

Course Syllabus Biol. 1407.12 Spring 2013

Department: Biology **Course Title:** General Biology II (majors) **Name:** BIOL_1407_12
Start Date: 01/22/2013 **End Date:** 05/17/2013 **Modality:** FACE-TO-FACE
Credits: 4 **Day:** TTH **Time:** 9:30 – 10:50 am
Instructor's Name: Clovis Stacey **OC Email:** cstacey@odessa.edu
Instructor's Office: WH 130 **OC Phone #:** (432) 335-6543
Office Hours: M: 11am - 12 pm, 4-5 pm; T: 11 am - 1 pm, W: 9-10 am, 5-6 pm; Th: 11 am – 1pm, F: 9-10 am by appointment

Course Description: Students continue their understanding and interpretation of biological terms with respect to plant and animal growth, plant and animal tissues and systems, evolution and behavior. A taxonomic survey of the 5 kingdoms is covered. Laboratory investigations include acquisition of practical experience in the dissection of a mammal with reasoning to the relationships between form and function and making decisions relative to cause and effect relationships. Designed as a transferable lab science course for science majors. Lab fee required.

Prerequisites: BIOL 1406 with a grade of “C” or better

ICOs: 1, 2, 3, 4, & 5

Course Objectives:

1. Learner will be able to identify the basic components of a virus and the various replication methods most common to viruses, as well as the impact viruses have to life.
2. Learner will be able to identify the three domains of living organisms and the taxonomical divisions within these domains as well as the impact each group has on the living world.
3. Learner will be able to distinguish bacteria, protists, fungi, plants and animals as to forms, functions, reproductive means, nutrition and the impact each has on the living world.
4. Learner will be able to identify significant anatomical structures of the following organ systems: Endocrine, Cardiovascular, Immune, Respiratory, Digestive, Urinary, and Reproductive, Nervous, Muscular, Skeletal and Animal Development.
5. Learner will be able to explain the basic physiology of the following organ systems: Endocrine, Cardiovascular, Immune, Respiratory, Digestive, Urinary, and Reproductive, Nervous, Muscular, Skeletal and Animal Development.
6. Students will demonstrate a basic understanding of animal behavior.
7. Learner will be able to recognize the importance of evolution to the continuity of living forms and the various forms of support for evolution.

Required Readings/Materials: *Campbell Biology*. 9th edition, by N. A. Campbell, J. B. Reece, L. A. Urry, M. L. Cain, S. A. Wasserman, P. V. Minorsky, and R. B. Jackson; Pearson, 2010; ISBN-10: 0321558235, ISBN- 13: 9780321558237

Grading Policy: The learners semester grade for the course is determined by calculating the below percentiles for each area, and then adding the percentiles for each area together for a percentage out of 100:

Lecture test grades = 70% Lab test grades = 30%

A= 89.5 – 100
B = 79.5 - 89.49
C = 69.5 - 79.49
D = 59.5 - 69.49
F = <59.5

Special Needs: Odessa College complies with Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. If you have any special needs or issues pertaining to your access to and participation in this or any other class at Odessa College, please feel free to contact me to discuss your concerns. You may also call the Office of Disability services at 432-335-6861 to request assistance and accommodations.

Learning Resource Center (Library): The Library, known as the Learning Resources Center, provides research assistance via the LRC's catalog (print books, videos, e-books) and databases (journal and magazine articles). Research guides covering specific subject areas, tutorials, and the "Ask a Librarian" service provide additional help.

Student E-mail: Please access your [Odessa College Student E-mail](http://www.odessa.edu/gmail/), by following the link to either set up or update your account: <http://www.odessa.edu/gmail/>. **All assignments or correspondence will be submitted using your Odessa College email.**

Student Portal: Odessa College uses the Student Portal found on the OC Homepage

Technical Support: For Blackboard username and password help and for help accessing your online course availability and student email account contact the Student Success Center at 432 - 335-6878 or online at https://www.odessa.edu/dept/ssc/helpdesk_form.htm.

Important School Policies: For information regarding student support services, academic dishonesty, disciplinary actions, special accommodations, or students' and instructors' right to academic freedom can be found in the [Odessa College Student Handbook](#).

Student Success: The Odessa College Student Success Coaches will help you stay focused and on track to complete your educational goals. If an instructor sees that you might need additional help or success coaching, he or she may submit a Retention Alert or a Starfish Alert. A Student Success Coach will contact you to work toward a solution.

Reasonable Expectations of Engagement for Instructors:

1. As an instructor, I understand the importance of clear, timely communication with my students. In order to maintain sufficient communication, I will
 - provided my contact information at the beginning of the syllabus;
 - respond to all messages in a timely manner through telephone, email, or next classroom contact; and,
 - notify students of any extended times that I will be unavailable and provide them with alternative contact information (for me or for my supervisor) in case of emergencies during the time I'm unavailable.
2. As an instructor, I understand that my students will work to the best of their abilities to fulfill the course requirements. In order to help them in this area, I will
 - provide clear information about grading policies and assignment requirements in the course syllabus, and
 - communicate any changes to assignments and/or to the course calendar to students as quickly as possible.
3. As an instructor, I understand that I need to provide regular, timely feedback to students about their performance in the course. To keep students informed about their progress, I will
 - return classroom activities and homework within one week of the due date and
 - provide grades for major assignments within 2 weeks of the due date or at least 3 days before the next major assignment is due, whichever comes first.

