COURSE SYLLABUS

BIOL 1411.42245
INTRODUCTORY BOTANY

EASTFIELD COLLEGE
SCIENCE DIVISION
SPRING 2018 – Wintermester

COURSE and CLASS TIME
BIOL – 1411.42245
Lecture: TBA Room – S307
Lab: TBA Room – S307

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

Office Hours
By Appointment

COURSE INFORMATION

BIOL 1411 Introductory Botany (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. This course introduces plant form and function. Topics ranging from the cell through organs are included. Emphasis is on the vascular plants, including the taxonomy and life cycles of major plant divisions. (3 Lec., 3 Lab.) Coordinating Board Academic Approval Number 2603015103

REQUIRED TEXTS

No text is required. Once a student has paid their registration fee and 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.

LECTURE (300 Possible Points)

- Lecture Objectives (9-total @ 10-points each (90 points)
- Comprehensive Lecture Exam (100 points)
- Plant Report (110 points)

LAB (200 Possible Points)

- Plant Kingdom (50 points)
- Plant Body: Roots / Stems / Leaves (50 points)
- Angiosperm Reproduction (50 points)
- Plant Exam (50 points)

Field Journal (100 points)

Collected / Pressed Specimens (100 points)

Participation/Professionalism/Attitude (300 points)

TOTAL POSSIBLE POINTS = 1000

Grading Rationale:

900 – 1000 points = A
800 – 899 points = B
700 – 799 points = C
600 – 699 points = D
0 – 599 points = 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.
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.