COURSE SYLLABUS

BIOL 1409.42245
BIOLOGY for NON-SCIENCE MAJORS - II

EASTFIELD COLLEGE
SCIENCE DIVISION
SPRING 2018 – Wintermester

COURSE and CLASS TIME
BIOL – 1409.42245
Lecture: TBA Room – S307
Lab: TBA Room – S307

INSTRUCTOR INFORMATION
Jeff Hughes
Office: C342
Phone: 972-860-7328
jeffhughes@dcccd.edu

INSTRUCTOR INFORMATION
Office Hours
By Appointment

COURSE INFORMATION
BIOL 1409 Biology for Non-Science Majors II (4 credit hours)
Prerequisite: One of the following must be met: (1) Developmental Reading 0093 AND Developmental Writing 0093; (2) English as a Second Language (ESOL) 0044 AND 0054; or (3) have met the Texas Success Initiative (TSI) Reading and Writing Standards AND DCCCD Writing score prerequisite requirement. Presentation of biological concepts for the non-science major. Emphasis will be on current biological concepts pertaining to evolutionary and behavioral adaptations, biological diversity, ecology, form and function of organisms. (3 Lec., 3 Lab.) Coordinating Board Academic Approval Number 2601015103

REQUIRED TEXTS
No text is required. Once students have paid their registration fee and have paid their non-refundable deposit for their field trip fee, they will be issued a “course packet” containing all lecture notes and laboratory exercises.
GRADING RATIONALE

Note: The following grading rationale may be modified by the course instructor with a verbal class announcement.

Field Trip Participation / Attitude = 200 points
Lecture Objectives = 110 points
Lecture Exam = 100 points
Homologies vs. Analogies Activity = 50 points
Constructing a Dichotomous Key Activity = 50 points
Using a Dichotomous Key to Identify Insects Activity = 50 points
Owl Pellet Dissection Activity = 50 points
Anatomy Checklist Activity = 50 points
Common Texas Coastal Plants Exam = 50 points
Common Texas Coastal Birds Exam = 50 points
Field Equipment Exam = 50 points
Collected Specimens Exam = 50 points
List of Collected Specimens = 50 points
Field Journal = 100 points

TOTAL POSSIBLE POINTS = 1000

1000 – 900 = A
899 – 800 = B
799 – 700 = C
699 – 600 = D
599 – 0 = F
CORE CURRICULUM INTELLECTUAL COMPETENCIES

1. **Reading** – the ability to analyze and interpret a variety of printed materials (books, documents, and articles) above the 12th grade level.

2. **Writing** – the ability to produce clear, correct and coherent prose adapted to purpose, occasion and audience, above the 12th grade level.

3. **Speaking** – the ability to communicate orally in clear, coherent, and persuasive language appropriate to purpose, occasion, and audience, above the 12th grade level.

4. **Listening** – the ability to analyze and interpret various forms of spoken communication, possess sufficient literacy skills or writing and reading, above the 12th grade level.

5. **Critical Thinking** – the ability to think and analyze at a critical level.

6. **Computer Literacy** – the ability to understand our technological society, use computer based technology in communication, solving problems, and acquiring information.

EXEMPLARY EDUCATIONAL OBJECTIVES

1. To understand and apply method and appropriate technology to the study of natural sciences.

2. To recognize scientific and quantitative methods and the differences between these approaches and 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.

EDUCATIONAL OBJECTIVE ACTIVITIES

1. Each week you will perform laboratory experiments and answer questions in your lab manual to demonstrate an understanding of the material and techniques used.
   - EEO met: 1, 2

2. You will be required to write a report over an article you have reviewed in a scientific journal. The report is due the week before spring break and no papers will be accepted after spring break. Your instructor will give you more information regarding this assignment during the first week of class.
   - EEO met: 1, 2, 3, 4, 5
LEARNING OUTCOMES
Your performance in each of these areas will be judged by grades obtained from assignments and exams that measure your understanding of the textbook material and laboratory experiments requiring you to follow a written procedure to collect and analyze scientific information.

WRITING ACROSS THE CURRICULUM
Writing is a part of all biology courses. You will have writing assignments determined by your instructor.

ATTENDANCE POLICY
Students are expected to regularly attend all classes in which they are enrolled. Students have the responsibility to attend class and to consult with the instructor when an absence occurs. Instructors are responsible for describing attendance policies and procedures to all students enrolled in their class.

RELIGIOUS HOLIDAYS/OBSERVANCES:
Students who will be absent from class for the observance of a religious holiday must notify the instructor in advance. Please refer to the college catalog section on Student Responsibilities.

DROP / WITHDRAWAL POLICY
If you are unable to complete this course, it is your responsibility to withdraw formally. The withdrawal request must be received in the Registrar’s Office by Tuesday January 2, 2018. Failure to do so will result in your receiving a performance grade, usually an “F.” If you drop a class or withdraw from the college before the official drop/withdrawal deadline, you will receive a “W” (Withdraw) in each class dropped. STOP BEFORE YOU DROP (Six-Course Drop Rule)
For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 nonexempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: https://www1.dcccd.edu/coursedrops.

INSTITUTIONAL POLICIES

DISCLAIMER
The instructor reserves the right to amend this syllabus as necessary. The guidelines set forth in this syllabus may be changed, deleted, or amended at any time by the instructor. The attached course outline is intended as an aid in helping you know your responsibilities for the semester. It is possible that some changes in the course outline or class policies will be made during the semester. Any changes that are made to the class policies or course outline will be announced in class.