

Eastfield College
Science and PE Division
BIOLOGY 1409 Standard Syllabus
Spring 2011
4 Credit Hours

Course Title and Number

Biology for Non-Science Majors II
BIOL 1409- Section Number

Class Time

Lecture days of the week and time
Lab days of the week and time

Instructor

Name
Office:
Office Phone or adjuncts by appointment
Office Hours:
Email

Course Description – in Eastfield College catalog

Presentation of biological concepts for the non-science major. Emphasis will be on scientists and their contributions to the science field, scientific problem solving, unity of life including cells and genetic information, energy pathways important to life, and current issues in biology. (3 Lec., 3 Lab.) (Coordinating Board Academic Approval Number 2601015103)

Prerequisites

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 Texas Success Initiative (TSI) Reading and Writing standards AND DCCCD Writing score prerequisite requirement.

Textbooks

Biology – Life on Earth with Physiology- BIOL 1409 – Eastfield College Custom Edition 9th edition, Audesirk, T., Audesirk, G., and Byers, B., Pearson Education, 2011, California, ISBN 978-0-558-70249-6

Inquiry into Life Laboratory Manual, 13th edition, Mader, S., McGraw-Hill, 2011, New York, ISBN 978-007-729743-5

Intellectual Competencies

1. Reading – The ability to analyze and interpret a variety of printed material – books, documents and articles.
2. Writing – The ability to produce clear, correct and coherent prose adapted to purpose, occasion and audience.
3. Listening – analyze and interpret various forms of spoken communication.
4. Critical Thinking – Think and analyze at a critical level.

5. Computer Literacy – Understand our technological society, use computer based technology in communication, solving problems, acquiring information.

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.

Educational Objective Activities

State each activity that is done in the classroom and which Educational Objective it meets. All educational objectives must be met.

Learning Outcomes

- 1) To identify representative bacteria, protists, and fungi with the compound light microscope
- 2) Identify mammalian anatomical structures and their functions for several organ systems
- 3) Explain effects of disease causing organisms in the human systems

Course Outline

<u>Week</u>	<u>Topic</u>	<u>Chapter</u>
1	Principles of Evolution	14
2	The Origin of the Species	16
3	The History of Life pages 318 – 334 – (Stop at the Oldest Hominins are from Africa)	17
4	Exam #1: Chapters 14, 16, 17 The Diversity of Viruses, Prokaryotes	19
	Discuss Protists briefly	20
5	The Diversity of Plants	21
6	Plant Anatomy and Nutrient Transport (pages 836 – 852 – Omit section 43.8) (Include symbiotic relationships, pages 854 – 855)	43
7	Exam #2: Chapters 19, 20, 21, 43 Animal Diversity I: Invertebrates	23
8	Animal Diversity II: Vertebrates	24
9	Spring Break	
10	Circulation	32
11	Exam #3: Chapters 23, 24, 32 Respiration	33
12	Nutrition and Digestion	34
	The Urinary System	35
13	Action and Support: The Muscles and Skeleton	40
14	Exam #4: Chapters 33, 34, 35, 40	

	Community Interactions	27
15	How Do Ecosystems Work? Earth's Diverse Ecosystems	28 29
16	Review and Exam #5: Chapters 27, 28, 29	
17	Comprehensive Final Exam	

Grading Procedure - This will vary depending on the number of assignments that the instructor gives

5-6 Major lecture exams* - 100 points each	= 600 points
2 Laboratory exams – 100 points each	= 200 points

Final Grade

716 – 800 pts	=	89.5-100%	=	A
636 – 715 pts	=	79.5-89%	=	B
556 – 635 pts	=	69.5-79%	=	C
476– 555 pts	=	59.5-69%	=	D
0 – 475 pts	=	0-59%	=	F

***Make-up Exams**

A comprehensive lecture exam will be given in case of a missed examination with an excused absence. If a laboratory practical is missed, you will receive a grade of **ZERO** for the exam.

Test Coverage

Included within the course outline

Test review material: Notes and website found on the inside cover of your textbook. Tutoring is available through the learning assistance center.

WRITING ACROSS THE CURRICULUM:

Writing is a required part of all biology courses. You will have writing assignments determined by your instructor.

PLAGIARISM

This is the act of taking someone else's words or ideas and using them as your own. This is academic dishonesty and will not be tolerated. You will receive a grade of zero on the assignment and you will be subjected to the disciplinary actions under academic honesty.

ACADEMIC HONESTY

The purpose of the Student Code of Conduct is to provide the guidelines for the educational environment of the Dallas County Community College District. Such an environment presupposes both rights and responsibilities. Disciplinary regulations at the college are set forth in writing in order to give students general notice of prohibited conduct. Students should be aware of disciplinary actions for all forms of academic dishonesty, including cheating, fabrication, facilitating academic dishonesty, plagiarism, and collusion. Your College Catalog and the DCCCD Catalog contain the entire Student Code of Conduct, which is also on the Internet at <http://dccc.edu>

FINANCIAL AID STUDENTS:

If you are receiving financial aid grants or loans, you must begin attendance in all classes. Do not drop or stop attending any class without consulting the Financial Aid Office. Changes in your enrollment level and failing grades may require that you repay financial aid funds. Failure to contact the instructor will result in your name being submitted to the Financial Aid Office as a “non-attende”. All students receiving financial aid must open and Email account through NetMail. See directions in the syllabus for opening an Email account.

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 **April 14, 2010**. 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. For more information about drop deadlines, refer to the current printed Credit Class Schedule, contact the Admissions/Registrar’s Office at 972-860-7167 (Room C119), or contact the division office.

