

BIOL 2102 Anatomy and Physiology II - Laboratory Spring 2020

Lab Teaching Assistant: Carmen Nored, WSB Rm 109, Email: cmn17lf@sulross.edu; cell: (512) 228-2595 (text preferred). Office hours: T: 11:00 - 12:00 and 2:30 - 3:30; W: 2:00 to 5:00 PM, or by appointment. If the door is open, feel free to drop by.

Lab Classroom: Rm 109, Warnock Science Building

Lab Time: Section 001 Tuesday 3:30-5:20 pm, Section 002 Wednesday 5:00-6:50 pm

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. This laboratory will focus on hands-on learning, combining laboratory and microscopic techniques with classical dissection.

Required Workbook: A Visual Analogy Guide to Human Anatomy and Physiology, 3rd Edition; ISBN: 9781617316265; Publisher: Morton; Author: Paul A. Krieger.

Students will be completing worksheets from this text so they will need to bring the workbook to class or photocopy the worksheets of that week's lab from a generous friend or classmate.

Grading:

Exams: 300 points

Quizzes: 110 points

Worksheets/Assignments: 90 points

Reminder:

As per SRSU policy, students shall be dropped from the class with an F if they miss 20% (3 labs) of labs over the course of the semester. If you are unable to attend, please notify me in advance by either email, phone, or in person so that you will not be unnecessarily dropped from the course. Also, this course will involve dissection, as such, please dress accordingly to avoid unnecessary problems (dangling hair, contact lens, formal wear, etc.)

Lecture courtesies: 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!
- 2) No food or drink in the lab. During dissection, it could get messy.
- 3) If you are going to attend class, make sure you are present at the start of class. Arriving late to class is extremely impolite and distracting to other students and the instructor.
- 4) Cell phones are to be on silent during lab as they are disruptive to the entire class. You may use them to take pictures of the specimens for later study, however.

Marketable Skills (MS):

The biology student graduating with a BS in Biology should have the following MS:

- 1) Ability to organize, analyze, and interpret data.
- 2) Proficiency in using presentation software.
- 3) Experience in managing time and meeting deadlines.
- 4) Ability to speak effectively and write concisely about scientific topics.
- 5) Experience in the development of professional email correspondence.

Student Learning Outcomes (SLO):

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

SLO1 demonstrate an understanding of basic biological concepts, including but not limited to evolution via natural selection, cell theory, and the role and function of DNA.

SLO2 demonstrate utilization of various field techniques toward addressing scientific questions in the specific discipline. These field techniques can include, but are not limited to, plant collection and processing, various animal collection techniques, ecological surveying and sampling, and biodiversity indexing.

SLO3 use biological instrumentation to solve biological problems using standard observational strategies.

SLO4 develop writing skills by summarizing and critiquing recent relevant biological literature.

Tentative Laboratory Outline

Jan 14: No Lab

Jan 21: Lab 1 - Endocrine System

Jan 28: Lab 2 - Circulatory System

Feb 4: Lab 3 - Circulatory System

Feb 11: Lab 4 - Circulatory System

Feb 18: Lab 5 - Circulatory System

Feb 25: Practical Exam I

Mar 3: Lab 6 - Lymphatic System

Mar 10: Spring Break - No Class

Mar 17: Lab 7 - Respiratory System

Mar 24: Lab 8 - Urinary System

Mar 31: Lab 9 - Urinary System

Apr 7: Practical Exam II

Apr 14: Lab 10 - Digestive System

Apr 21: Lab 11 - Reproductive System

Apr 28: Practical Exam III

Note – This outline is subject to change for reasons of course interest, time constraint, or instructor whim. Material on the exams may be added or removed based on student progress and understanding of the labs during the semester.

Sul Ross State University (SRSU) is committed to equal access in compliance with Americans with Disabilities Act of 1973. It is SRSU policy to provide reasonable accommodations to students with documented disabilities. It is the Student's responsibility to initiate a request. Please contact Ms. Rebecca Greathouse Wren, M.Ed., LPC-S, Director/Counselor, Accessibility Services Coordinator, Ferguson Hall (Suite 112) at 432.837.8203; mailing address is P.O. Box C-122, Sul Ross State University, Alpine, Texas 79832. Students should then contact the instructor as soon as possible to initiate the recommended accommodations.