices must be turned off and stored before entering the lecture hall at all times. Use of a cell phone, PDA, or other similar electronic devices during an exam, quiz or assignment is grounds for receiving a failing grade.

Laptop computer policy: Students are welcome to bring laptops to lecture for note-taking purposes. However, if you choose to do so, please be aware that your lighted screen may be distracting to nearby students. For this reason, Dr. Reuther requests that you select a seat at the end of a row or toward the back of the lecture hall. Laptops must be put away (closed and powered off or on sleep mode) during any lecture quizzes, assignments or exams. Unless specifically given permission by Dr. Reuther, you may NOT access the web during the lectures. This is extremely distracting to neighboring students and will not be tolerated. Any student found using the web during class time will be required to turn off their computer for the remainder of the lecture and may be denied permission to use a computer in class thereafter.

ENROLLMENT:

Auditing: Auditing is discouraged and may only occur with permission of the instructor. The instructor is not obligated to devote time to the work of individuals not officially enrolled in the course. All persons auditing are required to abide by University policies and campus regulations.

Wait list: If you are on the wait list for this class you will be automatically added if space becomes available. The Division of Biology has a strict policy of 1st, on, 1st off the wait list, meaning that no student can jump ahead of others in the queue. If you have any concerns, please contact Biology Student Affairs at 858-534-0557, email question@biology.ucsd.edu, or contact the Summer Session Office, (858) 534-5258. If you are on the wait list, be sure to attend lectures and sign up for a section so that you do not fall behind.

WEB SITE: Everything related to the class is kept on the TED site (<https://ted.ucsd.edu/webapps/login/>). **Announcements** of exam room changes and many other important matters will be posted on the TED site. Check the site often! **Grades** for the midterm exam will all be posted on the website. TED is where all course related assignments and materials will be posted.

GRADING:

Midterm Exams (100 points each)	200 points
Final Exam	250 points
<u>Essays (40 points each)</u>	<u>120 points</u>
TOTAL	570 points
End of course questionnaire (EXTRA CREDIT)	5 points
Beginning of course questionnaire (EXTRA CREDIT)	5 points

These guidelines will be used to assign grades:

- > (85%) A (A-, A or A+)
- > (75%) B (B-, B or B+)
- > (65%) C (C-, C or C+)
- > (55%) D

If necessary, these cutoffs will be adjusted downward so that at least 50% of students in the class receive an A or a B, but they will not be adjusted upward for any reason.

MIDTERM EXAM: There will be two midterms, held during lecture time. **MAKE-UP EXAMS ARE NOT AVAILABLE.** EXAMS ARE OFFERED AT THE SCHEDULED TIME ONLY. The exams will consist of multiple choice, short essay, short answer, and quantitative or graphical material designed to test your ability to synthesize information presented in the lectures and readings. The midterm exams will be based on material up to the lecture preceding the exam unless announced otherwise in class.

FINAL EXAM: EARLY EXAMS ARE NOT AVAILABLE. Watch for the announcement in class and on the web site about the location. The final will be cumulative.

MISSED EXAMS: There are no make-up exams, so unexcused absences from scheduled exams will be recorded as zeroes. Unusual and serious problems that affect your ability to take a scheduled exam (e.g., death or serious illness in the family or personal tragedy) must be communicated to Dr. Reuther directly. You will be required to provide official documentation of an unavoidable emergency (e.g., serious illness, etc.). 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 be issued an incomplete grade, which can then be made up with the instructor after the end of the quarter.

RE-GRADES: It is your responsibility to check your exam for clerical errors in grading. If a grading error has been made, you should submit a re-grade request to Dr. Reuther at the end of a lecture within one week of return of the exam. The time and date of closing down the appeal process will be announced in class. Simply write “please re-grade Q #” or “arithmetic error on p. #” on the cover of your paper. Write a concise description of the alleged error on a separate, attached piece of paper. No re-grades are possible for exams written in pencil or non-permanent ink. Students who submit exams for re-grading understand that we may (1) re-grade the entire exam, and (2) compare the submitted paper to a scanned copy of the original exam. Re-grades of the final will be handled as follows: Graded final exams will be available for pickup the Tuesday after the final is given. Re-grade requests are to be placed under Dr. Reuther’s office door within one week after graded exams are made available. If the re-grade request is valid and it affects the letter grade of the student in the course, then Dr. Reuther will change your course grade accordingly.

OSD students: Students requesting accommodations and services due to a disability for this course need to provide a current Authorization for Accommodation (AFA) letter issued by the Office for Students with Disabilities (OSD), prior to eligibility for requests. Receipt of AFAs in advance is necessary for appropriate planning for the provision of reasonable accommodations.

For more information, contact the OSD at (858) 534.4382 (V); (858) 534-9709 (TTY); osd@ucsd.edu, or <http://osd.ucsd.edu>.

