Name: Franklin Anderson M.D.

Department: Biology

Email: Franklin.Anderson@sfasu.edu

* Your name and your lab or lecture section you are referring to should be included in the heading of any email correspondence:

(The data for your class is kept on D2L, and it could be in 4 different locations. If your question concerns something from LAB, note that I have 3 different labs. I am not going to search the three labs on D2L looking for your name. If I receive emails without a section number: i.e. 1109-020, 1109-021, 1109-022, I may just return it, or if you are a repeat offender, ignore it.)

Phone: (936) 468-2347

Office: STEM 415

Office hours:

There will be a open zoom session during these office hours for one on one conversations. If they become very busy, I will set up a schedule.

Monday: 2:00 PM – 4:00 PM
Thursday: 10:00 AM – 12:00 Noon
Friday: 10: AM – 12:00 Noon

Class meeting time & place: Zoom Session, Tuesday 11:00 AM – 12:50 PM


Course Description: Human Biology Laboratory. One semester hour, 2 hours laboratory per week. Zoom session experiments in the microscope, human anatomy & physiology, genetics, and evolution. Co-requisite BIO 1309 - 001. Required lab fee.

Pre-requisites: None

Co-requisite: BIO 1309-001

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 Zoom meeting. Failure to attend Zoom lab, arriving or leaving lab early will result in the reduction of your participation grade.

Determination of Lab Grade:

Over the semester we will have 13 Quiz grades, and 13 Participation grades.

1. Participation: Participation will be based on attendance and contributions during each lab activity. You will be required to use your video when taking the lab quiz. But not during the entire lab. However, I will be asking questions by name, and no response means a zero participation score. I am also requiring you to check in weekly with the lab TA with any questions you have on the lab. This weekly Friday check in will be 25% of your participation grade. Checking in can be as simple as saying I have no questions, but you must check in.

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.

3. Your lowest three quiz grades, and participation grades will be dropped.

4. Your Lab grade will be expressed as the % of total point’s 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 1309-001) and laboratory (BIO 1109.0xx) will be determined by combining your lecture grade and laboratory grade using the following formula:

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

The following weights will be used to calculate the lab grade:

- Participation: 25%
• Quizzes: 75%
• 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 deleted from the zoom meeting, 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/.
## Lab Schedule

<table>
<thead>
<tr>
<th>Lab #</th>
<th>Date</th>
<th>Exercise</th>
<th>Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8/25</td>
<td>1,2,3</td>
<td>Syllabus Review – Microscope - The Anatomy and diversity of cells</td>
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<tr>
<td>2</td>
<td>9/1</td>
<td>4,5,6</td>
<td>Tissue - Cell Physiology - Orientation to the Human body</td>
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<tr>
<td>3</td>
<td>9/8</td>
<td>7,8</td>
<td>Integumentary System Skeletal System</td>
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<tr>
<td>4</td>
<td>9/15</td>
<td>9,10</td>
<td>Muscular System Nervous System I</td>
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<tr>
<td>5</td>
<td>9/22</td>
<td>11,12</td>
<td>Nervous System II The Senses</td>
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<tr>
<td>6</td>
<td>9/29</td>
<td>14</td>
<td>The Cardiovascular System I Blood &amp; Blood Type</td>
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<tr>
<td>7</td>
<td>10/6</td>
<td>15</td>
<td>The Cardiovascular system II Heart and Vessels</td>
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<td>8</td>
<td>10/13</td>
<td>16</td>
<td>Respiratory System</td>
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<td>9</td>
<td>10/20</td>
<td>23</td>
<td>Human Ecology</td>
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<td>10</td>
<td>10/27</td>
<td>17</td>
<td>Digestive System</td>
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<td>11/3</td>
<td>13</td>
<td>Endocrine</td>
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<td>12</td>
<td>11/10</td>
<td>20</td>
<td>Genetics</td>
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<tr>
<td>13</td>
<td>10/17</td>
<td>21</td>
<td>DNA Technology and Genetic engineering</td>
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