

KINGSBOROUGH COMMUNITY COLLEGE
DEPARTMENT OF BIOLOGICAL SCIENCES

BIO 52: MARINE BIOLOGY
SYLLABUS & COURSE OUTLINE
Summer 2020

KRISTIN POLIZZOTTO

Office: Room S-116, Telephone: (718) 368-5722, E-mail: Kristin.Polizzotto@kbcc.cuny.edu

BIO 5200 –MARINE BIOLOGY (4 crs. 6 hrs.)

Lecture and laboratory study of interrelationships between various environmental factors (physical, chemical and biological) and the distribution and physiology of selected marine organisms. Special attention to ecological techniques and taxonomic methods. Field trips supplement laboratory work. This course satisfies the elective credit requirement for Biology Majors. Prerequisites: BIO 1400 and CHM 1100.

Lecture: Tues & Thurs 9:00 am-12:00 pm, room TBA (check CUNY 1st)

Lab: Tues & Thurs 1:00-4:00 pm, S-226

Office hours: Tues & Thurs 12:00-1:00 pm, S-116

STUDENT LEARNING OUTCOMES

Learning outcomes are listed below and indicate what each student is expected to know upon completion of the course. Throughout the semester, specific objectives will be given for each topic covered.

1. Demonstrate knowledge of the fundamental concepts of marine biology.
2. Demonstrate knowledge of and an appreciation for marine environments and their indigenous organisms, with particular attention to areas surrounding KCC.
3. Demonstrate proper use of equipment/sampling techniques in the marine environment and in the laboratory, including collection and identification of marine organisms.
4. Complete and present research experiences in marine biology.
5. Demonstrate knowledge and appreciation of human interactions with the marine environment.

Textbook: *Marine Biology*, Author: Peter Castro and Michael E. Huber, Publisher: McGraw-Hill Higher Education, Edition: 7th, Year Published: 2007, ISBN: 978-0-07-302819-4. Available for free at: https://ia601301.us.archive.org/14/items/Marine_Biology_by_Peter_Castro/Marine_Biology_by_Peter_Castro.pdf

Laboratory Manual: *Laboratory & Field Investigations in Marine Life*, Author: Cass-Dudley, G.H.Dudley, Sumich, Publisher: Jones & Bartlett Learning, Edition: 11th, Year Published: 2018, ISBN: 9781284090543

You will also need a lab coat, surgical gloves, protective eye goggles, and close-toed shoes in the laboratory. Lab coats and shoes are **required** every week, or you will not be permitted to remain in the lab. I will let you know which weeks require gloves and goggles in advance, or you may check your syllabus.

GRADE CALCULATION

Lecture:	Examinations (3 best)	30%
	Final exam	20%
Laboratory:	Lab Quizzes (5 best)	20%
	Research project	20%
	Field trip reports	10%
	TOTAL	100%

Please retain all your graded, returned work until the end of the semester to keep track of your grade. In general, the following policy applies.

97-100	A+	83-86	B	70-72	C-
93-96	A	80-82	B-	67-69	D+
90-92	A-	77-79	C+	60-66	D
87-89	B+	73-36	C	0-59	F

Assignment Details (additional information will be provided in class):

Exams (30%) and quizzes (20%):

All exams and quizzes will be given through Blackboard. The dates for each are noted on the accompanying schedule. **No late exams or quizzes are accepted without acceptable documentation**, but the lowest quiz score and the lowest exam score (excluding the final exam) will be dropped.

Field trip reports (10%):

The class will go on several field trips to places such as the American Museum of Natural History, the NY Aquarium, Governor's Island, and others. Based on your experiences, you will be required to complete a report. Details and format will be presented prior to each field trip and posted on Blackboard.

Research project (20%):

Each lab group will participate in an ongoing longitudinal research project, which will involve studying marine organisms. Findings will be presented in the form of a written report. Each lab group will make an oral presentation during the last lab. Further instructions will be provided in lab.

Extra Credit Assignment:

Extra credit may be assigned at the discretion of the instructor, provided there is time during the term.

COURSE POLICIES

Safety:

Observe all safety precautions, as instructed in the laboratory. They are for your protection. Each student is responsible for the proper and safe maintenance of their work area; bench tops and equipment must be properly maintained. Detailed safety instructions will be distributed during the first lab.

Research outside of class:

Certain exercises and assignments will require you to collect data or do other work outside of class. You are expected to devote your time to complete the projects. In many cases, you will be part of a group. Each individual is expected to make an equitable contribution to ongoing group projects.

Deadline Dates:

Deadlines for all work are provided in the course schedule posted on blackboard, and in the instructions for each assignment. **No late work is accepted without acceptable documentation** (see instructor).

Civility

Kingsborough Community College is committed to the highest standards of academic and ethical integrity, acknowledging that respect for self and others is the foundation of educational excellence.

Civility in the classroom and respect for the opinions of others is very important in an academic environment. It is likely you will not agree with everything that is said or discussed in the classroom. Courteous behavior and responses are expected. Therefore, in this classroom, any acts of harassment, and/or discrimination based on matters of race, gender, sexual orientation, religion, and/or ability are not acceptable.

Whether we are students, faculty, or staff, we have a right to be in a safe environment, free of disturbance and civil in all aspects of human relations.

Attendance

You are expected to attend all lectures and labs. It is ALWAYS better to see the instructor BEFORE an absence if possible. If you miss a lecture or lab, contact the instructor as soon as possible to find out what you have missed. Make sure to get notes from a classmate. Please note that a grade of "incomplete" (INC) is not automatically assigned for students who are absent or who fail to turn in assignments, quizzes, or exams. A grade of WU may be assigned if you stop attending class without contacting the instructor.

Academic integrity

All of the work on quizzes, exams, and assignments must be your own. You must write them yourselves. Do not get someone to write any part of it for you, and do not copy and paste any part of it from another source. For the project, the instructor will give you instructions on how to properly paraphrase and cite your sources. It is almost always very obvious when you have not written the paper yourself, and if you choose to plagiarize you will receive a zero on the assignment. All written work will be submitted through Blackboard and checked using SafeAssign. If you are not sure what plagiarism is, see the paragraph below or turn in a draft and have me check it ahead of time, or make use of the SafeAssign feature on Blackboard. Any work that is not properly attributed will receive a grade of zero.

Plagiarism is the use of others' words and/or ideas without clearly acknowledging their source. As students, you are learning about other people's ideas in your course texts, your instructors' lectures, in-class discussions, and when doing your own research. When you incorporate those words and ideas into your own work, it is of the utmost importance that you give credit where it is due. Plagiarism, intentional or unintentional, is considered academic dishonesty and all instances may be reported to the Academic Judiciary. To avoid plagiarism, you must give the original author credit whenever you use another person's ideas, opinions, drawings, or theories as well as any facts or any other pieces of information that are not common knowledge. Additionally quotations of another person's actual spoken or written words, or a close paraphrasing of another person's spoken or written words, must also be referenced. Accurately citing all sources and putting direct quotations – of even a few key words – in quotation marks are required.

Accessibility

Access-Ability Services (AAS) serves as a liaison and resource to the KCC community regarding disability issues, promotes equal access to all KCC programs and activities, and makes every reasonable effort to provide appropriate accommodations and assistance to students with disabilities. Please contact this office if you require such accommodations and assistance. Your instructor will be glad to make the accommodations you need, but you must have documentation from the Access-Ability office for any accommodations.

* Please note that the instructor reserves the right to make reasonable changes to these policies as necessary during the semester. Any changes will be announced in advance in class and on Blackboard.