

# Course Syllabus

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**Department** : Biology  
**Course Title** : Biology 1407  
**Section Name** : .13  
**Start Date** : 01/18/2011  
**End Date** : 05/12/2011  
**Modality** : FACE-TO-FACE  
**Credits** : 4

## Instructor Information

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**Name** : Steve Sofge  
**OC Email** : ssofge@odessa.edu  
**OC Phone #** : 432-335-6361

## 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. It is designed as a transferable lab science course for science majors.

## Prerequisites/Corequisites

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Prerequisite: Biol. 1406

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SCANS 1, 3, 6, 9

## Course Objectives

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1. Learner will be able to identify the significant concepts of plant evolution and the processes which have occurred to allow plants to adapt to their changing environment.
2. Learner will be able to understand the human body in terms of its anatomical structure and the functions of each system of the body and be able to relate these concepts to those of other animal groups.
3. Learner will be able to recognize the importance of evolution to the continuity of living forms and the various forms of support for evolution.
4. Learner will be able to understand the various concepts of ecology required to have a rudimentary grasp of its aspects.
5. Learner will be able to understand the various tissues which comprise the human body and where the tissues are located and their functions.
6. Learner will be able to recognize the various members of the 5 kingdoms and their unique characteristics.

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### Biology 1406 General Information /Sp 2011

**Instructor:** S.Sofge Office: WH 102B Phone/ email: 335-6361 / [ssofge@odessa.edu](mailto:ssofge@odessa.edu)

**Office Hours:** T ,W, Th, F: 9am-11am

**GradeDetermination:**

4-5 Lecture Exams (100 pts. each) = 400-500 pts.

Homework (25pts each) = 200-225pts.

Quizzes (5pts each) = 100 pts.

1 Comprehensive Final Exam = 200 pts. 70%

4 Lab Exams (100 pts. each) = 400 pts. 30%

Students will need a scantron form # 882 and a #2 pencil for each exam. Lecture exams are approximately 50% multiple choice/ true false and 50% discussion questions.

**Student Attendance:** Attendance in class is highly recommended. It is well documented that student performance is directly correlated to school attendance. Students arriving to class after roll call will be marked absent. Excused absences are solely at the discretion of the instructor. Lecture and Lab exams will have a 10 pt. bonus unless a student has had an absence during the time frame which covers that information.

**Student Assistance:** Biology tutoring is available free of charge to students. A tutoring schedule will be provided as soon as it is available. In addition, there are several computerized biology tutorials available, and the availability of the instructor.

**Missed Exams:** If you know in advance that you will not be able to take a scheduled exam, you may take the exam early by arrangement with the instructor. A comprehensive makeup exam will be given at the end of the semester for anyone who misses an exam. Persons having taken all the lecture exams may take the comprehensive lecture makeup exam to replace a low lecture exam score.

#### **Student Behavior Policies:**

No talking during class unless recognized by the instructor by holding up your hand to speak. Students who abuse this policy will be asked to leave the class and students who chronically abuse this policy will be asked to leave the class and will not be allowed back into class for the remainder of the semester. **Anyone caught cheating on an exam will receive a grade of a zero and will not be able to take a makeup exam for that exam and may be dismissed from the class, at the discretion of the instructor, with a grade of F.** A 10 pt. bonus is given for each lecture exam unless there is a class disruption by a cell phone. No texting is allowed during class.

**Student Grievances:** Odessa College policy requires that student grievances first be discussed with the instructor. Unresolved issues may then be discussed with the instructor's immediate supervisor.

**Wireless Communication Devices:** Students requiring pagers or mobile phones with them in class will need to submit in writing reasons for this by the end of the first week of class.

**Student Withdrawals:** Students should be aware of the college withdrawal policy on pages 42-43 of the Odessa College Catalog of Courses.

## Required Readings/Materials

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a) You must purchase the following **required** readings/materials:

**Books:** *Biology 10<sup>th</sup> ed. by S. Mader; Biology Lab Manual 10<sup>th</sup> ed. by S. Mader*

## Course Requirements (Lectures, Assignments and Assessments)

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Item (Name)	Type	Description	Due	Exam
Unit I	Lecture	Ch. 19, 20,21	Feb. 10	Feb. 15
Unit II	Lecture	Ch. 22, 23,27	Mar. 2	Mar. 4
Unit III	Lecture	Ch. 31,32,33	Mar. 10	Mar. 22
Unit IV	Lecture	Ch. 34,35,36	Mar. 31	Apr. 5
Unit V	Lecture	Ch. 37,38	Apr. 14	Apr. 19
Unit VI	Lecture	Ch. 39,40,41,42	3-May May 10 @	5-May
Final Exam	Exam	Comprehensive	11am	

### Biol 1407 / Laboratory Schedule/ Sp 2011

**LABORATORY MANUAL:** Biology 10<sup>th</sup> ed. Laboratory Manual, by Sylvia S. Mader, WCB McGraw-Hill

**LABORATORY ATTENDANCE:** The laboratory portion of this course is designed to provide a “hands on” learning experience. Therefore, participation in all laboratory classes is mandatory

in order to fully meet course requirements. Excessive absences will have a direct impact on your final grade.

3 absences: 15% deduction from final lab average

4 absences: 20 % deduction from final lab average

5 absences: 25% deduction from final lab average

**TESTING:** There are six lab exams at 100 pts. each. A deduction of 1/3 pt is given for misspelling.

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<b>Week of</b>	<b>LAB</b>	<b>TITLE</b>
Jan 18		no lab
24	14	Bacteria and Protists
31	15	Fungi
Feb 7		<b>Lab Exam I (14, 15)</b>
	16	Nonvascular Plants and Seedless Vascular Plants
14	17	Seed Plants
21		<b>Lab Exam II (Ex 16, 17)</b>
	25	Animal Organization
28	22	Introduction to Invertebrates
Mar 7		<b>Lab Exam III (Ex 25, 22)</b>
	23	Invertebrate Coelomates

21	24	The Vertebrates
28		<b>Lab Exam IV (Ex 23, 24)</b>
	26	Basic Mammalian Anatomy I
Apr 4	26	Basic Mammalian Anatomy I
11		<b>Lab Exam V (Ex 26)</b>
	27	Basic Mammalian Anatomy II
18	27	Basic Mammalian Anatomy II
25	27	Basic Mammalian Anatomy II
May 2		<b>Lab Exam VI (Ex 27)</b>
		<b>Comrehensive Lecture Makeup Exam</b>

**GRADING POLICY:**

90-100 A

80-89 B

70-79 C

60-69 D

0-59 F

**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, 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

Please access your Odessa College Student E-mail, 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.

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](https://www.odessa.edu/dept/ssc/helpdesk_form.htm).