Anatomy & Physiology Syllabus & Policy
2021 / Fall
BIO 2301 Sections .001

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Phone: (936)468-3601
Office: S101
Office hours: MWF 10-11am
TR 9-10am

Class meeting time & place:
M, W, F  Section 001: 9:00-9:50am, Miller Science Building, Rm S137

Lecture Text:
Michael McKinley, Anatomy & Physiology: An Integrative Approach, 4th Ed. Copyright: 2022. ISBN: 9781265761493. This is a 2-year 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 Description:
Three hours per week. Structure and function of the cellular components, integumentary, skeletal, muscular, and nervous systems. Not open to students who have received credit for BIOL 3440. Not open for credit for biology majors or minors. Corequisite: BIOL 2101

Number of Credit Hours:
Three credit hours from Lecture

Course Requirements:
Students must enroll in both lecture (BIOL 2301) and lab (BIOL 2101) and final grades will reflect both components. Lecture includes exams and weekly quizzes.

Grading Policy:
The lecture grade will include quizzes and four exams throughout the semester.

Component Value (Lecture)

<table>
<thead>
<tr>
<th>Component</th>
<th>Value (points)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture quizzes</td>
<td>100 pnts</td>
</tr>
<tr>
<td>Exam 1</td>
<td>100 pnts</td>
</tr>
<tr>
<td>Exam 2</td>
<td>100 pnts</td>
</tr>
<tr>
<td>Exam 3</td>
<td>100 pnts</td>
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<tr>
<td>Exam 4</td>
<td>100 pnts</td>
</tr>
<tr>
<td>TOTAL</td>
<td>500 pnts</td>
</tr>
</tbody>
</table>

I will follow the standard point scale: (447.5 or higher = ‘A’; 397.5-447.0 = ‘B’; 347.5 - 397.0 = “C”; 297.5 – 347.0 = “D”; 297.0 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.
Making Up Exams:
You must have an excused absence to ask for an extension on exams. Excused absences include death in the family, family emergency, sickness, or school related function. If you miss an exam, it is your responsibility to contact me before the next class meeting – failure to do so will result in a ZERO grade for that exam. If you miss an exam, the make-up will be administered as soon as is mutually convenient.

- Sickness - If you are sick you must provide a doctor’s note consistent with the date of the class missed upon return. If you do not contact me before the next class meeting, you will receive a ZERO for the exam grade.
- Family emergency or death - If there is a family emergency or death in the family you will need to contact the Office of Student Rights and Responsibilities ((room) 315 Rusk Building, (telephone) 936-468-2703) and request an absence notification be sent to your instructors. The Office of Student Rights and Responsibilities will notify all your instructors of your absence. A service memorial or other document may be requested by the instructor.
- School function - If you will be absent due to a school related function, you need to notify me at least 24 hours in advance and provide a signed note from the facility member in charge of the function.

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.

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/.

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). 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. 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):
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.

Any student suspected of academic dishonesty will be contacted by the instructor to schedule a virtual or face-to-face meeting. Claims of academic dishonesty will be discussed, and the student will have the opportunity to add any additional information concerning the claim. Penalties for academic dishonesty may include but are not limited to: resubmission of an assignment, resubmission of an assignment with deductions included, zero credit on an assignment, zero credit for a portion of the class, submission of academic dishonesty form to the Chair and/or Associate Dean of the Department and/or College, submission of conduct to the Early Alert Program, letter sent to graduate schools, nursing or health professional programs. A student has the opportunity to appeal any decision made by the instructor to the Chair of the department.

Withheld Grades Semester Grades Policy (A-54):
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 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.
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
CO1 - Critical Thinking Skills - including creative thinking, innovation, inquiry, and 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:
SLO 1: Students will describe the structure, function, and location of the major components of integumentary, skeletal, muscular, and nervous body system. (Cos 1-4)
SLO 2: Students will explain how various body systems interact in order to maintain homeostasis. (Cos 1, 2)
SLO 3: Students will use correct anatomical and physiological terminology. (CO2)

Mental Health Resources
SFASU values students’ mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support student’s mental health and wellness. Many of these resources are free, and all of them are confidential.

On-campus Resources:
SFASU Counseling Services
www.sfasu.edu/counselingservices
3rd Floor Rusk Building
936-468-2401

SFASU Human Services Counseling Clinic
www.sfasu.edu/humanservices/139.asp
Human Services Room 202
936-468-1041

Crisis Resources:
Burke 24-hour crisis line 1(800) 392-8343
Suicide Prevention Lifeline 1(800) 273-TALK (8255)
Crisis Text Line: Text HELLO to 741-741
# BIO 238 Fall 2021 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>Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Aug 23 – Aug 6</td>
<td>M. A vs. P. Human organization. W. Homeostasis F. Atomic structure. Ions and ionic bonds.</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Exam 1 (Chapters 1-3)</strong> W. Intro to cells. Cell membrane and transport F. Osmosis and Active Transport</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>Sep. 6 – 10</td>
<td>M. Energy. W. Enzymes. F. Respiration.</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>Sep 13-17</td>
<td><strong>Exam 2 (Chapters 4 and 6)</strong> W. Skeletal: Cartilage growth + Bone formation F. Bone remodeling and Ca2+ storage.</td>
<td>7</td>
</tr>
<tr>
<td>5</td>
<td>Sep 20 – 24</td>
<td>M. Cell Structures W. Cell Structures: nucleus and DNA. F. Transcription &amp; Translation.</td>
<td>4</td>
</tr>
<tr>
<td>7</td>
<td>Oct. 4 – 8</td>
<td>M. Integumentary S: nails, hair, glands. W. Skeletal sys: Intro + Bone cells F. Skeletal system: Bone matrix + Compact and spongy bone</td>
<td>6</td>
</tr>
<tr>
<td>8</td>
<td>Oct. 11 – 15</td>
<td><strong>Exam 2 (Chapters 4 and 6)</strong> W. Skeletal: Cartilage growth + Bone formation F. Bone remodeling and Ca2+ storage.</td>
<td>7</td>
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<tr>
<td>9</td>
<td>Oct. 18 – 22</td>
<td>M. Muscular sys: Myocyte (sarcolemma, SR) W. Muscular sys: Innervation + synaptic signaling F. Skeletal muscle contraction</td>
<td>10</td>
</tr>
<tr>
<td>11</td>
<td>Nov. 1 – 5</td>
<td>M. NS. Neuron, neuroglia and nerves W. Segments: Receptive and initial F. Segments: Conductive and Transmission (synapse)</td>
<td>12</td>
</tr>
<tr>
<td>12</td>
<td>Nov. 8 – 12</td>
<td><strong>Exam 3 (Chapter 7, 10 and 12)</strong> W. Brain intro. F. Brain: Cerebrum</td>
<td>13</td>
</tr>
<tr>
<td>13</td>
<td>Nov. 15 – 19</td>
<td>M. Brain: diencephalon + brain stem W. Brain: cerebellum + limbic. Spinal cord F. Somatic vs. autonomic NS.</td>
<td>13</td>
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<tr>
<td>14</td>
<td>Nov. 22 – 26</td>
<td>Nov 22 – 26 Thanksgiving Holiday</td>
<td>14</td>
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<tr>
<td>15</td>
<td>Nov 29 - Dec. 1</td>
<td>M. Parasympathetic vs Sympathetic division W. Autonomic neurotransmitters F. Review</td>
<td>15</td>
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<tr>
<td>16</td>
<td>Dec. 6 - 10</td>
<td><strong>Exam 4 (Chapters 13-15)</strong></td>
<td>238 001 Wednesday Dec 8, 8-10 am</td>
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