LETTERS OF RECOMMENDATION. I am more than happy to potentially write you a letter of recommendation for graduate school, medical school, UCSD program, etc. **HOWEVER**, keep in mind that you likely want me to write a good one. I typically teach 400-800 students per quarter; therefore, if I don't know you outside the lecture hall, I won't write you a letter of recommendation. All I can realistically do is list the grades you received on exams and assignments. If you would like me to write a letter of recommendation that goes beyond exam performance, you must give me the opportunity to meet you. Come to office hours (repeatedly) or utilize the Dine with a Prof program available through most campus colleges. If I feel that I have an accurate picture of you as a person, student, or scientist then you can count on that letter. Keep in mind this must all be done during the quarter in which you are my student.

ASKING FOR HIGHER GRADES: DON'T. Please view the teacher/student relationship from my perspective. My job is to evaluate the performance of 100's of students based on their objectively assessed exams/assignments as outlined in this syllabus. This means that keeping my professional integrity demands I evaluate you solely based on course work AND I must apply the rules of the class equally to everyone. That being said, if you are unhappy with a grade, your best recourse is to search for something incorrectly graded and apply for a re-grade of that assignment. I will not entertain emails asking for a higher grade because your grade is close to the cut-off or you need a higher grade (e.g. financial aid, medical school). I feel for you, but giving you the higher grade for no legitimate reason is punishing every single other person in the class.

CHEATING: DON'T. Students are expected to do their own work, as outlined in the UCSD Policy on Integrity of Scholarship (go to TritonLink: Academics: Academic success: Academic integrity). Cheating will not be tolerated, and we will fail any student caught engaging in academic dishonesty. Their identity and the evidence of cheating will be passed to the relevant campus staff for further action. All exams will be closed book and closed-notes; all personal materials including cell phones must be stowed under your seat while exams are in progress. All assignments are to be completed individually, unless otherwise noted.

COURSE IMPROVEMENT: Your constructive criticisms are welcome. Dr. Reuther is available immediately after lectures, at his scheduled office hours, and by email anytime.

SECTIONS AND SECTION MEETINGS: Students have the opportunity to meet with a Teaching Assistant in relatively small groups on a weekly basis. There will be no sections during the first week of classes.

You must sign up for a Section after the first class meeting using <https://sections.ucsd.edu>. Instructions will be announced in class that day. There is a limit of 33 students for each section. Wait listed students should also sign up for sections now but there is no guarantee that they will eventually become enrolled in the class.

The section meetings provide for:

1. **Academic review.** Each week the TA will provide an opportunity to review the previous week's lectures and readings. This review may take the form of answering your specific and

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general questions, clarifying something important presented quickly in lectures, expanding on something important described in the textbook, or working through a numerical problem of the type found on the exams. To benefit from these meetings you must prepare by completing both your lecture notes and the assigned reading. There is no need to bring the textbook to the Section meeting.

2. **Advice on studying.** In particular, the TA's may be able to steer you through the enormous amount of descriptive material in the textbook. They will not know what will be on the exams but they are experienced enough to know how to set learning priorities. They meet with the professor before each class and can give you his advice on what's important and what is less likely to be a focus on exams.

3. **General course announcements.** We will make numerous announcements about the course and course-related opportunities.

4. **General advice.** The TA's are a lot easier to find than the professor so please direct your questions about other courses, majors, careers, summer opportunities, study abroad opportunities to them, in the first instance.

Schedule of Section Meetings:

Section #	Day	Time	Building	Room	TA
A01	M	5:00p - 5:50p	YORK	3000A	Raymond
A02	M	6:00p - 6:50p	YORK	3000A	David
A03	M	7:00p - 7:50p	CENTR	217B	Marcus
A04	M	8:00p - 8:50p	YORK	3000A	Patrick
A05	Tu	4:00p - 4:50p	CENTR	207	Jaclyn
A06	Tu	5:00p - 5:50p	CENTR	207	James
A07	W	08:00a - 08:50a	CENTR	218	Michelle
A08	W	09:00a - 09:50a	CENTR	218	Chieh
A09	Th	08:00a - 08:50a	CENTR	203	Nina
A10	Th	09:00a - 09:50a	CENTR	203	Jay
A11	Th	10:00a - 10:50a	CENTR	203	Roxy
A12	F	2:00p - 2:50p	CENTR	207	Tyler
A13	F	3:00p - 3:50p	CENTR	207	Loan

Be prepared to select your section time using sections.ucsd.edu after the first class meeting.

Teaching Assistants:

Name	email
Miyamoto, Jaclyn Kuniko	jmiyamot@ucsd.edu
Wooldridge, Tyler Brock	twooldri@ucsd.edu
Bobar, Marcus Alain	mbobar@ucsd.edu
Chan, Jay	jac038@ucsd.edu
Do, David	d4do@ucsd.edu
Kim, James Minsue	jmk022@ucsd.edu
Lai, Michelle	m8lai@ucsd.edu
Marchiando, Nina Hansch	nmarchia@ucsd.edu
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Lin, Chieh chl227@ucsd.edu
Wiswell, Roxana Ellen rwiswell@ucsd.edu

Note: Syllabus and lecture schedule are subject to modification at the instructor's discretion.