

# Syllabus

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**Course Code:** ENVR 111

**Title:** Oceanography

**Institute:** STEM

**Department:** Environmental Science

**Course Description:** This introductory laboratory science course focuses on the fundamental principles of ocean science including the geography and geology of ocean basins, the chemistry of seawater, the physical dynamics of currents, waves, and tides, and biological composition of the world's oceans, and coastal processes. The relationships and interactions among these oceanic components and processes will be analyzed. Laboratory and field experiences will include the use of computer simulations, scientific data collection and interpretation, examination of in-situ coastal processes, chemical analyses of seawater and the collection of marine organisms.

**Prerequisites:** MATH 021 or MATH 025 or satisfactory completion of the College's basic skills requirement in algebra.

**Credits:** 4

**Lecture Hours:** 3

**Lab/Studio Hours:** 3

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**Required Textbook/Materials:** Essentials of Oceanography, 13th edition, Alan P. Trujillo Palomar College Harold V. Thurman, Published by Pearson (February 5, 2019) © 2020

**Additional Time Requirements:** The course has a laboratory requirement. Students are required to attend labs that take place outdoors at the Sandy Hook National Recreation Area.

**Additional Support/Labs:**

See <https://www.brookdalecc.edu/academic-tutoring/>

**Course Learning Outcomes:**

Upon completion of this course, students will be able to:

- Explain the basic theories, concepts and ideas behind the physical, chemical, geological and biological components that shape the world's oceans.
- Analyze and interpret oceanographic process and oceanographic issues including the physical, chemical, geological and biological components of the world's ocean systems.
- Understand and appreciate the importance of Oceanography in today's rapidly changing world.
- Describe the common techniques employed within the study of oceans.

- Identify and demonstrate the proper use of equipment in oceanographic research.
- Identify and characterize several representative marine organisms.

### **Department Policies:**

Attendance during class and laboratory sessions is strongly recommended for optimum performance in the course.

Lecture exams will be given in class or the Testing Center at the discretion of the instructor.

Lab practicals will be given during lab sessions, at the designated times. A student who misses an exam or lab practical must provide prior notification and proper documentation to take the exam or practical. The acceptance of prior notification and proper documentation will be determined by the course instructor.

Documentation must be provided within one week of the student's return to the classroom for a make-up exam or practical to be scheduled. A student who is unable to provide proper documentation will be given a grade of zero for the missed exam or practical. Students may not re-take exams or practicals on which they perform poorly. Requirements for the completion of laboratory are listed in the laboratory responsibility sheet for the course. Requirements for course completion are listed in individual instructor syllabi.

### **Grading Standard:**

A student must have an average of 65% or better for the combined classroom and laboratory (hands-on) components of the course to earn a passing grade for the course.

Upon completion of the course, grades will be assigned as follows:

<u>LETTER GRADE</u>	<u>NUMERICAL GRADE</u>
A	90 – 100%
A-	88 – 89%
B+	85 – 87%
B	80 – 84%
B-	78 – 79%
C+	75 – 77%
C	70 – 74%
D	60 – 69%
F	less than 60%

Unit examination results will be reported as the grade assigned by the faculty calculated to the first decimal place. These grades will be weighed according to course grading policy.

In calculating the course grade, 0.5 will round up to the next numerical grade and 0.4 will round down to the next lower numerical grade.

*\*The syllabus is intended to give student guidance in what may be covered during the semester and will be followed as closely as possible. However, the faculty member reserves the right to modify, supplement, and make changes as the need arise.*

### **College Policies:**

As an academic institution, Brookdale facilitates the free exchange of ideas, upholds the virtues of civil discourse, and honors diverse perspectives informed by credible sources. Our College values all students and strives for inclusion and safety regardless of a student's disability, age, sex, gender identity, sexual orientation, race, ethnicity, country of origin, immigration status, religious affiliation, political orientation, socioeconomic standing, and veteran status. For additional information, support services, and engagement opportunities, please visit [www.brookdalecc.edu/support](http://www.brookdalecc.edu/support).

For information regarding:

- Academic Integrity Code
- Student Conduct Code
- Student Grade Appeal Process

Please refer to the [student handbook](#) and [catalog](#).

### **Notification for Students with Disabilities:**

Brookdale Community College offers reasonable accommodations and/or services to persons with disabilities. Students with disabilities who wish to self-identify must contact the Accessibility Services Office at 732-224-2730 (voice) or 732-842-4211 (TTY) to provide appropriate documentation of the disability and request specific accommodations or services. If a student qualifies, reasonable accommodations and/or services, which are appropriate for the college level and are recommended in the documentation, can be approved.

### **Mental Health:**

24/7/365 Resources:

- Monmouth Medical Center Psychiatric Emergency Services at **(732) 923-6999**
- 2nd Floor Youth Helpline – Available to talk with you about any problem, distress, or hardship you are experiencing. Call or text at **888-222-2228** or visit the website at <https://www.2ndfloor.org/>

Faculty Counselors:

- Students who need to make an appointment with a faculty counselor can do so by calling 732-224-1822 (non-emergency line) during business hours. Faculty counselors are licensed mental health professionals who can assist students and refer them to other mental health resources.

**Diversity Statement:**

Brookdale Community College fosters an environment of inclusion and belonging. We promote a safe and open culture, encourage dialogue respecting diverse perspectives informed by credible sources, and uphold the virtues of civil discourse. We celebrate all identities with the understanding that ultimately, diversity, equity, and inclusion cultivate belonging and make us a stronger Brookdale community.