TEXAS A&M UNIVERSITY – CORPUS CHRISTI
BIOL 4436 – MARINE ECOLOGY
SPRING 2012
SYLLABUS

Dr. David A. McKee
Office: CS 250
Lecture: 9:30-10:45 TR (IH 268)
Phone: 825-2676
Lab: 101 (McKee/Schoech): 2-4 p.m. (TBA)
Email: david.mckee@tamucc.edu

LEARNING OUTCOMES:
1) Students will exhibit knowledge in the field of marine ecology including an understanding of the concepts and principles governing the mechanics of marine ecosystems.

2) Students will demonstrate the ability to conduct a thorough survey of the scientific literature pertaining to the study of local bay systems.

3) Students will collectively identify, organize and interpret data from a diurnal study and produce a scientific paper.

RECOMMENDED TEXTS:


GRADING:
3 exams (25% each, 75% total) and the diurnal paper (25%).

DR. MCKEE’S OFFICE HOURS:
Monday: 11:00-12:00, 1:30-3:00
Tuesday: 11:00-12:00
Wednesday: 11:00-12:00, 1:30-3:00
Thursday: 11:00-12:00, 1:30-3:00
Friday: 11:00-12:00
COURSE OUTLINE: (Shown by “week” – subject to change)

Jan. 12 Syllabus, objectives, Texas gulf coast and bays

17 Historical development of marine ecology; classification of the marine environment

24 Abiotic Parameters – “Physical” – temperature, illumination, pressure, specific gravity, viscosity

31 continued. .

Feb. 7 continued. .

14 EXAM I

14 currents, waves, tides

28 “Chemical” – salinity, dissolved gases; “Geological” – shorelines, substrates, sediments

Mar. 6 continued. .

2 – 16 SPRING BREAK!!!

20 . . continued; Biotic Parameters – food, feeding types, competition, reproduction, dispersal

27 Marine Productivity and energetics, EXAM II

Apr. 3 . . continued; Marine Communities/Habitat Structure – sandy seashore, rocky shore, seagrass meadows, salt marsh, oyster reef, mangroves, coral reefs

10 . . continued

17 marine fisheries, aquaculture, pollution

24 . . continued

May 1 . . continued

13 FINAL EXAM (Thurs., 8-10:30 am)
**Disability and Veterans’ Services**: Texas A&M University-Corpus Christi is committed to providing persons with disabilities an equal opportunity to access campus facilities, resources and programs. The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. Support and accommodations are also available for returning veterans who experience cognitive and/or physical access issues in the classroom or on campus. Our Office of Disability Services arranges such support and academic accommodations. To make a request, or for more information, call (361) 825-5816 or visit Driftwood 101. It is important to contact the Office of Disability Services in a timely fashion as it will take time for them to review requests and prepare accommodations and accommodation letters.

**Academic Advising**: The College of Science and Technology requires that students meet with an Academic Advisor as soon as they are ready to declare a major. The Academic Advisor will set up a degree plan, which must be signed by the student, a faculty mentor, and the department chair. The College's Academic Advising Center is located in Faculty Center Room 178, and can be reached at 825-6094.

**Grade Appeal Process**: As stated in University Rule 13.02.99.C2, Student Grade Appeals, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Rule 13.02.99.C2, Student Grade Appeals, and University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules Web site at [http://www.tamucc.edu/provost/university_rules/index.html](http://www.tamucc.edu/provost/university_rules/index.html). For assistance and/or guidance in the grade appeal process, students may contact the Office of Student Affairs.