

Bio 120: Natural History
Dr. Jennifer Maupin
Office: EBS 321
Phone: (805) 730-4196

Email: maupin@sbcc.edu; jlmaupin@pipeline.sbcc.edu
Office hours: M 11:10-1:00, TW 8:30-9:20 am; R 2:30-4:00, and by appointment

39639 Lecture: MW 9:35–10:55 am; EBS 210

Lab: W 11:10 – 2:15 pm; Locations noted in schedule on page 4 and on your lab schedule

Textbook: National Audubon Society Field Guide to California, by Alden and Heath.

Lab manual: Natural History: A Field Guide to the Natural Features of the Santa Barbara Area,
by Anderson and Maupin.

Supplies needed for labs: botany paper, plant specimen labels, scotch tape, glue stick, clear contact paper (provided by instructor)

Course overview: Bio 120 is an introduction to the natural history of the Santa Barbara area. Through lectures, labs, and field trips, we will explore this area as naturalists, examining plant and animal communities, ecological interactions, and physical influences on ecosystems.

Upon successful completion of this course, students should be able to:

1. Using modern classification, *distinguish major groups of organisms based on their structure, methods of acquiring energy, and life history.*
2. Identify and/or describe major ecological, geological, and historical forces that shape global and local landscapes.
3. Recognize common organisms of local habitats and the environmental factors, both physical and biological, that affect community structure. Describe the adaptations that make each species successful in their habitat.

This course satisfies the SBCC general education requirement in Natural Sciences, and is transferable to both UC and CSU. This course does not apply toward the Biology major at SBCC.

Course Requirements and Expectations: You are required to attend both the lecture and lab portions of this course to receive course credit. You are expected to attend every class meeting and initial the class roster at the beginning of each lecture. If you miss a class, it is *your responsibility* to obtain information and materials dispensed during that class period from a classmate. If you miss more than two labs or three lectures, you may be dropped from the course.

Note: If you complete and turn in fewer than 12 of the 14 lab assignments, you cannot earn a grade higher than a D for this course.

Disruptive behavior will not be permitted during lecture or lab periods. Your instructor will determine what constitutes disruptive behavior at her discretion, and disruptive students may be asked to leave. Here are some general rules:

- Arrive to class on time, and do not leave early or leave and return during class
- No use of cell phones or other electronic devices during lecture or lab, except for specific course activities approved by the instructor
- You must receive special permission from the instructor to use a computer or other electronic device during lecture or lab. Computers are only to be used for taking notes.
- Do not converse with your classmates (or yourself!) while the instructor or other presenter is addressing the class. *If you have a question or discussion item, please raise your hand.*
- Be respectful of your instructor, college staff, and your fellow students.

Inclusiveness: The SBCC community supports ALL students without regard to race, ethnicity, religion, national origin, immigration status, age, gender identity, sexual orientation, language, socioeconomic status, medical status or disability. As your instructor, I want to state my commitment to you and to upholding these ideals to the best of my ability. If you face discrimination or aggression inside or outside of the classroom I encourage you to come to me and I will help you identify resources and determine a plan of action. I am here to fully support you in your scholastic, professional, and personal growth. You can read the details of the official SBCC statement here:

http://www.sbcc.edu/boardoftrustees/files/board_resolutions/Resol%2017%20Student%20Success%20Support%20for%20all%20Students.pdf

Course Assignments:

	Points	% of Course Grade
Exam 1; Wed, Sept. 20	100	12.2%
Exam 2; Wed, Oct. 11	100	12.2%
Exam 3; Mon, Nov. 6	100	12.2%
Final Exam; Wed, Dec. 6	100	12.2%
Learning Resources Worksheet	10	1%
Lecture quizzes/activities	5 @ 10 pts. each = 50	6%
Lab assignments	13 @ 15 pts. each = 195	26%
Lab Final Exam; Wed, Dec. 9	100	12.2%
Independent Activity; Due Nov. 18	50	6%
Total Points	820	100%

Exams: Exams will primarily cover material from lectures and handouts, although there may also be questions from the assigned text, labs, or homework. I will review exam structure as each exam approaches.

Exam Make up policy: I understand that sometimes unforeseen conflicts with exam times may arise. If you have a conflict or think you will have to miss an exam, contact me **as soon as you become aware of a potential conflict** to see if we can arrange an alternative plan. I will consider each case individually, and a make up exam is NEVER guaranteed. Unless I hear from you **prior to the exam** and approve a request to take the exam on an alternative date, you will only be able to make up a missed exam if you have a note from a hospital or doctor stating that emergency circumstances beyond your control kept you from the exam.

