

# Course Syllabus

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

**Department** : Biology  
**Course Title** : Anatomy & Physiology I  
**Section Name** : BIOL\_2401\_610  
**Start Date** : 01/18/2011  
**End Date** : 05/12/2011  
**Modality** : FACE-TO-FACE  
**Credits** :

## Instructor Information

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**Name** : Thomas Crawford  
**OC Email** : tcrawford@odessa.edu  
**OC Phone #** : (432) 335-6805

## Course Description

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This is the first semester of a two-semester course in which anatomy and physiology are integrally presented. Students learn anatomic and physiologic terminology, the principles of the relationships between form and function and basic mathematical calculations converting between the metric and English systems of measurement. Students also learn specific information about concepts of basic chemistry, cell structure and physiology, cell reproduction and tissue structure. The anatomy and physiology of four of the body's 11 systems are also presented. In laboratory investigations students acquire knowledge about bones, muscular function and microscopic examination of tissues. Lab fee is required.

## **Prerequisites/Corequisites**

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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. Corequisite: HPRS 1106 (or consent of department chair).

## **Scans**

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SCANS 1, 3, 6, 9

## **Course Objectives**

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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 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 first four organ systems, as well as how each system interacts with the others.
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**Make-ups:** A comprehensive make-up exam may be given to replace a missed exam. If a family crisis, severe illness, or other emergency causes you to miss an exam, it is **your** responsibility to make arrangements for a make-up exam to be taken before the next class meeting following the missed exam, OR you may take the comprehensive make-up at the end of the semester. These are the only two choices. If it is known prior to a lab practical that it will be missed, arrangements should be made to take the practical during another lab. Prior permission of all involved instructors must be obtained. Lab practicals must be taken during one of the regularly scheduled lab periods. NO EXCEPTIONS.

**Plagiarism:** Any work submitted for a grade that is not the individual learner's original work will be subject to a grade of zero and/or dismissal from the course with a grade of F, as determined by the instructor.

**Tutor Lab Requirement:** Learners are required to spend at least one hour per week in the tutor lab which is called the Synapse. Attendance and assignments will determine the tutor lab points. Learner I.D. is required for participation in the Synapse.

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

Cell phones and/or pagers must be turned off or on silent during all lecture and laboratory periods.

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## **Required Readings/Materials**

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

**Textbook:** *Human Anatomy & Physiology*, 8<sup>th</sup> ed., by Elaine N. Marieb.

**LabManual:** *Human Anatomy & Physiology Laboratory Manual*, 8<sup>th</sup> ed., by Elaine N. Marieb

## **Course Requirements (Lectures, Assignments and Assessments)**

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Lecture, Tegrity viewing, one hour a week in Synapse Tutorial  
Lab required, Exams

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**Topic/Overview:** This week focuses on:







**\*NOTE: The due dates are subject to change. Please check this syllabus on a regular basis for any updates.**

| <b>Item(Name)</b> | <b>Type</b> | <b>Description</b>   |
|-------------------|-------------|--|
| Chapters1 & 2     | Lecture     | Intro to Class; Ch. 1: Human Organization; Ch.2: Chemistry |
| Chapter2          | Lecture     | Ch.2: Continued  |
| Chapters2 & 3     | Lecture     | Ch.2: Continued; Ch. 3: Cells                              |
| Chapters4 & 5     | Lecture     | Ch.4: Histology; Ch. 5: Integumentary System               |
| <b>Exam1</b>      | Exam        | <b>(Chapters 1 - 3)</b>                                    |
| Chapter6          | Lecture     | Ch.6: Skeletal System                                      |
| Chapters8 & 9     | Lecture     | Ch.8: Joints; Ch. 9: Muscular System                       |
| <b>Exam2</b>      | Exam        | <b>(Chapters4 - 6)</b>                                     |
| Chapter9          | Lecture     | Ch.9: Continued  |
| Chapter11         | Lecture     | Ch.11: Nervous System                                      |
| Chapter12         | Lecture     | Ch.12: Central Nervous System                              |
| <b>Exam3</b>      | Exam        | <b>(Chapters 8, 9, 11)</b>                                 |
| Chapter12         | Lecture     | Ch.12: Continued   |
| Chapters13 & 14   | Lecture     | Ch.13: PNS; Ch. 14 ANS                                     |
| Chapter15         | Lecture     | Ch.15: Special Senses                                      |
| <b>Exam4</b>      | Exam        | <b>(Chapters 12 - 14)</b>                                  |
| <b>Final Exam</b> | Exam        | <b>(Including Ch. 15) (6pm - 8:50pm) (2scantrons)</b>      |
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## **Grading Policy**



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Lecture Exams

(400pts)

Final Exam:

(150pts)



Tutor Lab

(50pts)

Laboratory

(300pts)

| Percentage % | Grade |
|--------------|-------|
| 90+          | A     |
| 80- 89       | B     |
| 70- 79       | C     |
| 60- 69       | D     |
| ≤59          | F     |





## **Special Needs**

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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)**

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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**

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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**

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## **Technical Support**

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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).



## **Important School Policies**

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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](#).

## **Synapse Lab**

There is a one hour per week Synapse Lab (tutor lab) requirement for Anatomy and Physiology 1. Should any student fail to pass a lecture exam with a score of 70% or above, an additional 1 hour per week synapse lab requirement will be instituted to help the student grasp key principles in this course.