

PAMPA HIGH SCHOOL
Biology Department

Course: Human Anatomy & Physiology, BIOL 2401, is a 4 dual credit hour course with Clarendon College

Instructor: Lois Parker, M.S.

Room 1166

Conference period: 8th

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Scope: An introduction to basic biological principles applied to the human. Detailed studies of the human body plan, cells, tissues, and of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, and urinary systems will be included.

Objectives:

The learner will:

- 1) Develop an appropriate vocabulary dealing with human anatomy and/or physiology
- 2) Describe the anatomical structure of organs within each organ system covered during the course
- 3) Explain the physiological functioning of each of the covered organ systems
- 4) Correlate the relationship between anatomical structure and physiological function

Text: *Human Anatomy and Physiology, fifth edition*, by Elaine N. Marieb

Tests: Several exams, each covering the material presented since the previous exam will be given throughout the semester. The last exam will be given during

finals week. Each test will cover approximately one chapter from the text. Each of the tests will consist of approximately 25 questions comprising material from both the text and lecture. Each tests will consist of multiple choice, true-false, definition, fill-in -the-blank and essay questions. Cheating on tests will not be tolerated. Anyone caught cheating will be given a zero on the test. Makeup tests are scheduled by the instructor and must be complete within 1 week.

Laboratory: Lab work is intended to enhance student understanding of lecture topics. Topics in lab will parallel topics considered in lecture. An important component of the lab work involves the dissection of various organ systems of the domestic cat. The student is encouraged to approach all lab work with a serious, sober, and inquisitive attitude and to maintain a degree of emotional detachment. Practical exams will be given in lab and will be announced in advance.

Grades: Lecture exams- 80%

Labs-20%

Supplies:

3 ring binder	colored pencils
Blue or black pens	latex gloves
#2 pencils	hand soap
Germ-X	markers
kleenex	

Anatomy & Physiology Course Projections
Lois Parker/Pampa High School
2009/2010

First Six Weeks August 24-October 2

- Ch. 1 Orientation
- Ch. 2 Chemistry
- Ch. 3 Cells
- Ch. 4 Tissues

Second Six Weeks October 5-November 6

- Ch. 5 Integumentary
- Ch. 6 Bones/Skeletal
- Ch. 7 Skeleton
- Ch. 8 Joints

Third Six Weeks November 9- December 18

- Ch. 9 Muscles/Tissues
- Ch. 10 Muscular System
- Ch. 11 Nervous System
- Ch. 12 Central Nervous System

Fourth Six Weeks January 4-February 12

- Ch. 13 Peripheral Nervous System
- Ch. 14 Autonomic Nervous System
- Ch. 16 Endocrine System
- Ch. 17 Blood

Fifth Six Weeks February 16-April 9

- Ch. 18 Cardiovascular System
- Ch. 19 Cardiovascular Blood Vessels
- Ch. 20 Lymphatic System
- Ch. 21 Immune System

Sixth Six Weeks April 12-May 21

- Ch 22 Respiratory System
- Ch. 23 Digestive System
- Ch. 25 Urinary System
- Ch. 27 Reproductive System
- Ch. 28 Pregnancy & Human Development

May 25-26 Review

May 27-28 Final Exams