

## **HUMAN BIOLOGY (BIOL 1104, CRN# 21172)**

**Course syllabus: Spring 2023**

**100% On-line**

**INSTRUCTOR:** Paul Rafael B. Sabandal, Ph.D.

- Contact via Blackboard “Email the instructor” link (preferred) or pbsabandal@utep.edu

**VIRTUAL OFFICE HOURS:** Anytime via Blackboard course e-mail (Email the instructor link)

- I will answer your questions as soon as possible but if you do not hear from me right away, please give me about 24-48 hours to reply.

**PREQUISITES:** None

**CREDIT HOURS:** 1.0

**REQUIRED TEXT:**

- PhysioEx 10.0, Laboratory Simulations in Physiology by Zao, Stabler, Smith, Lokuta & Griff, published by Pearson Benjamin Cummings, 2020, for laboratory exercises. It comes with an Access Code allowing you to simulate the labs from Lab 7 (Mar 20 – 26) of this course.
- Alternatively, you can gain access to PhysioEx online via PhysioEx.com.

### **IMPORTANT DATES and GRADING DISTRIBUTION**

**January 17 – 22** Biography post – **4% of final grade**

**Lab exams – 40% of final grade**

**February 6 – 12** Exam 1 – 20% of final grade

**March 6 – 12** Exam 2 – 20% of final grade

**Lab reports – 56% of final grade**

**March 26** Lab report 1 due – 8% of final grade

**April 2** Lab report 2 due – 8%

**April 9** Lab report 3 due – 8%

**April 16** Lab report 4 due – 8%

**April 23** Lab report 5 due – 8%

**April 30** Lab report 6 due – 8%

**May 7** Lab report 7 due – 8%

**Final grades will be assigned as follows:**

- A = 90 – 100 %
- B = 80 – 89 %
- C = 70 – 79 %
- D = 60 – 69 %
- F = 0 – 59 %

## HUMAN BIOLOGY (BIOL 1104, CRN# 21172)

### Course calendar/schedule: Spring 2023

| Dates                           | Information on lectures and on exams  |
|---------------------------------|---|
| January 17 – 22                 | Lab 1: Cells and Cell Structures  |
| January 23 – 29                 | Lab 2: Mitosis  |
| January 30 – February 5         | Lab 3: Tissues and Organ Structure  |
| <b>February 6 – 12</b>          | <b>Exam 1: covers lectures Labs 1,2, 3; Exam 1 response due February 12</b> |
| February 13 – 19                | Lab 4: Surface Anatomy  |
| February 20 – 26                | Lab 5: Skeletal System  |
| February 27 – March 5           | Lab 6: Muscular System  |
| <b>March 6 – 12</b>             | <b>Exam 2: covers lectures Labs 4, 5, 6; Exam 2 response due March 12</b>   |
| <b>March 13 – 19</b>            | <b>Spring Break &gt;&gt;&gt; No class lecture</b>                           |
| March 20 – 26                   | Lab 7: PhysioEx Exercise 1; <b>Lab report due March 26</b>                  |
| March 27 – April 2              | Lab 8: PhysioEx Exercise 2; <b>Lab report due April 2</b>                   |
| April 3 – 9                     | Lab 9: PhysioEx Exercise 3; <b>Lab report due April 9</b>                   |
| April 10 – 16                   | Lab 10: PhysioEx Exercise 6; <b>Lab report due April 16</b>                 |
| April 17 – 23                   | Lab 11: PhysioEx Exercise 8; <b>Lab report due April 23</b>                 |
| April 24 – 30                   | Lab 12: PhysioEx Exercise 4; <b>Lab report due April 30</b>                 |
| May 1 – 7                       | Lab 13: PhysioEx Exercise 9; <b>Lab report due May 7</b>                    |
| <b>May 8 – 12 (Finals week)</b> | <b>No final exam – No class/lab</b>   |

Note: The schedule is subject to change - check blackboard for updates/announcements

**Course drop/withdrawal deadline: March 30, 2023**

## **IMPORTANT COURSE INFORMATION and POLICIES**

### **COURSE GOALS:**

- Students will study the basic microanatomy of human cells, tissues, and organs, focusing on the link between structure and function.
- Students will study the gross anatomy of human skeletal and muscular systems to better understand the mechanics of human movement.
- Students will perform laboratory experiments to study phenomena related to human biology and submit lab reports on their findings.

### **INSTRUCTOR'S RESPONSIBILITY:**

- To provide students with a challenging and stimulating environment for learning that also encourages discussion, questions and respects individual opinions.

### **STUDENT'S RESPONSIBILITY:**

- Students are expected to keep up with course assignments as indicated on the syllabus. A reminder will be sent out at the beginning of each week that will include the lecture and tasks needed to be completed for the week.
- If you miss a scheduled exam or a deadline for an assignment, only a serious personal emergency will be considered as an excuse and you must apply in writing (via e-mail is acceptable) to the instructor to explain why an exam or assignment was missed.
- If any exam or assignment deadline is missed without an instructor approved excuse, half credit for the missed exam or assignment can be obtained by completing the exam or assignment within one week following the deadline.
- After one week has passed beyond the deadline for an exam or assignment, no credit will be able to be earned for that exam or assignment.

### **TESTING CONDITIONS:**

- All exams are "open book" exams meaning that you will be able to have any and all supporting materials you think are necessary to complete the exam.
- All exams will be administered online via Blackboard.
- Lab exams are mainly composed of questions including True/False, multiple choice and matching labels to pictures/figures.
- The exams will be available to take during the week of an exam from Monday morning (~12:00 AM) through the following Sunday evening (~11:59 PM) of that week.

### **ACCESSIBILITY STATEMENT:**

- As per Section 504 of the Vocational Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990, if a student needs an accommodation then the Office of Center for Accommodation and Support Services (CASS) located at UTEP needs to be contacted.
- If you have a condition, which may affect your ability to perform successfully in this course, you are encouraged to discuss this in confidence with the instructor and/or the director of the Center for Accommodation and Support Services (CASS). You may call 915-747-5148 for general information about the American with Disabilities Act (ADA) and the rights that you have as a UTEP student with a disability.
- Individuals with disabilities have the right to equal access and opportunity. It is the student's responsibility to contact the instructor and The Center for Accommodation and Support Services (CASS) at The University of Texas at El Paso.

**ACADEMIC/SCHOLASTIC INTEGRITY:**

- Academic dishonesty is an assault upon the basic integrity and meaning of a University.
- Cheating, plagiarism and collusion in dishonest activities are serious acts which erode the University's educational and research roles and cheapen the learning experience not only for the perpetrators, but also for the entire community.
- It is expected that UTEP students will understand and subscribe to the ideal of academic integrity and that they will be willing to bear individual responsibility for their work.
- Materials (written or otherwise) submitted to fulfill academic requirements must represent a student's own efforts.
- Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. Violations will be referred to the Dean of Students Office for possible disciplinary action. Students may be suspended or expelled from UTEP for such actions.

**TECHNICAL REQUIREMENTS:**

- The University of Texas at El Paso provides free 24/7 Helpdesk support to academic students and faculty members teaching on-line through the [Tech Support Company]. The Helpdesk can provide answers to questions about using technology and services, as well as, technical support. Please visit the technical support page for more information.

**LAB REPORT INSTRUCTIONS**

- Beginning with Lab 7, lab reports are required for submission by the deadline indicated in the Important Dates section at the beginning of this syllabus.
- There will be 7 lab reports to be submitted in either Microsoft Word (.doc) or pdf format. Instruction details for each week's exercise will be provided on the Weekly folders.