GEOL 1445 Oceanography ONLINE  
Summer Syllabus

Instructor: Susan White  
Email: SLWhite@dcccd.edu

Office: K117 (knock on the door)  
Office Phone: 972-860-4762 (no text messages)

Office Hours: See my on-campus schedule posted on eCampus, and I will be checking email almost every day.

Guidelines and Policies

Prerequisite: Developmental Reading 0093 or English as a Second Language (ESOL) 0044 or have met the Texas Success Initiative (TSI) standard in Reading.

Course Description: This is an introductory study of the geological, chemical, physical and biological characteristics and processes of Earth’s oceans. Topics include the formation of ocean basins and geologic materials, composition of seawater, currents, waves and tides, oceanic interaction with the atmosphere, marine pollution, marine resources, and life in the ocean. (3 Lec, 3 Lab.)

Coordinating Board Academic Approval Number 4006015103

Student Learning Outcomes: Upon successful completion of this course, you will be able to:

- Examine and evaluate the tectonic processes that have created the ocean basins, produced the sediments of the ocean floors and influenced the physical and chemical properties of the seas.
- Summarize the physical and geological processes affecting coastal waters and shoreline systems.
- Identify the biology of benthic and pelagic environments, including biological productivity.
- Discuss the history of human interaction and involvement with the oceans and marine science and appraise the exploitation and pollution of marine resources.
- Use appropriate techniques in the laboratory, collect and analyze meaningful data, and present clearly written laboratory results.
- Use a variety of devices and instruments in taking laboratory measurements.


**Laboratory exercises will be posted on eCampus.** Each lab will be submitted by completing questions in a “test” format. It is NOT a test and you may save your answers and return later, but I encourage you to be ready and try to complete it in one sitting. PLEASE DON’T JUST LEAVE IT SITTING OPEN!! ALSO, some labs require you to scan or take a picture of some of the pages that you have completed. These will be submitted through a 2nd submission link. **All pages you submit for labs MUST be in pdf format unless otherwise noted. Jpeg format is not acceptable.** If you do not have a scanner attached to a printer, there are several free apps. Two good ones are "Genius Scan" and "Scanner Pro." Both have upgrades that require a payment, but the basic free app should be more than enough for our requirements here. Ask for help if you don’t know how to do this. Also, you might want to install the free Adobe X reader from [http://get.adobe.com/reader/](http://get.adobe.com/reader/).
Evaluation Procedures:

Lecture:
 Four lecture tests - 52%
 Quiz and “Lecture” assignments - 13%

* Lab: 35%

CLASS TOTAL 100%

* IMPORTANT: The lab grade will count 35% of the total course grade. A student who fails the lab portion will receive an F for the course.

Grading Scale
90-100 A
80-89 B
70-79 C
60-69 D
0-59 F

On eCampus there is a running total for your overall weighted class grade and a running grade for your lab average. If you have difficulty accessing eCampus, please let me know ASAP.

INSTITUTIONAL POLICIES: See the link below:
https://www.Brookhavencollege.edu/syllabusaddendum

FINALLY... All students in this course are expected to abide by the rules and regulations as set forth in both the DCCCD Student Code of Conduct and the DCCCD Rules for Responsible Computing. Failure to comply may result in legal and/or disciplinary action.

NOTE: Learning Outcomes -Because this course is a choice for core curriculum credit, the following OBJECTIVES and COMPETENCIES are covered in accordance with the District curriculum process.

EXEMPLARY EDUCATIONAL OBJECTIVES:

1. To understand and apply method and appropriate technology to the study of the natural sciences.
2. To recognize scientific and quantitative methods and the differences between these approaches and the other methods of inquiry and to communicate findings, analyses and interpretation both orally and in writing.
3. To identify and recognize the differences among competing scientific theories.
4. To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values and public policies.
5. To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to modern culture.

INTELLECTUAL COMPETENCIES:

1. READING—the ability to analyze and interpret a variety of printed materials—books, documents and articles—above 12th grade level.
2. WRITING—the ability to produce clear, correct and coherent prose adapted to purpose occasion and audience—above 12th grade level.
3. LISTENING—analyze and interpret various forms of spoken communication, possess sufficient literacy skills of writing, reading—above 12th grade level.
4. CRITICAL THINKING—think and analyze at a critical level.
5. COMPUTER LITERACY—understand our technological society, use computer-based technology in communication.
CLASS PROCEDURES

Check eCampus This class is available through eCampus only. If you have difficulty accessing the information, notify me IMMEDIATELY at SLWhite@dcccd.edu or call 972-860-47612 (no text messages) so you don’t fall behind.

Check your email. Make sure Brookhaven has your correct email address. Make sure MY address is not blocked or sent to the bulk mail bin. Check BOTH eCampus and your email address often for announcements.

Attendance: This class moves quickly. It is crucial that you keep up with the deadlines for labs, lecture assignments, and suggested reading assignments. If you have questions, call or email me. Do not fall behind!

Lecture Notes: A copy of “lecture” notes for each topic will be posted under the “Voyage” or unit for each major test section. A review sheet will also be posted with suggestions on details to study.

Quiz – The ORIENTATION QUIZ does count as a grade, but you may take it as many times as you like and I will record the highest score.

Major Tests – A major test is given for each of 4 “Voyages” or units. You will use the Respondus Lockdown Browser for these tests. A practice quiz for Respondus Lockdown will be available before the first test so you will know how it works. The tests will consist of 50 questions and you will have one hour minutes to complete it. You are allowed only one attempt to take each major test. If something happens and you cannot complete the test, you will need to take a make-up exam available only on campus at a designated time.

Lecture Assignments: A few assignments will be given throughout the semester. They will have specific due dates for completion. They may include taking notes on a video, a current event report, a trip to an Asian food market, and a virtual research voyage. You will be alerted by email when this happens.

Lab Materials: DO YOUR LAB WORK IN PENCIL - you may want to change an answer! Occasionally you may be asked to purchase some inexpensive items to complete a lab. These will be listed in the lab exercise. You might make sure you have a calculator, map pencils, two long rulers, and some sort of magnifying glass to start with.

- I encourage you to keep all your work in a folder or binder especially for this class. You should keep this syllabus, notes, and lab work all in one place. This organization now will pay off later.

Lab Activities: Each lab exercise will be posted on eCampus and has background information, pre-lab questions, and the actual lab questions and experiments. Instructions on how to post the lab is explained for each voyage.

***For some labs, there will be a chance to come on campus and use our equipment to complete certain parts. While not required, it is a fun option to consider.
We will explore concepts that may enrich and deepen topics studied in lecture. Sometimes the topics will coincide with lecture, but sometimes they will not. The class calendar indicates this timing and when your work is due.

**Late Labs:** I accept late work *for ½ credit* if turned in within 1 week.

**Please-Please-Please Ask Questions:** Don’t hesitate to ask! I encourage you to call, email me or come by and talk to me. Letting your curiosity loose and finding answers to questions is what this is all about.