Reasonable Expectations of Engagement for Students:

1. As a student, I understand that I am responsible for keeping up with the course. To help with this, I will
 - attend the course regularly and line up alternative transportation in case my primary means of transportation is unavailable;
 - recognize that the college provides free wi-fi, computer labs, and library resources during regular campus hours to help me with completing my assignments; and,
 - understand that my instructor does not have to accept my technical issues as a legitimate reason for late or missing work if my personal computer equipment or internet service is unreliable.
2. As a student, I understand that it is my responsibility to communicate quickly with the instructor any issue or emergency that will impact my involvement with or performance in the class. This includes, but is not limited to,
 - missing class when a major test is planned or a major assignment is due;
 - having trouble submitting assignments;
 - dealing with a traumatic personal event; and,
 - having my work or childcare schedule changed so that my classroom attendance is affected.
3. As a student, I understand that it is my responsibility to understand course material and requirements and to keep up with the course calendar. While my instructor is available for help and clarification, I will
 - seek out help from my instructor and/or from tutors;
 - ask questions if I don't understand; and,

- attend class regularly to keep up with assignments and announcements.

Department Specific Information:

1. Last Day to drop the class with a "W" is Tuesday, April 16, 2013.
2. Cell phones must be turned off while the student is in the classroom.

Tentative Lecture Schedule

Jan.	22	Introduction: Ch. 19: Viruses
	24	Ch. 19 continued; Ch. 27: Bacteria and Archaea
	29	Ch. 27 Continued;
	31	Ch. 28: Protists
Feb.	05	Ch. 28: Continued
	07	Test 1 (Ch. 19, 27, & 28); Review Test 1; Review Test 1;
	12	Ch. 29: Plant Diversity I;
	14	Ch. 30: Plant Diversity II Ch. 30: Plant Diversity II
	19	Ch. 30: Continued
	21	Ch. 31: Fungi
	26	Ch. 31: Continued
	28	Test 2 (Ch. 29, 30, & 31); Review Test 2
Mar.	05	Ch. 32: An Overview of Animal Diversity
	07	Ch. 32: Continued;
	11-16	Spring Break: No Classes
	19	Ch. 33: An Introduction to Invertebrates
	21	Ch. 33: Continued
	26	Ch. 34: The Origin and Evolution of Vertebrates
	28	Ch. 34 continued
Apr.	02	Test 3 (Ch. 32 - 34); Review Test 3
	04	Ch. 40: Basic Principles of Animal Form and Function
	09	Ch. 40: Continued
	11	Ch. 41: Animal Nutrient
	16	Test 4 (Ch. 40- 42), Review test 4
	16	Last Day to drop or withdraw with a "W"
	18	Ch. 43: The Immune System
	23	Ch. 43. continued
	25	Ch. 43. continued
	30	Ch. 44: Osmoregulation and Excretion
May	02	Ch. 44. continued
	07	Test 5 (Ch. 43- 44)
	09	Comprehensive Make up exam
	16	Final Exam, Thursday, Time: 8:00 - 10:30 am, Room: P1

Tentative Laboratory Schedule
Biol 1407 Spring 2013

LABORATORY MANUAL: Biology 11th ed. Laboratory Manual, by Sylvia S. Mader, WCB McGraw-Hill

LABORATORY ATTENDANCE: The laboratory portion of this course is mandatory.

TESTING: There are six lab exams at 100 pts. each. A deduction is given for misspelling.

WEEK OF LABORATORY EXERCISE

Jan. 21 Ex. 14: Bacteria and Protists

 28 Ex. 15: Fungi

Feb. 4 Lab Test 1 (14 & 15); Ex. 16: Nonvascular Plants and Seedless Vascular Plants

 11 Review Lab 1 Test; Ex. 17: Seed Plants

 18 Lab Test 2 (16 & 17); Ex. 25: Animal Organization

 25 Review Lab 2 Test; Ex. 25: Animal Organization

Mar. 4 Lab Test 3 (25) Ex. 22: Introduction to Invertebrates

 11 **Spring Break: No Labs**

 18 Review Lab 3 Test; Ex. 23: Invertebrates Coelomates

 25 Ex. 24: The Vertebrates

Apr. 1 Lab Test 4 (22, 23 & 24); Ex. 26: Basic Mammalian Anatomy I

 8 Review Lab Test 4 ; Ex. 26: Basic Mammalian Anatomy I

 15 Lab Exam 5 (26); Ex. 27: Basic Mammalian Anatomy II

 22 Ex. 27: Basic Mammalian Anatomy II

May 6 Lab Exam 6 (27)

 13 **NO LABS THIS WEEK**