

**THE UNIVERSITY OF TEXAS AT EL PASO COLLEGE OF SCIENCE**

**DEPARTMENT OF BIOLOGICAL SCIENCES**

**Course #:** BIOL 1108

**Course Title:** LABORATORY COURSE – Organismal Biology

**Term:** Spring 2021

**Meetings & Location:** T/Th 9-11:50AM / Biology Building 412- **THIS IS A HYBRID COURSE. Attendance in lab is optional.**

**Prerequisite Courses:** BIOL 1305 or BIOL 1306/1108 (can be taken concurrently)

**Instructor:** Mr. Angel Torres and Dr. Charlotte M. Vines

**Office Location:** Biosciences 4.124 (Torres) and Biosciences 4.126 (Vines)

**Contact Info:** (915) 747-8126/ [atorres61@utep.edu](mailto:atorres61@utep.edu) / [cvines@utep.edu](mailto:cvines@utep.edu)

**Office Hours:** T online from 2-3 pm

**Textbook(s), Materials: Required:** Lab manual and handouts, Lab book

**Course Activities and Assignments:**

In this course, we will attempt to generate, purify and analyze protein antagonists. Evaluation will be based on your performance in the laboratory. Your performance will be evaluated based on the completeness of your notebook (and if you are able to attend class - participation during the class). Each notebook must be maintained online and contain a **table of contents** (pages 1 and 2) and **complete experiments** (**Date of study, purpose of study, hypothesis being tested, approach to test the hypothesis/experiments, results, discussion of what you will do with the results**). You will be graded on neatness, and completeness of the entries. You are expected to purchase and wear a laboratory coat, and goggles to each class. In addition, you are expected to wear closed-toe shoes, and legs must be fully covered with pants (no holes in your pants please!). Dresses, short and skirts will not be allowed. **If you are not dressed appropriately you will not be allowed to participate that day in lab and your absence will be unexcused. No exceptions!**

## **Assessment of Course Objectives:**

Student grades will be based on the weekly lab quizzes (20%), notebooks (45%), and final presentation (15%), as well as attendance or reviewing of GoPro Videos (20%). A 10-minute quiz will be administered at the beginning of Thursday's class. Attendance is not mandatory, however, if you are unable to attend, you are still expected to contribute to the lab studies by reviewing the GoPro videos. For each lab activity attendance **OR review** missed you will lose 10% of your attendance. **Notebooks will be deducted 10% for each day the notebook is late.** At the end of the semester each student will give a 15 minutes- (10 presentation/5 minutes for questions). PowerPoint presentation on the work that they have completed during the semester.

## **Course Schedule (Subject to change): See Table**

**Make-up Policy:** There will be **NO MAKEUP QUIZZES**. If you miss a quiz you will receive the score of **ZERO**.

**Grade Disputes:** **UNDER EXTENUATING CIRCUMSTANCES, AT THE DISCRETION OF MR TORRES STUDENTS WILL BE ALLOWED TO MAKE UP A QUIZ. THIS QUIZ MUST BE MADE UP, DURING OFFICE HOURS, WITHIN ONE WEEK OF THE MISSED QUIZ. Students who fail to take a quiz without prior approval from Mr. Torres will earn a score of zero for the quiz**

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**Attendance Policy:** 20% of your grade will be derived from attendance. Being continuously late, will lead to deductions of points.

**Academic Integrity Policy:** The UTEP academic integrity policy will be strictly enforced during exams. Any student failing to adhere to the policy will be disciplined.

**Civility Statement:** **During the quizzes, all cell phones should be turned off during class. Students with disruptive behavior will be asked to leave the class. If you are tardy and miss the quizzes there will be no makeup quiz.**

## **Letters grade for this class will be assigned as follows:**

A 100-90%

B 80-89%

C 70-79%

D 60-69%

F 0-59%

**Academic Integrity:** The UTEP academic integrity policy will be strictly enforced during exams. **Students are expected to be above reproach in all scholastic activities.**

Students who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the university.

“Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, and the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another student, any act designed to give unfair advantage to a student or the attempt to commit such acts.” Regent’s Rules and Regulations, Part One, Chapter VI, Section 3.2, Subdivision 3.22. Since scholastic dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. From the UTEP Dean of Student Affairs (<http://studentaffairs.utep.edu/Default.aspx?tabid=4386>) “It is an official policy of university that all suspected cases or acts of alleged scholastic dishonesty must be referred to the Dean of Students for investigation and appropriate disposition. Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to cheating, plagiarism, collusion, and the submission

**Examples of “cheating” include:**

- Copying from the homework, in-class work or exam paper of another student, engaging in written, oral, or any other means of communication with another student during an exam or homework assignment, or giving aid to or seeking aid from another student during a test.
- Possession and/or use during an exam or home test of materials which are not authorized by the person giving the test, such as class notes, books, or specifically designed “crib notes”.