Lecture quizzes: There will be six unscheduled lecture quizzes/activities. These will be a combination of in-class and homework assignments. In-class quizzes/activities will address material covered in the previous and/or current lecture period or homework assignments, and you will be allowed to use your notes. *Hint: Take good notes, and bring your class notes and assignments to lecture.* **There will be no make-ups.** Your lowest lecture quiz/activity grade will be dropped.

Labs: Consult the lab schedule on page 4 and your lab manual for information on where we will meet for lab each week. Most labs are field trips. Labs that meet off campus will begin 20 minutes after the regular lab time, at 11:30 am, and will finish by 1:50, so that students can return to campus by 2:15. Completed labs are to be turned in either at the end of that day's lab, or prior to the following week's lab, according to the instructor's directions. It is your responsibility to bring your lab worksheets and required materials to lab each week. **If you do not have your lab worksheet and materials during the assigned lab period, you will lose 3 pts from your lab grade for that week.**

You are responsible for your own transportation for off-campus labs, and **carpooling is encouraged.** Off-campus labs begin and end at the field trip location. If you do not have transportation to a lab, please inform me well ahead of lab time so that arrangements can be made. I will do what I can to accommodate students that need rides, so please talk to me if you do not have transportation.

Lab Make-up Policy: If you must miss a lab, contact me as soon as possible (before the missed class) to see if your lab absence will be excused. You are permitted one excused lab make-up for the semester, but you must get approval prior to the missed lab time.

Natural History Independent Activity: To complete the Independent Activity, you will spend some time on your own as a naturalist. Your grade will be based upon your field notes and a written description and analysis of this experience. More information on this assignment will be provided later in the semester.

Turn in assignments ON TIME: Assignments turned in late will be assessed a 10% penalty per day late. No assignments will be accepted after a week past their due date.

Your course grade: Points will be given for each assignment. Final grades will be determined according to the grading chart below. These grades are minimum guarantees **for students that have attended all lectures and labs and turned in all assignments**. For example, if you earn greater than 90% of all possible points, you are guaranteed an A. A student earning greater than 83% of points will receive at least a B. Use the chart on page 5 to help you keep track of your grade.

Course grade (minimum guaranteed)	Final Grade Determination	
	Percentage of total points	Number of points earned
A	90-100%	738 – 820
B+	87-89%	713 – 737
B	83-86%	680 - 712
B-	80-82%	656 - 679
C+	77-79%	631 - 655
C	70-76%	574 - 630
D	60-69%	492 - 573
F	0-59%	0 – 491

Your success: I want you to do well in this course. Please email or come to see me if you have any questions or problems with the course, assignments, or anything to do with your experience here at SBCC, or if you just want to chat about something. It is my job to help you succeed. If I am not able to directly help you, I will try to put you in touch with someone who can. Also, don't think that you should wait until a problem arises to come see or talk to me. Come anytime, no question is too small – students that attend class regularly and keep an open line of communication with the instructor typically perform better in the course. You should take advantage of opportunities to talk with your professors – we're here to help you learn!

Course Communication: I will communicate with the class using Canvas and your Pipeline email address. Check your Pipeline email regularly for class updates.

Academic honesty: Academic dishonesty (including plagiarism) will not be tolerated in this course. Refer to SBCC's academic honesty statement (directions to website are on your Learning Resources Worksheet) for standards of conduct and penalties. **All work submitted must be your own.**

Accommodations for Students with Disabilities:

Disability Services and Programs for Students (DSPS) coordinates all academic accommodations for students with documented disabilities at Santa Barbara City College. If you have or think you might have a disability that impacts your educational experience in this class, contact DSPS to determine your eligibility for accommodations.

DSPS is located in the Student Services (SS) Building, Room 160. Their phone number is [805-730-4164](tel:805-730-4164).

If you have already registered with DSPS, please submit your accommodation requests via the '**DSPS Online Services Student Portal**' as soon as possible. This needs to be done each semester. If you have any questions or concerns about your accommodations, make an appointment with a DSPS Counselor.

Please complete this process in a timely manner to allow adequate time to provide accommodations.

Lecture and Lab schedule. This schedule is subject to change by the instructor. However, every effort will be made to adhere strictly to the exam and assignment due dates given here. Updates to lecture or lab schedule and/or reading assignments will be communicated in lecture or through email.

