

BIO 142, Marine Science - Online, Fall 2019

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Course Website: BIOL142 tab in Canvas

<http://marinebio.net/marinescience/index.htm>

Course Description: This course will introduce students to the basic concepts of marine science, including an introduction to oceanography and marine biology. By the end of the semester, students will have a general understanding of ocean properties, marine ecology of the tropics, poles, temperate and deep-sea regions, and marine environmental concerns.

This is a three-unit non-major's biology course which satisfies the SBCC General Education requirement in Natural Sciences. This course is transferable to the UC & CSU as a general education life science course. Biology majors are welcome to take this course, however they will not receive credit toward their major for this course.

The 'textbook' for this course is <http://marinebio.net/marinescience/index.htm>. All assignments, quizzes and exams will be submitted via Canvas.

Assignments

All assignments are due by midnight PST (Pacific Standard Time) on the date indicated on the syllabus. **If you live in another time zone, you MUST adjust accordingly!** All assignments can be completed and turned in any time prior to the due date. All assignments are open note and will be available on the first day of class until one week after the due date.

Syllabus quiz

When you have finished reading all the information in this syllabus, you must take a 10 point quiz about the information contained here. You will not be able to open, complete or submit any other assignments until you have done this. You must get all 10 answers correct. You can take the quiz as many times as you need to get all the answers correct. Anyone who has not taken this quiz by Sept. 6 will be dropped from the class.

Quizzes

There will be 6 topic quizzes worth 20 points each. Each quiz will be based on the reading material associated with each topic on the marinebio website (e.g. <http://marinebio.net/marinescience/01intro/index.htm> contains the information for topic 1: introduction and that is the material quiz 1 will cover; <http://marinebio.net/marinescience/02ocean/index.htm> contains information for topic 2: physical ocean which is the information that will be covered by quiz 2). All quizzes are multiple choice and will be taken on Canvas.

Quizzes are due roughly every two weeks. Be sure to check the schedule at the end of the syllabus for exact dates. Consideration for late quizzes will only be given with a documented emergency.

Exams

There will be 3 exams, each worth 100 points. All exams will consist of 100 multiple choice questions and **you will have 60 minutes to complete it**. Each exam will cover the information presented over 2 topics. Please note: **you will not be able to take an exam until you have completed the quizzes associated with that exam's topics**. In other words, **in order to take**

exam 1, you MUST have completed quizzes 1 and 2. If you miss a quiz and the time window to take that quiz has closed, then you will be in deep trouble! Do not fall behind!

Note: the point of these exams is to assess how well you've learned and understand the information presented on the marinebio website. If you simply plan to read each question, then look up the information on the website or other internet source, you very likely will not have time to finish the test. If you want to have time to finish and do well on the exams, you will need to study the material and prepare prior to taking them. Topic quizzes will model what the exam questions will be like.

Students who do not complete exam 1 will be dropped. **To pass the class, you must take all 3 exams.**

Writing Assignments

In addition to quizzes & exams, you will do 3 formal writing assignments: a Field Trip write up worth 75 points, a Scientific Experiment Report worth 75 points, and a Marine Journal Report worth 70 points. Detailed instructions and due dates for each of these are posted in the very first module, called "Written Assignments".

Submitting Assignments

All **documents must be saved as a .doc, .docx, .rtf, .txt, or a .pdf file** before they are uploaded and submitted. **Canvas and Turnitin.com CANNOT read .pages or google docs** so do NOT submit assignments in those formats. Assignments submitted in either of those formats (.pages or google docs) cannot be read or graded and thus will receive a score of 0.

Discussion

Group discussions will take place in the discussion forum on Canvas. This forum is a place where you can engage in discussions with your classmates about relevant course material. You will be expected to participate in at least two (2) group discussions during the semester. You will enter this forum by selecting the "discussion" tab at the left of the class homepage in Canvas. Once in the discussion forum, you will post a topic and/or reply to a topic posted by another student. Each discussion submission should be **at least 5 sentences long** and each is worth 25 points. You can post a discussion at any time during the semester. Just **be sure you have completed both of them by the last day of instruction, Dec. 7, 2019.**

If you are wondering what an appropriate discussion topic might be, you might consider one of the following: post a link to the article you read for your Journal Report and give your thoughts or opinions about it; talk about where you went on your field trip and what you learned; or simply comment on a class topic you found interesting (e.g. "I was fascinated to learn...."). Of course you can also respond to another student's post. Again, just be sure each submission is relevant, thoughtful, and at least 5 sentences in length.

Late Work

Unless previously approved, any work submitted late will incur a **10% reduction in points for each day it is late. All work submitted a week or more past its due date will receive a score of 0.**

Attendance

If a student fails to submit any assignments over a period of 2 weeks or more, they will be considered as "no longer attending" and is subject to being dropped from the class.

Course Grading

Points are earned as follows:

Assignment	# due	Points per	Total points	% of grade
Syllabus quiz	1	10	10	1%
Quizzes	6	20	120	17%
Exams	3	100	300	43%
Field Trip Report	1	75	75	11%
Scientific Experiment	1	75	75	11%
Journal Report	1	70	70	10%
Discussion	2	25	50	7%

NOTE: 10% per day late will be deducted from grades for all late assignments. Assignments that are submitted past one week of their respective due date will not be accepted and will earn a score of 0.

Your final grade in this course will be calculated as the % of the total possible of 700 points you earn during the course. Your corresponding letter grade will be assigned using the scale below.

Depending on the overall performance of this class, these percentages may be lowered, but they will not be raised. Therefore, anyone who earns 90% or above is guaranteed an A grade. Anyone who earns 80% or better is guaranteed at least a B, and so on.