- Using, obtaining, or attempting to obtain by any means the whole or any part of non-administered test, test key, homework solution, or computer program; using a test that has been administered in prior classes or semesters but which will be used again either in whole or in part without permission of the instructor; or accessing a test bank without instructor permission.
- Collaborating with or seeking aid from another student for an assignment without authority.
- Substituting for another person, or permitting another person to substitute for one's self, to take a test.
- Falsifying research data, laboratory reports, and/or other records or academic work offered for credit.

**“Plagiarism”** means the appropriation, buying, receiving as a gift, or obtaining by any means another's work and the unacknowledged submission or incorporation of it in one's own academic work offered for credit, or using work in a paper or assignment for which the student had received credit in another course without direct permission of all involved instructors. NOTE: This includes cutting-and-pasting and photocopying from on-line and other material.

**“Collusion”** means the unauthorized collaboration with another person in preparing academic assignments offered for credit or collaboration with another person to commit a violation of any provision of the rules on scholastic dishonesty.

### **Disability Statement:**

If a student has or suspects she/he has a disability and needs an accommodation, he/she should contact the Disabled Student Services Office (DSSO) at 747-5148, [dss@utep.edu](mailto:dss@utep.edu), [cass@utep.edu](mailto:cass@utep.edu) or go to Room 106 Union East Building. For additional information please visit the CASS website at [www.sa.utep.edu/cass](http://www.sa.utep.edu/cass). The student is responsible for presenting to the instructor any DSS accommodation letters and instructions.

### Military Statement:

If you are in the military, with the potential of being called up for military service and/or training during the course of the semester, you are encouraged to contact Dr. Vines as soon as possible

Spring 2020 Dates		Due Dates
<b>Week 2</b> <b>01/26</b>	<ul style="list-style-type: none"><li>- <b>Review of the last semester</b></li><li>- What did we do and why?</li><li>- Syllabus Spring 2018</li><li>- Basic Laboratory Safety</li></ul>	<b>Theory:</b> Literature discussion CCL21 solubilizing – <b>Please be prepared to lead a discussion if asked! – Methods paper on BB</b>
<b>01/28</b>	<ul style="list-style-type: none"><li>- Preparation of Buffers! – O.N. cultures of BL21 DE3 pSUMO-8.83</li></ul>	Quiz 1 – review BIOL 1107
<b>Week 3</b> <b>02/2</b>	<ul style="list-style-type: none"><li>- Isolation of Protein / Coomassie</li></ul>	Papers for Literature Presentation will be online
<b>02/04</b>	<ul style="list-style-type: none"><li>- Westernblot - Coomassie/ Dialysis of SUMO-8.83</li></ul>	Quiz 2/Lab Notebook due
<b>Week 4</b> <b>02/09</b>	<ul style="list-style-type: none"><li>- SUMO- 8.83 digestion</li></ul>	
<b>02/11</b>	<ul style="list-style-type: none"><li>- Westernblot / Coomassie</li></ul>	Quiz 3 / Lab Notebook due
<b>Week 5</b> <b>02/16</b>		Literature Presentation Gr.1
<b>02/18</b>		Quiz 4 / Lab Notebook due
<b>Week 6</b> <b>02/23</b>		Literature Presentation Gr.2
<b>02/25</b>		Quiz 5 / Lab Notebook due
<b>Week 7</b> <b>03/2</b>		Lab report 5 Literature Presentation Gr.3
<b>03/4</b>		Quiz 6 / Lab Notebook due
<b>Week 8</b> <b>03/9</b>		Lab report 6 Literature Presentation Gr.4
<b>03/11</b>		Quiz 7 / Lab Notebook due

<b>Week 9</b> <b>03/12 to 03/16</b>	Spring Break – No class	
<b>Week 10</b> <b>03/23</b>		
<b>03/25</b>		Quiz 8 / Lab Notebook due
<b>Week 11</b> <b>03/30</b>		Lab report 8 Literature Presentation Gr.5
<b>04/01</b>		Quiz 9 / Lab Notebook due
<b>Week 12</b> <b>04/06</b>		Lab report 9 Literature Presentation Gr.6
<b>04/08</b>		Quiz 10 / Lab Notebook due
<b>Week 13</b> <b>04/13</b>		Lab report 10 Literature Presentation Gr.7
<b>04/15</b>		Quiz 11 / Lab Notebook due
<b>Week 14</b> <b>04/20</b>		Lab report 11
<b>04/22</b>		Quiz 12 / Lab Notebook due
<b>Week 15</b> <b>04/27</b>		
<b>04/29</b>		
<b>05/04</b>	Final Presentations – Groups 1 to 4	
<b>05/06</b>	Final Presentations – Groups 5 to 7	
<b>No classes during Finals week!</b>		