

Biology 1108 – FS 2016 **Schedule**

Instructors: Hannes Baumann (lecture) & Julie Pringle (lab)

Office: Room 290 (HB), Marine Sciences Building

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Class times: Mon, Wed & Fri 10:10-11:00 ACD211 (lecture); 1325-1625 Mon or Wed (lab)

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Office hours: Any time; please make an appointment via email

Textbook: *Biology*, by Campbell & Reece; Benjamin/Cummings Co. (10th; 8/9th ed OK)

Lab: Lab material will be handed out in class.

Grading: 3 mid-terms @ 15%	45%
Final (cumulative) exam	20%
Lab protocols and assignments	20%
Independent research study	15%

Laboratory: The laboratory is designed to provide you with a working, “hands on” knowledge of some of the lecture topics. Preserved and live specimens will be studied in the laboratory, some of which will be dissected. You are required to attend the lab section that you are registered for. Laboratory assignments are outlined in the syllabus that will be given to you by the lab instructor. Assignments will include several lab quizzes or problem sets, a written laboratory report, and two laboratory practicals. More information about these will be given during the lab. The laboratory portion of the class will contribute about 20% to your final grade in the course.

Regarding the Research Study: You must be able to collect all data in 3 weeks maximum (24 Oct – 18 Nov). Once the research begins, you will be given at least one hour in each lab session to work on your project, but we have other things to do in the lab, so you need to budget time outside of lab as well.

Academic misconduct includes:

- Plagiarism
- Doing academic work for another student
- Presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors
- Situations where one student knowingly assists another student in committing an act of academic misconduct, and any student doing so will be held equally accountable for the violation

Final exam week for Fall 2015 takes place from **Monday, December 12th 2016 10:30 – 12:30 a.m. (ACD211). See official listing at <http://registrar.uconn.edu/exams>.**

Students are required to be available for their exam during the stated time. If you have a conflict with this time you must visit the Office of Student Services and Advocacy to discuss the possibility of rescheduling this exam.

Please note that vacations, previously purchased tickets or reservations, graduations, social events, misreading the exam schedule and over-sleeping are not viable excuses for missing a final exam. If you think that your situation warrants permission to reschedule, please contact the Office of Student Services and Advocacy with any questions.

Attendance: Regular attendance of lecture and laboratory sessions is highly recommended. Some of the class material that you will be responsible for is not found in the text or lab manual and will only be covered during in-class sessions. Through regular class attendance you will obtain the most information from the course and be better prepared for exams. Remember, *you will be responsible for all material covered in the course.* The lab TA and I will use **your U.Conn e-mail account (via HuskyCT Blackboard)** to contact you for various reasons. Be sure to check for messages on a regular basis.

Make-ups: There will be **no** make-up exams, lab practicals or quizzes without documentation of your absence and a written excuse from the Director of the Avery Point campus. If you miss an exam or quiz, for any reason, notify one of us as soon as possible so that we are aware of the problem. In the event of a bonafide illness or emergency (& documentation provided) we will make special arrangements. Make-up exams will be given at the end of the semester at a time and place mutually suitable for both instructor and student. Those individuals missing an exam without a documented excuse will receive a grade of zero (0) for that exam.

Academic Policy: The official policy on academic honesty, as stated in the Student Conduct Code, will be strictly followed. For information about academic conduct, see: <http://community.uconn.edu/the-student-code/> (particularly appendix A: <http://community.uconn.edu/the-student-code-appendix-a/>).

Assistance: We will provide you with our office hours. Please see us at the first sign of any difficulties. Also, tutors at the Learning Resource Center can help you with many aspects of writing and basic biology. **Take advantage of this free service.** We want to make this course an enjoyable learning experience and will try to help you in any way we can, but you are responsible for taking the first step.

Date	Day	Lecture	Campbell	Lab	Assignment
8/29/16	Mon	Intro + L1: Introduction; biochemistry L2: enzymes and energy Recap	Chapter 2; 63-66, Chapter 5 Chapter 8	Intro to the laboratory; making observations; asking questions; photosynthesis mini exp	list of 5 questions about photosynthesis (end of lab)
8/31/16	Wed				
9/2/16	Fri				
9/5/16	Mon	Labor Day		Labor Day week no lab	
9/7/16	Wed	L3: Diffusion and osmosis	pp 131-138		
9/9/16	Fri				
9/12/16	Mon	L4: introduction to ecology L5: population and community ecology Recap	Chapter 52 Chapter 54; pp 1198-1214	Testing hypotheses; intro to statistics and probability, protist observation	Write-up of photosynthesis experiment, list of 5 questions about protists (end of lab)
9/14/16	Wed				
9/16/16	Fri				
9/19/16	Mon	L6: ecosystems	Chapter 55	Plankton ecology lab	Proposal for independent experiment (start of lab)
9/21/16	Wed				
9/23/16	Fri				
9/26/16	Mon	L7: Cells L8: Mitosis & meiosis Recap	Chapter 6 Chapter 12 (until p238)	Ecology field trip	List of 5 questions about tide pools (end of lab)
9/28/16	Wed				
9/30/16	Fri				
10/3/16	Mon	L9: Mitosis & meiosis cont'd L10: Mendelian genetics Recap	Chapter 13 Chapter 14	Plant growth germination experiment	Write-up of rocky intertidal lab (questions, species list, measurements), (hand-in at the beginning of lab)
10/5/16	Wed				
10/7/16	Fri				
10/10/16	Mon	L11: Chromosomal basis of inheritance L12: the evolution of populations Recap	Chapter 15 Chapter 23	Collect data from germination experiment; Meiosis and mitosis prepared slides; Mendelian genetics; lab teams	Intro, hypothesis, M&M for germination experiment study (beginning of lab)
10/12/16	Wed				
10/14/16	Fri				

10/17/16	Mon	Review genetics			Full report on germination experiment including results and discussion (beginning of lab); develop plan for independent experiment (end of lab)
10/19/16	Wed	Mid-term II		Population genetics, design study	
10/21/16	Fri	L13: Prokaryotes	Chapter 27		
10/24/16	Mon	L13: Prokaryotes (contd)	Chapter 27 Chapter 28	Plant diversity, begin research study	Research proposals due; Report for germination experiment (start of lab)
10/26/16	Wed	L14: Protists			
10/28/16	Fri	Recap			
10/31/16	Mon	L15: Plant diversity I	Chapter 29 Chapter 30	work on research study	
11/2/16	Wed	L16: Plant diversity II			
11/4/16	Fri	Recap			
11/7/16	Mon	L17: Photosynthesis	Chapter 10 Chapter 35	plant anatomy, work on research study	
11/9/16	Wed	L18: Plant structure and growth			
11/11/16	Fri	Recap			
11/14/16	Mon	L19: Plant transport	Chapter 36 Chapter 37	Prokaryotes, preliminary results	
11/16/16	Wed	L20: Plant nutrition			
11/18/16	Fri	Recap			
11/21/15	Mon	Thanksgiving recess		Thanksgiving recess	
11/28/16	Mon	Mid-term III			
11/30/16	Wed	L21: Reproduction in plants	Chapter 38	Fungi; work on reports	
12/2/16	Fri	Recap			
12/5/16	Mon	L22: Fungi	Chapter 31	Discussion of lab reports	Final full lab report; presentations (beginning of lab)
12/7/16	Wed				
12/9/16	Fri	Review			
12/12/16	Mon	Final exam			