

Course Syllabus Biol. 2404.13 Spring 2012

Department: Biology
Section Name: BIOL_2404_13
End Date: 05/12/2011
Instructor's Name: Clovis Stacey
Instructor's Office: WH 130

Course Title: Human Anatomy & Physiology
Start Date: 01/18/2011
Modality: Web Enhanced
OC Email: cstacey@odessa.edu
OC Phone #: (432) 335-6543

Credits: 4

Course Description: In this one-semester course students learn scientific terminology, specific information and concepts about the anatomy and physiology of the 11 body systems. In laboratory exercises students learn mathematical calculations for conversions between the metric and English systems of measurement, the anatomy of muscles, bones, nervous organs, blood vessels and endocrine glands, plus various organs of other systems. Lab fee required.

Prerequisites/Corequisites: Prerequisite: Pass reading on THEA or COMPASS and be eligible for College Algebra by passing math on THEA or COMPASS or by passing the developmental math sequence.

Scans: 1, 3, 6, 9

Course Objectives:

1. Learner will be able to recognize and use the language and mathematical conversions required for exploration in the scientific and medical fields.
2. Learner will be able to identify the molecules that are the building blocks of the human body.
3. Learner will learn the basic chemistry needed to conceptualize the inner workings of the body's organ systems.
4. Learner will be able to identify the activities of various cellular structures responsible for maintaining life.
5. Learner will be able to identify the structures and functions of the eleven organ systems, as well as how each system interacts with the others.

Required Readings/Materials: *Essentials of Humans Anatomy and Physiology*, 10th ed., E.N. Marieb

Grading Policy: The learner's 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](#), 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.

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](#).

Department Specific Information:

1. Last Day to drop the class with a "W" is Thursday, April 14, 2011.
2. Cell phones must be turned off while the student is in the classroom.

Tentative Lecture Schedule

Jan.	16	No Classes (MLK Holiday)
	17	Introduction to the class: Overview of class and class policies; Ch. 1: The Human Body: An Orientation
	19	Ch. 1 continued;
	24	Ch. 2 continued; Ch. 2: Basic Chemistry
	26	Ch. 2 Continued
	31	Ch. 2 Continued
Feb.	02	Ch. 3: Cells and Tissues

	07	Ch. 3 Continued
	09	Test 1 (Ch. 1 - 3)
	14	Review Test 1; Ch. 4: Skin and Body Membranes
	16	Ch. 4 Continued
	21	Ch. 5: Skeletal System
	23	Ch. 5 Continued
	28	Test 2 (Ch. 4 & 5); Review Test 2
Mar.	01	Ch. 6: Muscular System
	06	Ch. 6 Continued; Ch. 7: Nervous System
	08	Ch. 7 Continued
	12–17	No Classes (Spring Break)
	20	Test 3 (Ch. 6 - 7); Review Test 3
	22	Ch. 9: Endocrine System
	27	Ch. 9 Continued
	29	Ch. 11: The Cardiovascular System
Apr.	03	Ch. 11 Continued
	05	Ch. 12: The Lymphatic System and Body Defenses
	10	Ch. 12 Continued
	12	Test 4 (Ch. 9, 11, & 12); Review Test 4
	17	Ch. 15: The Urinary System
	19	Ch. 15 Continued
	24	Ch. 16: The Reproductive System
	26	Ch. 16 Continued
May	01	Test 5 (Ch. 15 & 16); Review Test 5
	03	Comprehensive Makeup Test Covering Tests 1-5
	08	Final Exam, Tuesday, Time: 11:00 am - 1:30 pm, Room: P 1

Tentative Lab Syllabus Biol. 1404.13 Spring 2012

Lab Manual: *Laboratory Manual for Anatomy and Physiology*, 5nd ed., E.N. Marieb

Lab Atlas: *A Photographic Atlas for the Anatomy and Physiology Laboratory*, 5th ed.,
K.M. Van De Graaf and J.L. Crawley

Lab Activities: Laboratory activities will complement and reinforce lecture material.

Lab Exams: Five lab exams will be given. Your scores will count as a portion of your total Lecture grade as explained by your instructor. Due to the extensive set-up required for lab practical exams, there can be no make-up exams

Lab Attendance: Absences will have a direct impact on your final grade, the details of which will be discussed by your instructor.

Wireless Communication Devices: All wireless communication devices must be tuned off during class. Texting, answering cell phones or pagers is disruptive and, in the sole discretion of the instructor, the offending student may be asked to leave class in which case it will be counted as an absence that may affect your final grade.

Academic Honesty: Passing someone else's work off as your own (plagiarism) or copying someone else's answers on an exam (cheating) is academic dishonesty. Any student being academically dishonest may be dismissed from the lab with a Grade of F at the sole discretion of the instructor.

Tentative Laboratory Schedule

Date:	Topic:
Jan. 19	Anatomical Terms & Organization (Ex. 1 & 2); Microscope; Metrics (Handout)
26	Practical 1; Cell Structure and Division (Ex. 3); Cell Membrane & Transport (Ex. 4)
Feb. 02	Tissues (Ex. 5)
09	Tissues (Ex. 5)
16	The Skin (Ex. 6) Tissue Review
23	Practical 2; The Skeletal System (Ex. 8)
Mar. 01	Skeletal System (Ex. 9)
08	Joints (Ex. 10); Muscular System (Ex. 12)
15	No Lab: Spring Break
22	Practical 3; Nervous System (Ex. 13 & 14)
29	Nervous System (Ex. 15 & 16); Special Senses (Ex. 17)
Apr. 05	Blood (Ex. 19); Cardiovascular System (Ex. 20, 21, & 22)
12	Practical 4; Respiratory System (Ex. 23 & 24)
19	digestive System (Ex. 25); Organs (Ex. 2);
26	Urinary System (Ex. 26);
May. 03	Practical 5