

BIOL 2102 Anatomy and Physiology II - Laboratory Spring 2021

Lab Teaching Assistant: Isabella Garcia, WSB Rm 109, Email: iog17ik@sulross.edu.
Cell: (210)995-4143 (text preferred). Office hours: Monday 2:00-4:00pm and Thursday 2:00-4:00pm, or by appointment. If the door is open, feel free to drop by.

Lab Time & Place:

Section L01 Tuesday 3:30-5:20 pm WSB 109
Section L02 Tuesday 7:00-8:50 pm WSB 109
Section L03 Tuesday 3:30-5:20 pm WSB 111
Section L04 Tuesday 7:00-8:50 pm WSB 111

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.

Lab attendance: Lab attendance is mandatory. This being said, due to COVID19, **anyone feeling ill should not come to lab**. In the event that you miss class due to illness or other university-approved absences (SRSU athletic events, death in the family, illness, etc; see <https://www.sulross.edu/sites/default/files//sites/default/files/users/docs/stulife/academic.pdf> for further details) do contact your instructor via email to request missed material. **Students cannot miss exams** unless they have a documented, university-approved excuse; in these cases, the instructor needs to be informed **more than 24 hours in advance** of the exam. Any missed exams must be taken within one week of the original exam.

Lab behavior:

Please:

- * *do* wear a mask
- * *do* wear gloves when asked to do so (if you can wear a Small glove, please do as we are low on other sizes)
- * *do* disinfect things that you touch
- * *do* wear closed-toes shoes and tie your hair back
- * *do* keep 6ft of distance between you and your classmates and instructor
- * *do* be on time
- * *do* turn off your phone and put it away; phone use is distracting to your peers and the instructor
- * *do* feel free to take notes on a laptop but don't use your laptop for anything else, it's distracting to others
- * *do* ask relevant questions and discuss topics in a civil and respectful manner
- * *do not* talk to your class mates while your instructor is lecturing unless asked to discuss a topic with your peers
- * *do not* sleep, eat or drink in lab

Academic dishonesty and late or missed work: All assessments should be your own work, unless it is a pair/group assignment. Any evidence that the work is copied from a peer or the internet or any other source will result in a zero for the assessment and you will be reported to the university for Academic Dishonesty. I do not accept late work. **Students cannot miss exams** unless they have a documented, university-approved excuse; in these cases, the instructor needs to be informed in writing **>24 hours in advance** of the exam to allow time for the instructor to prepare a make-up exam. The make-up exam must be taken within 6 days of the original exam.

Grading:

Lab Practical 1 (120 points)

Lab Practical 2 (120 points)

Lab Practical 3 (60 points)

Quizzes: 110 points

Worksheets/Assignments: 90 points

Tentative Laboratory Outline

Jan 12: No Lab

Jan 19: Lab 1 - Endocrine System ONLINE

Jan 26: Lab 2 - Circulatory System: Blood

Feb 2: Lab 3 - Circulatory System: Heart

Feb 9: Lab 4 - Circulatory System: Heart

Feb 16: Lab 5 - Circulatory System: Blood Vessels

Feb 23: Practical Exam I

Mar 2: Lab 6 - Lymphatic System

Mar 9: *Spring Break - No Class*

Mar 16: Lab 7 - Respiratory System

Mar 23: Lab 8 - Urinary System

Mar 30: Lab 9 - Urinary System

Apr 6: Practical Exam II

Apr 13: Lab 10 - Digestive System

Apr 20: Lab 11 - Reproductive System

Apr 27: Practical Exam III

Note – This outline is subject to change for reasons of course interest and time constraint.

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 each semester for each class. Students seeking accessibility/accommodations services must contact Rebecca Greathouse Wren, Suite 112, Ferguson Hall, Ph: 432-837-8203, email rebecca.wren@sulross.edu

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.