Physiology (BIOL 3440) LABORATORY (3040) Syllabus
Fall 2021

Instructor: Dr. Jason Bruck (Monday) or Dr. Erin Childress (Tuesday)
Office: Miller 112 (Bruck), Miller 224 (Childress)
Contact info: Jason.Bruck@SFASU.edu, childresse@sfasu.edu

Lab Materials: On D2L

Grading:
The grade you earn in lab counts towards your overall grade in BIOL 3440 (200 out of the 700 total points in the course). The lab portion of your grade will be calculated as follows:

- 4 Quizzes and 1 Anatomy Practical
  → (each worth 25 points; drop lowest score) = 100 points
- “Current Science” Article and Critique = 25 points
- Report = 25 points
- Laboratory Participation (4 points per lab, all-or-none) = 48 points
  = 198 points (2 pts. free 😊)

**You must earn 120 points in lab (60%) to pass BIOL 3440, regardless of your scores in lecture!**

Attendance: Attendance in lab is mandatory. If you are going to, or did, miss a lab for a valid reason (which I will determine), get in touch with me ASAP so that we can schedule a make-up. Labs can only be made up in the week that they are scheduled; after that it is too late. It is your responsibility to contact me; failing to do so promptly will result in a lowered lab participation score and a 0 for any graded assignments conducted that week. The following additional penalties will be assessed for unexcused absences: 1 unexcused absence = no grade reduction (except the loss of participation points); every additional unexcused absence = 20 point reduction per absence (plus loss of participation points).

Participation: Participation in lab is important. This includes: being on time; following instructions; actively participating with your lab group and completing all tasks asked of you; asking questions when you have them; and working safely and cleaning up your area when you are finished. Failure to meet these expectations will prevent you from receiving participation points.

Academic Integrity: 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. Please read the complete policy at http://www.sfasu.edu/policies/4.1-student-academic-dishonesty.pdf.

Americans with Disabilities Act (ADA) Policy Statement: 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/.

**Withheld Grades Semester Grades Policy:** 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. For additional information, go to http://www.sfasu.edu/policies/course-grades-5.5.pdf.
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<tr>
<th>Week of</th>
<th>Lab Activities</th>
<th>Deliverables</th>
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| Aug. 23 | Introduction; Syllabus; Using Scientific Inquiry  
*Lab manual pp. 1-5; D2L handout – “Current Science” critique* | |
| Aug. 30 | The Process of Science: Cockroach Grooming Behavior  
*Lab manual pp. 7-10; D2L handouts: (1) Crabbe et al. 1999;  
(2) “Observation of roach grooming behavior” – lab procedure* | |
| Sept. 6  | Anatomy Overview  
*ARTICLE SELECTION*  
*Lab manual pp. 11-41; D2L handout – “Anatomy checklist”* | |
| Sept. 13 | Neurophysiology  
Cockroach leg *D2L Handout* | |
| Sept. 20 | How to read/write like a scientist  
*D2L handout. The Stressed Student.* | *QUIZ 1 (practical)* |
| Sept. 27 | Dive Reflex – data collection  
*D2L handouts* | *CRITIQUE DRAFT* |
| Oct. 4  | Human Reflex Physiology  
*D2L Handout pp. 53-66.* | *D2L QUIZ 2* |
| Oct. 11 | General Sensation & Special Senses  
*D2L Handout pp. 67-82.* | *PEER REVIEW* |
| Oct. 18 | Special Senses – Cont’d  
*D2L Handout pp. 83-116* | *D2L QUIZ 3* |
| Oct. 25 | Skeletal Muscle Physiology  
*D2L Handout pp. 117-129; 2nd D2L handout – “Skeletal muscle physiology”* | *CRITIQUE FINAL* |
| Nov. 8  | Cardiovascular Physiology: Anatomy & ECGs;  
BP & Heart Sounds  
*D2L Handout pp. 131-164; D2L handout – “Cardiovascular physiology”* | *D2L QUIZ 4* |
| Nov. 15 | Urine Physiology  
D2L Handout- Urine Physiology | *D2L QUIZ 5* |
| Nov. 22 | **No Labs. Thanksgiving** | |
| Nov. 29 | **No Labs – REPORT DUE BY 5:00PM Monday Dec 6th** | |