

**Human Structure and Function BSC 1409 Lab Syllabus  
Spring 2013**

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|----------------------|--|---|
| <b>Instructors:</b>  | <b>Jerrold Tynes</b>   | <b>Lauren Bailey</b>  |
| <b>Offices:</b>      | <b>STC 241</b>   | <b>STC 201</b>  |
| <b>Emails:</b>       | <b>jtynes@leomail.tamuc.edu</b>  | <b>lbailey@leomail.tamuc.edu</b>  |
| <b>Office Hours:</b> | <b>Monday 10:00 am- 11:30 am</b><br><b>Wednesday 10 am- 11:30 am</b><br><b>Or by appointment</b> | <b>Wednesday 12:00 pm – 1:00 pm</b><br><b>Friday 12:00 pm – 1:00 pm</b><br><b>Or by appointment</b> |

**Lab Manual:** *Thinking About Biology* 4th Ed. By: Mimi Bres & Arnold Weisshaar

**Attendance:** Attendance in lab is mandatory. Missing **four or more** labs will result in an automatic failure. See Student's Guide Handbook for a list of absences that are considered excused. Class begins at the assigned time, **be there**. If you have an EXCUSED absence, an assignment to make up for the grades missed will be given by the instructor to the student.

**Classroom Conduct:** All student enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment as set forth in the Student's Guide Handbook, Policies and Procedures, Conduct.

**Grading:**

|                |     |
|----------------|-----|
| Attendance     | 20% |
| Quizzes:       | 20% |
| Lab Exercises: | 20% |
| Mid-term Exam: | 20% |
| Final Exam:    | 20% |

**Lab Exercises:** It is your responsibility to have your lab manual. There may be lab manual checks during the semester of the SELF TEST portions. You may **NOT** turn in your lab exercise on a piece of notebook paper. If you are renting or borrowing a book in some other form you **MUST** make copies of the lab that you will be handing in. For the most part, I will just be checking off the exercise at the end of the lab period. If you want to receive FULL credit for lab exercises you must complete the exercise in class and be checked off before leaving for the day. If you leave prior to being checked off you will receive a **ZERO** for the day. Lab exercises will be turned in at the end of class, **ONLY** if the class runs late will you be able to turn it in the following week. **No late work will be accepted.** If you have an excused absence the instructor will assign work for a make-up grade. If labs end prior to the allotted time, I will be available for questions. If not and you have questions please come see me during my office hours or email me.

**Quizzes:** **ALL** quizzes will be given at the beginning of lab before the actual exercise. Quiz material will come from the lab for the day. **You have to be present and on time to take the quiz. If you are late, you will not take the quiz. You can still participate in the lab and get credit; you just won't get a quiz grade for the day.**

**Disabilities** — Students with Disabilities: The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their

disabilities. If you have a disability requiring an accommodation, please contact: **Office of Student Disability Resources and Services, Texas A&M University-Commerce, Gee Library, Room 132 Phone (903) 886-5150 or (903) 886-5835 Fax (903) 468-8148**  
**StudentDisabilityServices@tamu-commerce.edu**

**Behavior** — All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment.” (See Student’s Guide Handbook, Policies and Procedures, Conduct)

**Plagiarism** — Plagiarism is a criminal activity. You must cite all sources of information. Unreferenced copying of material, whether parts of sentences, whole sentences, paragraphs, or entire articles can result in a score of zero for your assignment and may result in further disciplinary action.

**Early Intervention for First Year Students** — Early intervention for freshmen is designed to communicate the University’s interest in their success and a willingness to participate fully to help students accomplish their academic objectives. The university through faculty advisors and mentors will assist students who may be experiencing difficulty to focus on improvement and course completion. This process will allow students to be knowledgeable about their academic progress early in the semester and will provide faculty and staff with useful data for assisting students and enhancing retention. Grade reports will be mailed by the end of the sixth week of the semester

**Lab Safety:** Safety in the lab is very important and any issues of special note will be discussed and reviewed before lab each week. There are a few rules that need to be followed at all times though. **Food and drink, including gum are never allowed in the lab, and open-toed shoes and anything other than long pants or a long dress should not be worn.** Failure to comply will result in you being asked to leave the lab.

### Tentative Lab Schedule:

| Week | Date            | Laboratory Protocol  |
|------|-----------------|--|
| 1    | Jan 15-17       | Lab Safety & Syllabus                                      |
| 2    | Jan 22-24       | Exercise 3 – Functions and Properties of Cells             |
| 3    | Jan 29-31       | Exercise 10- Mitosis and Asexual Reproduction              |
| 4    | Feb 5-7         | Exercise 9- Introduction to Molecular Genetics             |
| 5    | Feb 12-14       | Exercise 12- Human Genetics                                |
| 6    | Feb 19-21       | Exercise 8- Factors that Affect Enzyme Activity            |
| 7    | Feb 26-28       | Exercise 14- Functions of Tissues and Organs               |
| 8    | Mar 5-7         | <b>Mid-Term Exam</b>                                       |
| 9    | Mar 19-21       | Exercise 15- The Cardiovascular System                     |
| 10   | Mar 26-28       | Exercise 17- Organs of the Abdominal Cavity                |
| 11   | Apr 2-4         | Exercise 16- Intro to Anatomy: Dissection of the Fetal Pig |
| 12   | Apr 9-11        | Exercise 7: Organic Molecules and Nutrition                |
| 13   | Apr 16-18       | Exercise 18- Introduction to Forensic Biology              |
| 14   | Apr 23-25       | Exercise 13- Evolution                                     |
| 15   | Apr 30-May<br>2 | <b>Final Exam</b>  |

\* The instructors reserve the right to administer revisions to the class schedule if circumstances require.