Name: J. Kevin Langford, Ph.D.
Department: Biology
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Phone: (936)468-5565
Office: STEM 422
Office hours: MWF 10-11am, TR 9:30-10:30am

Class meeting time & place:
TR 2:00-3:15pm, Miller Science Building, Rm TBD

Course Description:
Four semester hours of combined lecture and lab. Introduction to the structure and function of the endocrine, cardiovascular, immune, respiratory, lymphatic, digestive, urinary, and reproductive systems. Not open to students who have received credit for BIOL 3440. Not open for credit for biology majors or minors. Required lab fee. Biology 2002 is corequisite lab.

Number of Credit Hours:
Four credit hours: Three hours from lecture and one contact hour from lab.

Course Contact Hours and Study Hours
Under federal financial aid eligibility requirements, SFA policy 5.4 defines the credit hour as “(1) Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out-of-class student work each week for approximately fifteen weeks for one semester hour of credit. Therefore, for this 3-credit hour lecture, you should be spending 6 additional hours per week (outside of lecture and lab) reading the chapters from the Ebook, watching and taking notes from the recorded lectures on YouTube as you review the lecture material, rewriting/condensing your notes in preparation of quizzes and examinations.

Program Learning Outcomes: This is a general education core curriculum course and no specific program learning outcomes for this major are addressed in this course.

General Education Core Curriculum Objectives/Outcomes:
1. To understand and apply methods and appropriate technology to the study of natural sciences.
2. To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretations both orally and in writing.

General Education Core Curriculum Objectives/Outcomes
CO1 - Critical Thinking Skills - including creative thinking, innovation, inquiry, analysis, evaluation, and synthesis of information
CO2 - Communication Skills - including effective development, interpretation, and expression of ideas through written oral and visual communication
CO3 - Empirical and Quantitative Skills - including the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
CO4 - Teamwork - including the ability to consider different points of view and to work effectively with others to support a shared purpose or goal

Student Learning Outcomes:
BIOL 2402 will complete the remaining concepts of anatomy and physiology. Topics will explore the structure and function of some major systems in the body, including the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive. While taking BIOL 2402, students will accomplish the following skills:
1. SLO1 - Knowledge of the classification, identification, and function of cells and tissues under healthy conditions and tissues with pathologies. This objective links directly to CO1.
2. SLO2 - Ability to perform simple calculations and conversions and use of vocabulary, enabling them to identify and discuss body planes, body regions, and organ systems. This objective links to CO2, CO3, and CO4 in laboratory experiments and lecture exams.
3. Correct use and care of a compound light microscope.
4. Basic ability to use a stethoscope, sphygmomanometer, and spirometer, as well as knowledge of what these instruments measure. This objective links to CO1, CO2, CO3, and CO4 in the laboratory experiments and exams of the lecture portion of the course.
5. Ability to calculate respiratory volumes. This objective links to CO2 and CO3.
6. Understand the role of the respiratory, cardiovascular, and digestive systems and the role of each system in homeostasis. This objective links to CO1.
7. Knowledge of the endocrine system, including the associated glands, hormones, and target organs. This objective links to CO1.
8. Knowledge of the identification and functions of the parts of the reproductive system. This objective links to CO1

**Lecture Text:**
Michael McKinley, *Anatomy & Physiology: An Integrative Approach*, 4th Ed. Copyright: 2022. ISBN: 9781265761493. This is a 2year E-book with access to quiz and study material. The E-book access code can be purchased at bookstores on or near campus, or through direct purchase from McGraw Hill. Instructions for direct purchase will be provided by the instructor the first day of class. (Required)

**Course Requirements:**
Students must enroll in both lecture (BIOL 2402) and lab (BIOL 2002) and final grades will reflect both components. Lecture includes exams and weekly quizzes.
## Tentative Lecture Schedule

Note: Lecture topics and dates may be changed during the course of the semester at the instructor’s discretion. The class will be notified of any changes to the syllabus via D2L.