Week	Dates	Lecture	Reading (Alden and Heath)	Lab
1	Aug. 21 & 23	Introduction; Biological Classification; Ecology	10-15, 31, 80-81	Lab 1: Introduction; SBCC Campus. <i>Meet in EBS 210.</i>
2	Aug. 28 & 30	Geology; WED: Learning Resources Worksheet due	16-21, 28-30	Lab 2: General Geology. <i>Meet at Arroyo Burro Beach.</i>
3	Sept. 4 & 6	MON: Holiday, no class WED: Evolution	80-90; esp. Algae and Lichens	Lab 3: Santa Barbara Geology. <i>Meet in EBS 210.</i>
4	Sept. 11 & 13	Biodiversity: Bacteria & Protoctists		Lab 4: Seaweeds. <i>Meet in EBS 210.</i>
5	Sept. 18 & 20	Botany: Plant Form & Function WED: Exam 1	36, 37, 66	Lab 5: Plant Communities. <i>Meet at Santa Barbara Botanic Garden.</i>
6	Sept. 25 & 27	Basic Reproduction; Plant Life Histories; Chaparral Community	91-169, skim species info	Lab 6. Chaparral. <i>Meet at Rattlesnake Canyon.</i>
7	Oct. 2 & 4	Plant/Animal Interactions; Ponds and Lakes	38-43	Lab 7. Pond and Lake. <i>Meet at Lake Los Carneros.</i>
8	Oct. 9 & 11	Start Zoology: Invertebrates WED: Exam 2	44- 45	Lab 8. Sand Dunes or Biodiversity, TBD <i>Meet in EBS 210.</i>
9	Oct. 16 & 18	Zoology: Invertebrates, cont.		Lab 9. Stream. <i>Meet at Rocky Nook Park.</i>
10	Oct. 23 & 25	Zoology: Vertebrates Island Ecology	48; 170-218, skim species info	Lab 10. Salt Marsh & Mud Flat. <i>Meet at Goleta Slough.</i>
11	Oct. 30 & Nov. 1	Vertebrates, cont.	37; 219-375, skim species info	Lab 11. Sandy Beach. <i>Meet in EBS 210.</i>
12	Nov. 6 & 8	MON: Exam 3	49	Lab 13. Overview. <i>Meet at Museum of Natural History.</i>
13	Nov. 13 & 15	Animal Behavior; Start Meteorology WED: Ind. Activity due		Lab 14. Monarchs and Meteorology. <i>Meet at Coronado Butterfly Preserve.</i>
14	Nov. 20 & 22	Meteorology, Climate and Weather, cont.; Rocky Shore	66-69; 48	Lab 12. Rocky Shore. <i>Meet in Isla Vista.</i>
15	Nov. 27 & 29	Conservation Ecology	58-65	Review for Lab/Field Final. <i>EBS 210.</i>

Final Lecture Exam: Wed. Dec. 6, 8am – 10am, EBS 210

Final Lab/Field Exam: Wed. Dec. 6 11:00 am – 1 pm, EBS 210 or 209 (TBA)

Here's a chart to help you keep track of your grade. To calculate your grade throughout the semester, add up all the points you have earned and divide that by all the points that have been offered for those assignments. Multiply this number by 100 for your percentage score.

Lecture grades:	Points earned / Points offered	Lab grades:	Points earned / Points offered
Exam 1	___ / 100	Lab 1	___ / 15
Exam 2	___ / 100	Lab 2	___ / 15
Exam 3	___ / 100	Lab 3	___ / 15
Final Exam	___ / 100	Lab 4	___ / 15
		Lab 5	___ / 15
Learning Resources Worksheet	___ / 10	Lab 6	___ / 15
Lecture quiz 1	___ / 10	Lab 7	___ / 15
Lecture quiz 2	___ / 10	Lab 8	___ / 15
Lecture quiz 3	___ / 10	Lab 9	___ / 15
Lecture quiz 4	___ / 10	Lab 10	___ / 15
Lecture quiz 5	___ / 10	Lab 11	___ / 15
Lecture quiz 6	___ / 10*	Lab 12	___ / 15
		Lab 13	___ / 15
Independent Activity	___ / 50	Lab 14	___ / 15
		Lab Final Exam	___ / 100

* When calculating your grade, don't forget to drop your lowest quiz grade in the final calculation. Your lowest quiz grade will be converted to a zero in my grade calculations, and the total number of points offered for lecture quizzes will be reduced by 10.

