Date - Lecture Topic - Reading assignment


Jan. 24 – 27 Currents & Tides (in lab) 48-57, 256-258, 57-62

Jan. 29, 31 & Feb. 1 Phytoplankton, Algae 64-71, 85-97, 344-346, & Sea Grasses 373-375, Chap. 6

Feb. 5, 7 & 10 Forams, Radiolarians & Sponges 97-99, 117-121

Feb. 12, 14, 17 & 19 Cnidaria & Ctenophora 121-125, Chap. 14

Feb. 21 (Fri.) FIRST HOUR EXAM

Feb. 24 – Mar. 20 Mollusca 130-137, 376

Mar. 9 – 13 SPRING BREAK

Mar. 20 - 22 FIELD TRIP TO SOUTH PADRE ISLAND

Mar. 23 - 25 Annelids 128-130

Mar. 27 - Apr. 1 Crustaceans & other Marine Arthropods 137-143

Apr. 3 (Fri.) SECOND HOUR EXAM

Apr. 6 - 8 Echinoderms 141-145

Apr. 10 - SPRING HOLIDAY

Apr. 13 & 15 Hemichordata, Urochordata, Cephalochordata & Chaetognatha 148-149, 127-128

Apr. 17 & 20 Marine Fishes Chap. 8

Apr. 22 Marine Reptiles 179-184

Apr. 24 & 27 Marine Birds & Mammals 184-213

Apr. 29 Zooplankton 225-235, 347-350
357-371, 375-383

May 1 Marine Pollution Chapter 18
Select Topic

May 6 (Wed. 10:30-12:30) FINAL EXAM

Textbook: Marine Biology by P. Castro & M. E. Huber 11th Edition. The 9th edition is available on the Internet and will do fine for this course. There is no formal lab manual for this course.
Grading - Your grade in this course will be determined in the following manner. Each of the three hour exams is worth 25% of your final numerical average. The remainder of your grade will be determined by the average of your three laboratory exams. This lab average is also worth 25%. Your grade will be determined solely by these six exams. Your hospitalization is the only excuse for missing a scheduled lecture or laboratory exam. Students participating in off-campus University excused activities will be required to complete exams before departing the University campus. There is no additional make-up work that can be done to improve your final average. Excessive absenteeism will affect your final grade in this course and is discussed below.

Attendance - You are allowed three absences during the course of this semester. These three absences are considered excused (no questions asked). Each additional absence in excess of these three will be considered unexcused and will result in the loss of one point each from your final numerical average at the end of the semester. Example - 13 absences will result in the loss of a letter grade from your final average. Attendance is defined as being present when the roll is taken at the beginning of the class period. Students who are continually tardy to class will be considered absent and will consequently receive a lowering of their final average. The same rule applies to students who depart class without obtaining prior permission. Cell phones and beepers should be left at home or in the lab - do not bring them to class. Additionally, no food or drink is allowed to be consumed during the class period as this is distracting to other students. This class meets too close to the lunch hour for this to be permitted.

Field Trip - Due to the loss of dormitory space at the coast site and the rising cost of university van expenses, it is no longer possible to take all members of the class on the collecting trip to the Gulf of Mexico. Current travel space will accommodate only eight students on the field trip. Those eight students with the highest lecture and laboratory averages on the first exams will be eligible to participate in the field trip. Should an eligible student not be able to go on the field trip, then the person with the next highest average (#9) will be allowed to attend. A student with a high average will not be allowed to give his or her "spot" to another student. Excess absenteeism will be factored into those student averages wishing to attend the field trip. In the case of a "numerical tie" between two students, the selection will be decided by a coin toss. Participation in this field trip will add five points to your final lab average. Students participating in the field trip will, however, be required to make collections of 20 species of common mollusk shells and 10 species of algal herbarium mounts. These collections will be turned in, graded, and returned to you. Failure to properly make these collections will result in the loss of a letter grade from the student's final average.

Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. Students are responsible for understanding the Academic Honor Code, which is contained in both print and web versions of the Student Handbook. Persons with disabilities which may warrant academic accommodations must contact the Student Life Office, Room 112 University Center, in order to request such accommodations prior to any accommodations being implemented. You are encouraged to make this request early in the semester so that appropriate arrangement can be made. Religious holidays will be observed in accordance with OP 10.19.
BIOLOGY 4412 - BIOLOGICAL OCEANOGRAPHY

LABORATORY SCHEDULE – THURSDAY 2:00 –5:00 - CAV. 110

SPRING - 2020

Jan. 16 - Microscope use & misuse
Jan. 23 - Tide Exercise & Salinity Determination
Jan. 30 - Phytoplankton, Algae & Sea Grasses
Feb. 6 - Forams, Radiolarians & Sponges
Feb. 13 - Cnidaria & Ctenophora
Feb. 20 - FIRST LAB PRACTICAL
Feb. 27 - Mollusca
Mar. 5 - Marine Aquariums
Mar. 12 - SPRING BREAK
Mar. 19 - Mollusca (Cont.)
Mar. 20 - FIELD TRIP TO SOUTH PADRE ISLAND - DEPART FRIDAY & RETURN LATE SUNDAY
Mar. 26 - Annelids & Crustaceans
Apr. 2 - SECOND LAB PRACTICAL
Apr. 9 - Echinoderms
Apr. 16 - Chordates
Apr. 23 - Zooplankton
Apr. 30 - FINAL LAB PRACTICAL

LECTURE EXAM SCHEDULE

Feb. 21 (Friday) - FIRST HOUR EXAM
Apr. 3 (Friday) - SECOND HOUR EXAM
May 6 (Wed) - FINAL EXAM (10:30 to 12:30)

Student Learning Outcomes – Students are expected to acquire both a knowledge and understanding of the physical, chemical, and biological characteristics of the marine environment. Special emphasis will be given to the marine and estuarine environments of the western Gulf of Mexico.
Title IX at Angelo State University:

The University prohibits discrimination based on sex, which includes pregnancy, sexual orientation, gender identity, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination including: sexual assault, sex-based discrimination, sexual exploitation, sexual harassment, public indecency, interpersonal violence (domestic violence and/or dating violence), and stalking. As a faculty member, I am a Responsible Employee meaning that I am obligated by law and ASU policy to report any allegations I am notified of to the Office of Title IX Compliance.

Students are encouraged to report any incidents of sexual misconduct directly to ASU’s Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator at:

Michelle Boone, J.D.
Director of Title IX Compliance/Title IX Coordinator
Mayer Administration Building, Room 210
325-942-2022
michelle.boone@angelo.edu

You may also file a report online 24/7 at www.angelo.edu/incident-form.

If you are wishing to speak to someone about an incident in confidence you may contact the University Health Clinic and Counseling Center at 325-942-2173 or the ASU Crisis Helpline at 325-486-6345.

For more information about Title IX in general you may visit www.angelo.edu/title-ix.

DR. STRENTH
BIOLOGY – SPRING 2020
My office is Sci. 108B
If not in office, try:
Teaching Lab - Sci. 110 or Research Lab - Sci. 117
My office phone: 325.486.6647
When leaving a phone message, please give your full name and phone number both slowly and distinctly – give your phone number twice.
E-mail: ned.strenth@angelo.edu

OFFICE HOURS
Monday - 9:00-11:00
Tuesday – 1:00- 3:00
Wednesday - 9:00-11:00
Other hours by appointment.