Syllabus
SUL ROSS STATE UNIVERSITY
SURVEY OF HUMAN ANATOMY AND PHYSIOLOGY
Independent Study equivalent to BIOL 2404, FALL 2016

Instructor:	Dr. Martin Terry Office: 219 Warnock Science Building Phone: 837-8113 mterry@sulross.edu Please feel free to email questions or other communications. When you do, please use **A&P** as the subject of the message, so that I'll know which course you're referring to.
Office hours:	M 3:00–5:00, T 2:00–5:00, or by appointment. If you feel lucky, just drop by at random. If I'm in the office, you are welcome.
Time and venue:	**Lecture:** TR 8:00–9:15 a.m. in WSB 204 **Lab:** W 7:00–8:50 p.m. in WSB 109
Text:	LaPres, Kersten & Tang Gunstream's *Anatomy & Physiology with integrated study guide*, **6th Edition** (2016). ISBN: 978-0-07-809729-4. McGraw Hill.
Course Description:	A four-hour introduction to the basic structure and function of human systems, with emphasis on the musculoskeletal, nervous, cardiovascular, and respiratory systems. Both the anatomy and physiology of the various systems will be addressed in both lecture and laboratory. This course is designed for non-Biology majors and covers in a single semester the same general areas of anatomy and physiology covered in two semesters in BIOL 2401 and 2402, but less intensively. Prerequisite: Biol 1402 (Zoology) with a grade of C or better, or permission of instructor.

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

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

Student Learning Objectives for this course:

1) The student will use anatomical terminology to locate structures or lesions by relative positions, body sections and body regions.
2) The student will recognize major tissue types and subtypes, and their functions.
3) The student will distinguish body tissues, organs and systems as different levels of organization.
4) The student will understand the structure and function of the human integumentary, skeletal, and muscular systems, as well as the nervous, cardiovascular, respiratory and digestive systems.
5) The student will determine quantitative physiological variables such as cardiac output.
6) The student will analyze electrolyte concentrations and relative diffusion rates to explain action potentials in excitable cells.
7) The student will correlate clinical signs with activity of sympathetic or parasympathetic divisions of the autonomic nervous system.

Provisional schedule of material covered in lectures:

Date	Lecture Topic	Chapter
8/23	Introduction to the Human Body	1
8/25	Introduction to the Human Body	1
8/30	Tissues and Membranes	4
9/01	Tissues and Membranes	4
9/06	The Integumentary System	5
9/08	The Skeletal System	6
9/13	The Skeletal System	6
9/15	**EXAM #1**	
9/20	The Muscular System	7
9/22	The Muscular System	7
9/27	The Nervous System	8
9/29	The Nervous System	8
10/04	The Nervous System	8
10/06	Blood	11
10/11	Blood	11
10/13	**EXAM #2**	
10/18	The Cardiovascular System	12
10/20	The Cardiovascular System	12
10/25	The Lymphatic System & Immunity	13
10/27	The Lymphatic System & Immunity	13
11/01	The Respiratory System	14
11/03	The Respiratory System	14
11/08	The Digestive System	15
11/10	The Digestive System	15
11/15	The Urinary System	16
11/17	**EXAM #3**	
11/22	The Urinary System	16
11/23–27	**Thanksgiving holidays**	
11/29	The Endocrine system	10
12/01	**Dead Day (No Class)**	
12/07	**Wednesday FINAL EXAM 8:00 a.m.**	

GRADES:

Lecture Examinations:		Points
Exam 1	R, Sep. 17, 2015	100
Exam 2	R, Oct. 15, 2015	100
Exam 3	R, Nov. 19, 2015	100
Quizzes, unannounced, given at beginning of lecture (Be on time!)		100
Lab grade		300
Comprehensive Final Exam: 8:00 a.m., Wed., Dec. 08, 2016		200
	Total	900

Please note that the lab experience is an important part of the course.

Quizzes may be given unannounced. They start at the beginning of class, so it behooves you to arrive before class starts. Make a habit of arriving at least five minutes early.

Grades as a percentage of 900 total points will be reported as letter grades according to the following percentage intervals: A = 89.5–100%. B = 79.5–89.5%. C = 69.5–79.5%. D = 59.5–69.5%. F = 0–59.5%. For borderline grades, the instructor may apply criteria which are not strictly objective (e.g., student's attendance, class participation or other evidence of effort in the course or lack thereof) to determine whether to round the letter grade up or down.

Attendance is required in both lecture and lab. Students will be dropped with an F for excessive absences, defined as absences that exceed 20% of the course (i.e., 6 lectures or 3 labs or any proportional combination of lectures and labs in this course).

DISABILITIES INFORMATION: It is Sul Ross State University policy to provide reasonable accommodation to students with disabilities. Qualified students with disabilities needing academic or other accommodations to ensure full participation in the programs, services and activities at Sul Ross State University should contact the Counseling and Accessibility Center, Ferguson Hall 112, Box 122, Alpine, TX 79832 (phone 432-837-8203).