GRADE	TOTAL PERCENTAGE	TOTAL POINTS ACCRUED
A+	100-97%	700-676
A	96-90%	675-627
A-	89%	626-620
B+	88-87%	619-606
B	86-80%	605-557
B-	79%	556-550
C+	78-77%	549-536
C	76-70%	535-487
D	69-60%	486-417
F/FW*	59-0%	416-0

* An FW will be assigned to any student who **earns less than 417 points and did not complete 90% of the assignments**. This means you need to complete at least 13 of the 15 assignments to earn an F. If you stop attending but take the last exam thinking that means you "completed the class", you are wrong. Completing the class means completing at least 90% of the assignments.

Students taking pass/no pass must get at least 70% to pass the class.

Please note that when I assign **final grades**, unless there is a clear and verifiable error (e.g. missing points for a completed assignment or a math error), those grades **are final**. Trust me, there is not a teacher on this planet who likes it when a student asks them to reconsider the grade they received. In fact, it annoys the crap out of us and will usually end up working against you – i.e. "Now you've annoyed me! There will be no favors here!" The take home message...there will be no changing your grade so please don't ask.

Also please understand that when I determine final grades I put a lot of thought into it. I start by looking at the total number of points you actually earned. In most cases this is all that matters - your points fall clearly in the middle of a grade range - and you will be assigned the grade that corresponds to the points you earned (see scale above). If, however, your final point tally is on the edge between 2 grades, then I look at things more closely. I know you would prefer to have the higher grade! So, what I try to determine is whether or not you have earned the bump up to that higher grade. To do this I take in to account many things. I will look at factors such as: did you do all the work or are there missing assignments; did you come to class on time and not leave early; were you engaged in class (e.g. asked questions, paid attention, weren't sleeping or on your phone, etc.); did you show improvement over the semester; and even what your average scores were on the tests. After considering all these things, I will make my final decision and, again, that decision is final. If you send me an email asking me to reconsider, then, well, reread the paragraph above.

It is important that you realize your grade is the result of your performance on the quizzes, tests and other assignments. **You must take responsibility for your own grade!** As your instructor, my job is to provide you with the information you need to know and understand. I will try my hardest to do this through clear and interesting presentations of the material. Your job as a student is to learn it, use it, and understand it. If you are having difficulty doing this, **it is your responsibility to seek help**. Do NOT wait until the last 2 weeks of the semester to do this.

Extra Credit. There isn't any. Just do all the work. If you are having trouble understanding information, please ask me for help. That is what I am here for and am happy to provide additional explanation.

Policy on Cheating. Santa Barbara City College has a strict policy on academic honesty and I maintain a **zero tolerance for any act of academic dishonesty**. **Academic dishonesty**, as defined by myself and SBCC, **includes**, but is not limited to: **cheating on an exam (e.g. looking at or copying from someone else's exam, talking to someone during an exam, using cell phones or texting, bringing prepared "cheat sheets", using translators or dictionaries) copying someone else's work or answers on worksheets or assignments, plagiarism, or submitting a paper written wholly or in part by someone else. All instances of academic dishonesty will be reported to the academic dean** for institutional action. In addition, the dishonest student will receive a zero score for the exam/assignment on which the cheating occurred.

NOTE: All assignments (except multiple choice quizzes and exams) **must be answered in your own words**. All submitted assignments will be checked by Turnitin.com to detect any plagiarism (e.g. answers that you cut and paste from the internet or copy from another student). Any assignment that has a turnitin.com similarity score of 15% or more will not be graded and will earn 0 credit and the incident may be reported to the Dean of Students.

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 162. 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. *Once submitted and confirmed, make arrangements to visit with a counselor about your specific accommodations.*

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

Student Learning Outcomes:

1. Physical - Summarize the physical marine environment on Earth, historically, geologically and chemically (seawater) including how changes may cause phenomena such as El Nino.
2. Geographical - Describe physical, biological properties & ecological properties of major marine environments such as Coral Reefs, Polar environments, and Deep-sea
3. Scientific Method – Understand the why & how of the scientific method. Apply the scientific method- ask a question, create a hypothesis, design an experiment, gather data, interpret data.
4. Environmental - Recognize the interconnected marine environment on Earth by identifying the oceans' major migrators and their adaptations to this lifestyle and by summarizing worldwide marine environmental concerns and solutions.

Course Due Dates – Fall 2019

Topic	Assignment	Due
	Syllabus quiz	Sept. 3
1 – Introduction 1.1 – Beginnings 1.2 – The World Ocean 1.3 – Tools of the Oceanographer	Quiz 1	Sept. 9
	Scientific Expt. Report	Sept. 20
2 – Physical Ocean 2.1 – Seawater 2.2 – El Niño/La Niña 2.3 – Marine Geology 2.4 – Hawaii, Born of Fire	Quiz 2	Sept. 30
	Exam 1	Oct. 7
3 – Marine Ecology 3.1 – Marine Life 3.2 – Tidepools 3.3 – Sandy Beaches 3.4 – Mud Flats 3.5 – Estuaries (optional – you will not be tested on this material)	Quiz 3	Oct. 21
	Field trip report	Oct. 28
4 – Bottom Dwellers 4.1 – Coral Reefs 4.2 – Deep sea 4.3 – Antarctica 4.4 – The Arctic	Quiz 4	Nov. 4
	Exam 2	Nov. 12
5 – Water Dwellers 5.1 – Salmon 5.2 – Marine Turtles 5.3 – Elephant Seals 5.4 – Gray Whales 5.5 – Killer Whales	Quiz 5	Nov. 22
	Journal Report	Dec. 2
6 – Oceans Future 6.1 – Outlook 6.2 – Abalone (a case study) 6.3 – Whaling (a case study) 6.4 - Mariculture	Quiz 6	Dec. 6
	2 Discussion submissions Exam 3	Dec. 7 Dec. 12