

Course Syllabus

NOTE: This syllabus is subject to change during the semester. Please check the syllabus on a regular basis for any updates.

Department: Biology

Course Title: Anatomy & Physiology II

Section Name: BIOL 2402.12

Start Date: 01/17/2012

End Date: 05/10/2011

Modality: Web-Enhanced

Credits: 4

Instructor Information:

Name: Chester P. Cooper D.C.

Email: ccooper@odessa.edu

Phone: 432.335.6590

Course Description: BIOL2402 is the second semester of Anatomy and Physiology. This course is a continuation of BIOL2401 and assumes foundation knowledge and skills acquired therein. Students learn specific and conceptual information about the remaining seven systems of the body, cellular metabolism and fluid and electrolytes. Practical knowledge of the information and concepts about these seven systems is further gained and reinforced through the hands-on use of anatomical specimens.

Lab Description: The laboratory portion of Anatomy and Physiology II is designed to provide a "hands-on" learning experience; therefore, participation in all laboratory periods is necessary to fully meet course requirements. Excessive absences will have a direct impact on your final lab grade. Due to the seating capacity in the laboratory, students must attend the lab section for which they are registered. Due to the extensive set up required for lab practical examinations, *there can be no make-up exams*; however, a comprehensive written make-up exam will be provided for any student that contacts the instructor prior to missing a lab exam with a valid reason.

Prerequisites/Corequisites: The learner must pass reading on THEA or COMPASS and be eligible for Intermediate Algebra by passing math on THEA or COMPASS or by passing the developmental math sequence in order to take this course. Successful completion of HPRS1106 and BIOL2401 with a grade of 'C' or higher, (or permission from department chair) is also required for enrolment in BIOL2402.

Scans: 1, 6, 9

Course Objectives:

1. Learner will be able to identify the significant anatomical structures of the following organ systems: Endocrine, Cardiovascular, Immune, Respiratory, Digestive, Urinary, and Reproductive.
2. Learner will be able to explain the physiology of the following organ systems: Endocrine, Cardiovascular, Immune, Respiratory, Digestive, Urinary, and Reproductive.
3. Learner will be able to describe how each organ system interacts with the others.
4. Learner will be able to explain how the body converts various nutrients into energy for use in the body.
5. Learner will be able to explain the regulation of the acid/base balance as well as fluid and electrolytes in the human body.

Required Course Materials: (Available as a package in the OC bookstore)**Textbook:** *Human Anatomy & Physiology*, 8th ed., by Elaine N. Marieb.**Lab Manual:** *Human Anatomy & Physiology Laboratory Manual*, 9th ed., by Elaine N. Marieb**Student Access Kit:** Web resources available at: www.MasteringAandP.com**ISBN of package in Bookstore:** 0321780805**Course Requirements:**

Course requirements include, but are not limited to the following: Class Attendance, Participation in Lectures, Tegrity Viewing, Examinations, Lab Practical Examinations, Quizzes, Community Service, Participation in Labs.

Weekly Lecture Schedule:

The following is tentative week-by-week schedule for this semester. The dates are subject to change. We will begin with Chapter 16 and proceed through the book until we reach Chapter 27.

Lecture Schedule:

Week 1	Jan. 17 – Jan. 23	Introduction, Chapter 16
Week 2	Jan. 24 – Jan. 30	Module 1 – Chapter 16
Week 3	Jan. 31 – Feb. 06	Module 1 – Chapter 16
Week 4	Feb. 07 – Feb. 13	Module 1 – Chapter 17
Week 5	Feb. 14 – Feb. 20	Module 2 – Chapter 18
Week 6	Feb. 21 – Feb. 27	Module 2 – Chapter 18
Week 7	Feb. 28 – Mar. 05	Module 2 – Chapter 19
Week 8	Mar. 06 – Mar. 11	Module 2 – Chapter 20
	Mar. 12 – Mar. 16	Spring Break
Week 9	Mar. 19 – Mar. 26	Module 2 – Chapter 21
Week 10	Mar. 27 – Apr. 02	Module 3 – Chapter 22
Week 11	Apr. 03 – Apr. 09	Module 3 – Chapter 23
Week 12	Apr. 10 – Apr. 16	Module 3 – Chapter 24
Week 13	Apr. 17 – Apr. 23	Module 4 – Chapter 25
Week 14	Apr. 24 – Apr. 30	Module 4 – Chapter 26
Week 15	Apr. 30 – May 04	Module 4 – Chapter 27
Week 16		Final Exam

