

**BIOL 2402 HUMAN ANATOMY AND PHYSIOLOGY II**  
**Spring 2015 Sul Ross State University (4 credit hours)**

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Lecture: Tues/Thurs 9:30–10:45 in WSB 201  
Labs: Tues 3:30-5:20 or Tues 7:00-8:50  
Office Hours: Mon 2-4; Tues/Thurs 11:00-12:30,  
and by appt.

**Texts:**

Lecture: **Recommended.** Saladin, K. S. *Anatomy & Physiology: Unity of Form and Function*, 6<sup>th</sup> or 7<sup>th</sup> ed.  
Lab: **\*\*Required\*\*** Allen, C. & V. Harper. *Laboratory Manual for Anatomy & Physiology*. 4th ed.  
ISBN 978-047059-8900.

**Recommended, but not at SRSU bookstore.** Van der Graff, K.M. *Photographic Atlas for Anatomy and Physiology*

**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.

**Grading:** Students are expected to attend all lectures and exams. Three lecture exams, three assignments, and one final exam will be given to test if concepts are being retained. If you arrive late for an exam (after students have completed and turned in their exams) you will receive a zero for that exam. If I decide to drop your lowest exam, I will not drop the zero. The final exam will be comprehensive over material on the first three exams and include material covered since the third exam. **Missing any exam without notifying me in advance will result in a zero for that exam grade.** e.g. Do not email me at 11am on the day of an exam to tell me you are "out of town." You will have five days (including weekends) from the exam date to make up a missed exam.

Exam I	100	15.3 %
Exam II	100	15.3 %
Exam III	100	15.3 %
Final Exam ( <i>comprehensive</i> )	150	23.1 %
Lab	200	31.0 %
<b>COURSE TOTAL</b>	<b>650</b>	<b>100 %</b>

**Suggestion:** As per SRSU policy, students shall be dropped from the class with an F if they miss 20% over the course of the semester. If you cannot attend lecture, notify me by either e-mail, phone, or in person so that you will not be unnecessarily dropped from the course. Previous experience indicates that periodic attendance tends to hurt grades. Some material is only presented during the lecture, and this material is typically included on exams to add depth to the tests.

**Students with any learning disabilities will be provided with accommodations. If you would like to request an accommodation because of a physical, mental, or learning disability, please contact the ADA coordinator at 837-8203, FH 112.**

**Biology Program Learning Outcomes (PLOs):**

1. Demonstrate a mastery of aerobic respiration and its significance for living organisms.
2. Be able to identify evolution and the processes that influence it.
3. Be able to identify the components of cell structure and their functions.
4. Compare the fundamental concepts of Mendelian genetics.
5. Compare and contrast the process of photosynthesis to other cellular processes.
6. Be able to identify the processes of molecular biology.

<b>Tentative Lecture Outline</b>		
<b>Date</b>	<b>Lecture topic</b>	<b>Textbook Chapter (6th ed.)</b>
Jan 20	Introduction (and Intro to Circ System)	18
Jan 22	Blood	18
Jan 27	Blood (continued)	18
Jan 29	Heart	19
Feb 03	Heart (continued)	19
Feb 05	Heart (continued)	19
Feb 10	Heart (continued)	19
<b>Feb 12</b>	<b>Exam I</b>	
Feb 17	Blood Vessels	20
Feb 19	Blood Vessels (continued)	20
Feb 24	Blood Vessels (continued)	20
Feb 26	Lymphatic	21
Mar 03	Respiratory	22
Mar 05	Respiratory (continued)	22
<b>Mar 10</b>	<b>Exam II</b>	
March 12	Urinary	23
<b>Mar 16-20</b>	<b>NO CLASS--SPRING BREAK!</b>	
Mar 24	Urinary (continued)	23
Mar 26	Urinary (continued)	23
Mar 31	Balance	24
Apr 02	Balance (continued)	24
Apr 07	Balance (continued)	24
<b>Apr 09</b>	<b>Exam III (Friday, April 10<sup>th</sup>: Deadline to drop a class with a "W")</b>	
Apr 14	Digestive	25
Apr 16	Digestive (continued)	25
Apr 21	Nutrition	26
Apr 23	Reproductive, Male	27
Apr 28	Reproductive, Female	28
Apr 30	Endocrine	17
May 05	Endocrine (continued)	17
<b>May 11-14</b>	<b>Final Exams (Times TBA)</b>	

**Note** – This outline is subject to change. 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. **Note**—Keep track of your grades throughout the semester and as I post them on Blackboard. (For instance, do not come to me at the end of the semester and question a grade from the 2nd week of class.)