Human Biology Lab Syllabus and Policy
Spring 2020
Bio 123L.02x

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* All contact via e-mail should be professional in manner with proper punctuation and grammar. Your name and your lab section should be included in the body of any email correspondence. E-mails sent in an unacceptable format will not be answered.

Phone: (936) 468-2347
Office: S214C
Office hours: Tuesday: 1:00 PM – 3:00 PM
                   Wednesday: 9:00AM – 10:00 AM
                   Friday: 10:00AM – 12:00AM
Class meeting time & place (S109): Bio 123.020: Wednesday 11:00AM - 12:50PM


Course Description: Human Biology Laboratory. One semester hour, 2 hours laboratory per week. Hands on experiments in the microscope, human anatomy & physiology, genetics, and evolution. Co-requisite BIO 123. Required lab fee.

Pre-requisites: None
Co-requisite: BIO 123 Lecture

Program Learning Outcomes: There are no specific program learning outcomes for the major addressed in this course. It is a general education core curriculum course and / or a service course.

General Education Core Curriculum Objectives / Outcomes:

- **Core Objective 1. Critical Thinking:** to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information. (SLO’s 2 – 6)
- **Core Objective 2. Communication Skills:** to include effective development, interpretation and expression of ideas through written, oral and visual communication. (SLO – 5)
- **Core Objective 3. Empirical and Quantitative Skills:** to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions. (SLO – 3)
- **Core Objective 4. Teamwork:** to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal. (SLO - 6)

Student Learning Outcomes:

- **SLO – 1:** Demonstrate an understanding of the scientific process by designing experiments that address a testable hypothesis (CO #1)
- **SLO – 2:** An understanding of the basic human organ systems, including their anatomy and physiology, their control, and their function in the whole organism context (CO #1)
- **SLO – 3:** Use quantitative reasoning to interpret and draw conclusions from data collected during laboratory exercises and supplemental readings in lecture (CO #1 & #3)
- **SLO – 4:** An understanding of how humans interact with and impact the ecosystem (CO #1)
- **SLO – 5:** Be able to present collected scientific data in a meaningful and clear fashion, in both written and oral form (CO #1 & #2)
- **SLO – 6:** Demonstrate the skills necessary to function as a contributing team member in order to collect and present scientific data (CO #1, #2, & #4)
Attendance Policy:
Attendance will be taken at the beginning of every lab meeting. Failure to attend lab, arriving late to lab, or leaving lab early will result in the reduction of your participation grade and zeroes on any daily work or assigned material. More than two unexcused absences during the semester will result in your receiving a failing grade (“F”) for the entire course. As we are often working with live/perishable items, make-ups labs will not be offered during the semester. A number of drop grades have been incorporated into the grading scheme, it is advisable to use these drop grades wisely.

Determination of Lab Grade:

1. Participation: Participation will be evaluated during each lab activity. You will get full credit for participation as long as you work with your group to complete the activity in a reasonable amount of time. Points will be deducted if you fail to complete activities, distract your classmates, show up late to lab, leave lab early, are absent for any reason, or fail to obey the lab rules.

2. Quizzes: Quizzes will consist of questions from the previous section of each lab exercise as well as material from the current week’s lab. Questions will be multiple choice and matching in nature. I reserve the right to change the format of the quizzes during the semester. A minimum of ten total quizzes will be given during the semester. Missing a quiz, being absent, showing up late or leaving lab early will result in a zero for that day’s quiz.

3. Your Lab grade will be expressed as the % of total points available.

The lecture portion makes up 2/3rds of your course grade with the lab portion making up the remaining 1/3rd. A single grade, assigned to both the lecture (BIO 123) and laboratory (BIO 123L) will be determined by combining your lecture grade and laboratory grade using the following formula:

\[
\text{Biology 123 course grade} = \frac{(2)(\text{Bio 123 lecture grade})+(\text{Bio 123 lab grade})}{3} \times 100
\]

The following weights will be used to calculate the lab grade:
- Participation: 40%
- Quizzes: 60%
- Total of 100%

Acceptable Student Behavior:
Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy D-34.1, http://www.sfasu.edu/policies/student_conduct_code.asp). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. If you are asked to leave, you must schedule a time to meet with me before you are allowed to attend another lab. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed.

Academic Integrity (A-9.1):
Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Withheld Grades Semester Grades Policy (A-54)
Ordinarily, at the discretion of the instructor on record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

Students with Disabilities
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.
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<tr>
<th>Lab #</th>
<th>Date</th>
<th>Lab</th>
<th>Exercise</th>
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| 1     | 01/22   | Syllabus Review – Microscope The Anatomy and diversity of cells | 1. Activity 4  
                                      |                                    | 2. All Activities  
                                      |                                    | 3. All Activities |
| 2     | 01/29   | Tissue Orientation to the Human body               | 5. Activity 5 |
| 3     | 02/05   | Integumentary System Skeletal System               | 7.  
                                      |                                    | 8. |
| 4     | 02/12   | Muscular System Nervous System I                   | 9.  
                                      |                                    | 10. |
| 5     | 02/19   | Nervous System II The Senses                       | 11.  
                                      |                                    | 12. |
| 6     | 02/26   | The Cardiovascular System I                        | 14. |
| 7     | 03/04   | The Cardiovascular system II                       | 15. |
| -     | 03/11   | Respiratory System                                 | 16. |
| 8     | 03/18   | Digestive System                                   | 17. |
| 9     | 03/25   | Urinary System                                     | 18. |
| 10    | 04/01   | Endocrine                                          | 13. |
| 11    | 04/08   | Reproductive System Genetics                       | 19.  
                                      |                                    | 20. |
| 12    | 04/15   | DNA Technology and Genetic engineering             | 21. |
| 13    | 04/22   | Human Ecology                                      | 23. |