

# **BIOL 2402 HUMAN ANATOMY AND PHYSIOLOGY II**

## **Spring 2016**

Textbook: Saladin, K. S. Anatomy and Physiology. 6<sup>th</sup> Edition or another comparable A&P textbook.

Instructor: Dr. Christopher M. Ritzi. Rm 216 WSB, Tel. 837-8420 Email: [critzi@sulross.edu](mailto:critzi@sulross.edu)

Office Hours: MW 8:30-10:30, T 2-4, or by appt.

Webpage: <http://sulross.blackboard.com> & [http://faculty.sulross.edu /critzi/](http://faculty.sulross.edu/critzi/)

Classroom: Rm 201, Warnock Science Building

Time: Section 001 TR 9:30 – 10:45 am

### **Course Description:**

The purpose of this course is to introduce students to the importance of the human body and its various organ systems. This is designed as the second semester of a two semester course, and will cover internal organ systems, such as cardiovascular, digestive, endocrine, lymphatic, respiratory, reproductive, and urinary. Combined with the laboratory, students should come away with an understanding of the above systems, how they are anatomically structured, and how that structure aids in each system's functionality.

### **Program Learning Outcomes**

The graduating biology student graduating with a BS in Biology should be able to:

- 1) Demonstrate an understanding of evolution by natural selection.
- 2) Demonstrate an integration of environmental awareness into everyday modern life.
- 3) Understanding how to incorporate molecular biology into the study of the whole organism.
- 4) Demonstrate utilization of various field techniques toward addressing scientific questions in the discipline.
- 5) Conduct basic laboratory experiments utilizing standard observational strategies.

### **Student Learning Objectives for this Course:**

- 1) Students will define the physiological responses to different chemical situations.
- 2) Students will illustrate knowledge of internal organ systems.
- 3) Students will diagram the location of the internal organs and blood flow.
- 4) Students will demonstrate an understanding of the mechanics of ion and nutrient movement.
- 5) Students will apply principles learned in the first term of this course toward organ functionality.
- 6) Students will compare and contrast the various organ systems of the body.

## **Grading:**

Students are expected to attend all lectures and exams. There are to be three exams during the course of the semester to test if concepts are being retained. These exams will be lumped together to constitute 50% of the lecture grade, with the lowest of these exams being dropped from this calculation. There is also a semi-comprehensive Final Exam worth 50%. Final exam will be a double test, first half being comprehensive over the first 3 test's material, while the second half will only be over material since the third exam. Missing one of the first 3 exams without written excuse will result in a 25% deduction in grade. Missing the final without an excuse will result in failing the course. Periodic attendance quizzes may be offered for extra-credit on exams. Points acquired in lab will account for 25% of your total grade for the course.

## **Suggestion:**

As per SRSU policy, students shall be dropped from the class with an F if they miss 20% (6 lectures) over the course of the semester. If you are unable to attend lecture, please notify me by either e-mail, phone, or in person so that you will not be unnecessarily dropped from the course. Although supplemental material for this course will be provided on-line, previous experience indicates that periodic attendance tends to hurt grades. Some material is only presented during the lecture, with this material typically included on exams to add depth to the tests. It is also encouraged that students spend a couple of hours after each class reviewing the notes and slides covered that day. This course covers a lot of information, and only through continuous efforts can one succeed in learning Anatomy and Physiology.

**Lecture courtesy:** The general rules of classroom etiquette are below.

- 1) Please do not talk to others in class while the instructor is lecturing. If you have a question, ASK THE INSTRUCTOR! That's what I'm here for.
- 2) No eating, chewing, dipping, etc.
- 3) If you are going to attend class, please do so. Leaving and returning to class repeatedly is disruptive, as well as showing up after half the period is over.
- 4) Please turn cell phones and pagers to silent while in class. They are disruptive to the entire class, and distract others as well.

**Students with disabilities will be provided reasonable accommodations. If you would like to request such accommodations because of physical, mental, or learning disability, please contact the ADA Coordinator for Program Accessibility at 837-8203, FH 112.**

## **Tentative Lecture Outline**

<b>Date</b>	<b>Lecture topic</b>	<b>Chapter</b>
Jan 19	Introduction	
Jan 21	Blood	18
Jan 26	Blood (continued)	18

Jan 28	Heart	19
Feb 2	Heart (continued)	19
Feb 4	Heart (continued)	19
Feb 9	Heart (continued)	19
Feb 11	Heart (continued)	19
Feb 16	Exam I	
Feb 18	Blood Vessels	20
Feb 23	Blood Vessels (continued)	20
Feb 25	Blood Vessels (continued)	20
Mar 1	Lymphatic	21
Mar 3	Respiratory	22
Mar 8	Respiratory (continued)	22
Mar 10	Respiratory (continued)	22
Mar 15	Spring Break – No Class	
Mar 17	Spring Break – No Class	
Mar 22	Exam II	
Mar 24	Urinary	23
Mar 29	Urinary (continued)	23
Mar 31	Urinary (continued)	23
Apr 5	Balance	24
Apr 7	Balance	24
Apr 12	Exam III	
Apr 14	Digestive	25
Apr 19	Digestive (continued)	25
Apr 21	Nutrition	26
Apr 26	Reproductive	27, 28
Apr 28	Endocrine	17
May 3	Endocrine	17
May 5	Dead Day	
May 10 8:00 am	Final exam	

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Note – This outline is subject to change for reasons of course interest, time constraint, or instructor whim. The exams will be administered on the dates given, unless material relevant for a given exam has not been covered. Under such cases, an exam may be moved a class period or two to aid in the clarity and understanding of the material.