Lab Schedule

	<u>Topic</u>
1 (Jan 16)	No Labs; MLK Holiday
2 (Jan 23)	Endocrine System - Ex. 27
3 (Jan 30)	Blood - Ex. 29A, Endocrine - 28B (PhysioEx)
4 (Feb 06)	Practical Exam 1
5 (Feb 13)	Heart - Ex. 30
6 (Feb 20)	Blood Vessels - Ex. 32, Blood Pressure - Ex. 33A
7 (Feb 27)	Cardiac Conduction & ECG - Ex. 31, Heart Sounds - Ex. 33A
8 (Mar 05)	Practical Exam 2
(Mar 12)	Spring Break
9 (Mar 19)	Lymphatic System - Ex. 35; Respiratory Anatomy - Ex. 36
10 (Mar 26)	Digestive Anatomy - Ex. 38
11 (Apr 02)	Digestive and Respiratory Physiology (PhysioEx)
12 (Apr 09)	Practical Exam 3
13 (Apr 16)	Urinary System A&P - Ex. 40, 41A, 41B (PhysioEx)
14 (Apr 23)	Reproductive Systems - Ex. 42; Meiosis - Ex. 43
15 (Apr 30)	Practical Exam 4

Course Grade: Four lecture examinations and a final examination will be given. The average of these exams will make up 70% of the total Anatomy and Physiology II grade. Four practical examinations will be given in the laboratory. The average of these exams will make up the remaining 30% of the total Anatomy and Physiology II grade. Pop quizzes and other graded assignments may be added to the course at any time with a weight to be determined by the professor. The calculated percentage will be awarded a final letter grade for the course as follows:

Percentage %	Grade
90-100	A
80-89	B
70-79	C
60-69	D
<59	F

Tutor Lab (optional): A&P II students may visit the tutor lab, which is called the Synapse Lab. There is no mandatory Synapse attendance in AP2. Any student that earns a grade below 70% on an exam must make an appointment to meet with their lecture professor within one week. A student I.D. is required for participation in the Synapse. Synapse hours of operation are posted outside of the door at room WH 117. Please remember to login on the main computer when utilizing the lab.

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

Academic integrity: Cheating in any form will not be tolerated. The first offense will result in a grade of zero for that assignment. Any subsequent offense will result in expulsion from the course with an "F".

Additional information:

1. Read material prior to coming to class.
2. Reviewing your notes immediately after class is a great way to increase your retention.
3. Tutoring is available in the Synapse Lab! If you are having difficulty, please seek assistance.
4. The last day to drop with a "W" is Friday April 13, 2012.
5. The exam dates will be announced in class approximately one week in advance.
6. Grades will be available on Blackboard and Starfish.
7. Classroom lectures are available online.
8. Bring a Scantron and No.2 pencil to exams.
9. Cell phones disrupt the class; therefore, place all electronic devices on silent.
10. If you need to leave a message for me, there are post-it notes in the box beside my office door or you may leave a message on my answering machine. (Ext. 6590)

A schedule of my office hours is posted outside my office. These hours are dedicated to helping you. Please feel free to come by my office any time. I hope you have a GREAT semester!

Statement of Special Accommodations: 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 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 the Odessa College Portal, by following the link: <http://www.odessa.edu/portal.htm>. The Portal is a password protected website for OC students & employees. As a student you have access to the following information: Grades, Class Registration, Class Schedules, Specific Course Information, Smarthinking Tutoring and MORE.

Technical Support: 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 student's and instructors' right to academic freedom can be found in the Odessa College Student Handbook.