If you drop a class via eConnect, make sure to print a copy of the confirmation and keep the copy. In the event of a discrepancy it will be the responsibility of the student to provide documentation of having dropped the class.

STOP BEFORE YOU DROP: 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 non-exempt 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>

EMERGENCY/INCLEMENT WEATHER PROCEDURE:

In case of emergency or inclement weather conditions, Eastfield students should listen to KEOM-FM Radio Station (88.5) as the primary media source. In partnership with the Mesquite Independent School District, Eastfield College Administration will notify KEOM immediately after a decision is made to cancel classes on any given day of inclement weather or for emergency purposes. Students may also monitor other local radio and television stations. The earliest an announcement may be broadcast on KEOM Radio is 6am. Students may also refer to the Eastfield College webpage www.eastfieldcollege.edu for the Inclement Weather announcement under the Features area of the front page. **The announcement will be posted immediately following the decision to close the college.**

REPEATABILITY ISSUE:

Pending legislative action and DCCCD Board approval, effective for Fall Semester 2005, the Dallas County Community Colleges will charge a higher tuition rate to students registering the third or subsequent time for a course. All third and subsequent attempts of the majority of credit and Continuing Education/Workforce Training courses will result in higher tuition to be charged. Developmental Studies and some other courses will not be charged a higher tuition rate. Third attempts include courses taken at any of the Dallas County Community Colleges since the Fall 2002 semester. For complete information, go to: <http://www.dcccd.edu/ThirdCourseAttempt/>

EASTFIELD COLLEGE EMAIL POLICY

Faculty and students must have and use a DCCCD account for all correspondence relating to academic coursework. For information on setting up a DCCCD student email account go to:

<http://www.dcccd.edu/netmail/home.html>

RELIGIOUS HOLIDAYS/OBSERVANCES:

Absences for observance of a religious holy day are excused. Notification of the absence must be given to the instructor in writing at least two weeks prior to the date of the holy day. A student whose absence is excused to observe a religious holy day is allowed to contract with the instructor to take a make-up examination or complete an assignment within a mutually agreed upon time after the absence.

ADA GUIDELINES

Students with a physical, mental or learning disability who require accommodations should contact the college Disability Services Office in C237. Call 972.860.8348 or email efcdso@dcccd.edu. For more information: <http://www.eastfieldcollege.edu/SSI/DSO/index.html>

OBTAINING YOUR GRADES AT THE END OF THE SEMESTER:

Grade reports are no longer mailed. Convenient access is available online or by telephone. Just use your student identification number when you log in to e-Connect or call DCCCD Touch Tone Services.

Website address <http://econnect.dcccd.edu/> . Telephone number: 972-613-1818

PRINTING ON CAMPUS:

Printing in the Computer Lab (L-108), Library, and Learning Assistance Center will cost 5 cents a page. Students must bring a \$1.00, \$5.00, \$10.00 or \$20.00 bill to the lab to create an account. Accounts must be created before attempting to print. No change is made in the lab. Once the money is in the bill acceptor, it cannot be retrieved. Cash refunds are not possible. Accounts stay active as long as the account has value.

FAMILY EDUCATIONAL RIGHTS and PRIVACY ACT of 1974 (FERPA)

In compliance with the Family Educational Rights and Privacy Act of 1974 (FERPA), the College may release information classified as “directory information” to the general public without the written consent of the student. Directory information includes: (1) student name, (2) student address, (3) telephone numbers, (4) date and place of birth, (5) weight and height of members of athletic teams, (6) participation in officially recognized activities and sports, (7) dates of attendance, (8) educational institution most recently attended, and (9) other similar information, including major field of student and degrees and awards received. Students may protect their directory information at any time during the academic year. If no request is filed, directory information is released upon written inquiry. No telephone inquiries are acknowledged. No transcript or academic record is released without written consent from the student, except as specified by law.

ATTENDANCE

Students who are receiving any form of financial aid should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. Students who fail to attend or participate after the drop date are also subject to this policy.

CHILDREN on CAMPUS

The institution strives to protect an environment most conducive to teaching and learning for all enrolled students. Children who are taking part in organized scheduled activities or who are enrolled in specific classes are welcomed. Minor children, however, should not be brought to the institution unless closely supervised by their parent. Minor children should not be brought into classrooms, laboratories or other

facilities of the college. This practice is disruptive to the learning process. In the case of an emergency where the student-parent has no alternative but to bring the child to campus, classroom faculty or the administrative heads of other units have full discretion as to whether a child may be allowed to quietly stay in the location. These individuals may require that children be removed by the student-parent from the setting if, in their opinion, the presence of the child is deemed to be disruptive to the learning process. For reasons of security and child welfare the institution will not permit unattended children to be left anywhere on the premises. Parents who have problems with childcare should visit the Counseling and/or Advisement Center to receive referrals to childcare services in the area.

CLASSROOM ENVIRONMENT

It is important that the best possible learning environment exist in the classroom. Students should arrive on time and remain for the entire class. Arriving late, leaving early and talking while the instructor is speaking, is disruptive to other students and the instructor. Please turn off cell phones and pagers and refrain from texting in class. All students should conduct themselves in a mature, responsible and courteous manner. Your cooperation in creating and maintaining a pleasant classroom environment will be appreciated by all.

FOOD and DRINK POLICY

Food, drinks, and tobacco products are prohibited in Eastfield College classrooms.

The guidelines in this syllabus may be changed, deleted or amended at any time by the instructor