<table>
<thead>
<tr>
<th>Week</th>
<th>Dates</th>
<th>Content</th>
<th>Spring 2024 BIO 2402</th>
<th>Chapter</th>
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<tbody>
<tr>
<td>1</td>
<td>JAN 18</td>
<td>Endocrine system</td>
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<td>17</td>
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<tr>
<td>2</td>
<td>JAN 23 &amp; 25</td>
<td>Endocrine system</td>
<td></td>
<td>17</td>
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<tr>
<td>3</td>
<td>JAN 30 &amp; FEB 1</td>
<td>Cardiovascular system: Blood</td>
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<td>18</td>
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<td>4</td>
<td>FEB 6 &amp; 8</td>
<td>Cardiovascular system: Heart</td>
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<td>19</td>
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<tr>
<td>5</td>
<td>FEB 13 &amp; 15</td>
<td>Cardiovascular system: Vessels</td>
<td>EXAM 1</td>
<td>20</td>
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<td>6</td>
<td>FEB 20</td>
<td>Cardiovascular system: Vessels</td>
<td>Immune system: Lymphatics</td>
<td>20</td>
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<td></td>
<td>FEB 22</td>
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<td>21</td>
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<td>7</td>
<td>FEB 27 &amp; 29</td>
<td>Immune system</td>
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<td>22</td>
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<td>8</td>
<td>MAR 5</td>
<td>Respiratory system</td>
<td>EXAM 2</td>
<td>23</td>
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<td>MAR 7</td>
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<td>9</td>
<td>MAR 9-17</td>
<td>SPRING BREAK</td>
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<td>10</td>
<td>MAR 19 &amp; 21</td>
<td>Respiratory system</td>
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<td>23</td>
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<td>11</td>
<td>MAR 26</td>
<td>Digestive</td>
<td>EASTER HOLIDAY</td>
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<td>MAR 28</td>
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<tr>
<td>12</td>
<td>APR 2 &amp; 4</td>
<td>Digestive</td>
<td></td>
<td>26</td>
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<td>13</td>
<td>APR 9</td>
<td>Urinary</td>
<td>EXAM 3</td>
<td>24</td>
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<td>APR 11</td>
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<td>14</td>
<td>APR 16 &amp; 18</td>
<td>Urinary</td>
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<td>25</td>
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<td>15</td>
<td>APR 23 &amp; 25</td>
<td>Reproductive</td>
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<td>28</td>
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<tr>
<td>16</td>
<td>APR 30 &amp; MAY 2</td>
<td>Reproductive</td>
<td></td>
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<td>17</td>
<td>MAY 6-10</td>
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<td>EXAM 4</td>
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<td>Tuesday May 7, 1-3pm</td>
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### Grading Policy:
The lecture grade will include quizzes and four exams throughout the semester.

### Component Value (Lecture)
- Lecture quizzes: 100 pnts
- Exam 1: 100 pnts
- Exam 2: 100 pnts
- Exam 3: 100 pnts
I will follow the standard point scale:
447.5 or higher = ‘A’
397.5-447.4 = ‘B’
347.5 - 397.4 = “C”
297.5 – 347.4 = “D”
297.4 and lower = “F”

To calculate your overall A&P grade, use the following formula: (A&P lecture grade x 0.65) + (A&P lab grade x 0.35)

Failing lab or lecture will result in an F for BOTH.

Changes to Absence Notifications
Student absences will now only be sent by the Dean of Students when they meet certain criteria. The changes include a specific list of items.
The process has time constraints for the student and will now require documentation before a notice will be sent to faculty. The information is located on the Dean of Student’s website https://www.sfasu.edu/thehub/sos/notification-request.

Making Up Exams:
You must have an excused absence to ask for an extension on exams.

Course Evaluations:
A course evaluation the week before the final is available on MySFA. Your opinion is highly valued.

Withdrawal Policy:
It is the student’s responsibility to withdraw from the course if necessary. The last day to withdraw from a course can be found on the Registrar’s Office website.

Effective August 1, SFA has transitioned to a new Code of Conduct and Academic Integrity Please read the complete policy at https://www.sfasu.edu/docs/policies/10.4.pdf

Withheld Grades Semester Grades Policy (5.5):
Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the coursework 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 to compute the grade point average. For additional information, go to https://www.sfasu.edu/policies/course-grades-5-5.pdf.

Students with Disabilities
Please copy and paste the following statement and place it in your course syllabus. 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 promptly may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.
Student Wellness and Well-Being
SFA values students’ overall well-being, mental health and the role it plays in academic and overall student success. Students may experience stressors that can impact both their academic experience and their personal well-being. These may include academic pressure and challenges associated with relationships, emotional well-being, alcohol and other drugs, identities, finances, etc.

If you are experiencing concerns, seeking help, SFA provides a variety of resources to support students’ mental health and wellness. Many of these resources are free, and all of them are confidential.

On-campus Resources: The Dean of Students Office (Rusk Building, 3rd floor lobby)
www.sfasu.edu/deanofstudents936.468.7249dos@sfasu.edu

SFA Human Services Counseling Clinic Human Services, Room 202 www.sfasu.edu/humanservices/139.asp
936.468.1041

The Health and Wellness Hub “The Hub” Location: corner of E. College and Raguet St.
www.sfasu.edu/thehub 936.468.4008
thehub@sfasu.edu

To support the health and well-being of every Lumberjack, the Health and Wellness Hub offers comprehensive services that treat the whole person – mind, body and spirit. Services include:

- Health Services
- Counseling Services
- Student Outreach and Support
- Food Pantry
- Wellness Coaching
- Alcohol and Other Drug Education

Crisis Resources:
- Burke 24-hour crisis line: 1.800.392.8343
- National Suicide Crisis Prevention: 9-8-8
- Suicide Prevention Lifeline: 1.800.273.TALK (8255)
- Crisis Text Line: Text HELLO to 741-741