Semester and Year: SPRING 2019
Section: 83003
Class time and days: Lecture: Monday/Friday 11:15 am - 12:35 pm
Lab: Wednesday 11:15am - 2:05pm
Room: Lecture: Y101 Lab: SH131
Instructors: Dr. Edith Ofuoku and Dr. Annika Lindqvist
Contact Info: ofuoku@dccc.edu or annika@dccc.edu
Office: A110
Phone: 972-238-6140 Access Office
Last date to withdraw: Wednesday April 17
Final Exam Day/time: Wednesday May 15 @ 11:15am -1:05 pm

Evaluation Procedures:
Course grade is determined as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lecture exams 1-3 (3 @ 100)</td>
<td>300</td>
<td>&lt; 60% = F</td>
</tr>
<tr>
<td>Lecture exam 4 + Final</td>
<td>150</td>
<td>60-69% = D</td>
</tr>
<tr>
<td>Pre-labs quizzes</td>
<td>100</td>
<td>70-79% = C</td>
</tr>
<tr>
<td>Lab practical (3 @ 70)</td>
<td>210</td>
<td>80-89% = B</td>
</tr>
<tr>
<td>Mastering A&amp;P Homework</td>
<td>100</td>
<td>90-100% = A</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>860</td>
<td></td>
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</tbody>
</table>

LAB points:
- Lab attendance:
  - Missing a lab is REALLY going to affect your lab grade, so try to go to another section to make the lab up. I can give you times of other sections. However, you need to introduce yourself to that instructor, and ask them if it is alright to attend their lab.
- Pre-lab quizzes:
  - due before lab starts
- Lab Practicals
  - If you cannot attend your own section’s scheduled lab practical, you will need to attend another lab period during the lab practical time period.
  - There are **no make-ups for a missed lab practical**.

Exams:
- All of the sections of Biol 2401-2402 are organized the same way, same number of lecture tests, lab practicals, etc., including a **cumulative final exam**.
- You will may not be allowed to take a test if you are more than 20 minutes late.
- If some unforeseen (or foreseen, for that matter) problem keeps you from a class period which has a lecture test scheduled, there will be a **make-up at the END of the semester, in essay format**. Only one test may be made up in a semester.

Attendance Policy:
In order to be successful, students must attend and participate in enrolled courses. Attendance is necessary for class participation and course work. **You are expected to be in class every period.** If there is a conflict in your schedule, contact me ASAP.

If you are unable to complete this course, it is your responsibility to withdraw formally. The withdrawal request must be received in the Registrar’s Office by the **last day to withdraw** (see above for date). Failure to do so will result in your receiving a performance grade, usually an “F.”
Required Materials:

1. **Textbook:** *FUNDAMENTALS OF ANATOMY & PHYSIOLOGY* (11th ed.)—4 choices
   - Mastering A&P with eText - ISBN 013447869x or 9780134478692
   - Mastering A&P + 3 hole punch unbound print - ISBN 0134478754 or 9780134478753
   - Mastering A&P + clothbound text - ISBN 013439495x or 9780134394954
   - IF YOU ALREADY HAVE A TEXTBOOK, and just need the MAP access---
     can buy directly from masteringaandp.com
   - Get into Mastering A&P with [http://masteringaandp.com](http://masteringaandp.com) OR access on eCampus; register for the homework system, by using the COURSE ID (SP19BIOL240183003)

2. **Lab manual:**
   1. *HUMAN ANATOMY & PHYSIOLOGY Laboratory Manual* – cat version (11th edition) by Elaine N. Marieb et al. **Choose ONE of these alternatives!**
      a. A shorter version, compiled by Jackie Reynolds, which contains only the parts used in the 2401 course, including the cat dissection pages; ISBN-13: [9781269124744](https://www.amazon.com/dp/9781269124744), price for new at campus bookstore: $49.70
      b. Complete manual that covers both 2401 and 2402 courses: ISBN [9780321822192](https://www.amazon.com/dp/9780321822192) without Mastering A&P code access – (this access code is not the same as mentioned under “Textbook”!)

   Be sure to bookmark this website OR access on eCampus: [http://delrio.dcccd.edu/jreynolds/A&P/index.html](http://delrio.dcccd.edu/jreynolds/A&P/index.html)

   It has links to lab practical reviews, graphics that go along with the lab manual, and links for microbiology courses, also.

Instructor Policies and Suggestions for Student Success:

- Students pursuing careers in the Health Professions can find specific information on occupations, resources, financial aid, and programs at Texas institutions at this RLC Health Professions website: [www.rlc.dcccd.edu/medcareers](http://www.rlc.dcccd.edu/medcareers)
- This class DEMANDS group interactive skills, both in lab and lecture. Be aware that you will have to COOPERATE with lab partners, in addition to collaborative work groups in the lecture class. Be prepared to be an ACTIVE learner, and to work cooperatively with other students: **IF YOU CANNOT OR WILL NOT DO THIS, YOU MIGHT WANT TO RE-THINK THIS CLASS.**
- MINK DISSECTIONS ARE PERFORMED IN THE LAB, PER TABLE: BE AWARE OF THIS REQUIREMENT. IT IS YOUR RESPONSIBILITY TO HAVE GLOVES WHEN NEEDED IN LAB.
- You are expected to behave in an adult manner while in class. Inappropriate class behaviors include sleeping, working on other class assignments, talking incessantly, and cheating. If you behave in a non-adult, irresponsible manner, you will be asked to leave the classroom. **Cheating on a lab quiz or lecture exam is absolutely forbidden and is grounds for giving you an F as a course grade.**
- Assignments are DUE at the beginning of class on the day it is due. If it is late, points will be taken off. If it is more than 2 days late, there will be no credit for the assignment.
- Please be considerate enough to turn your cell telephones to vibrate, AND leave the room as quietly as possible to talk (ONLY IF ABSOLUTELY NECESSARY to talk right then and right
During an exam or lab practical, all phones will be put up and turned off. No text messaging during class time, please.

- FOOD AND DRINK IN THE CLASSROOM? You may bring in munchies and drinks IN, but you have to carry the trash from these items OUT! I will remind you about this if I see you leaving trash.
- Consider this class as or more important than your job. It is not O.K. to leave lab early, or miss lab completely, because of work.

"Academic dishonesty" is understood as any act of deceit bearing on one’s own or another’s academic work, where "academic work" is understood to mean any activity pertaining to the educational mission of the college. Such acts include, but are not limited to, plagiarism in any form; the use during an exam of information or materials not authorized by the instructor for such use and any other activities which are designed to deceive an instructor in the evaluation of the level of the student’s achievement.

plagiarism = deliberate use of someone else’s language, ideas, or other original (not common-knowledge) material without acknowledging its source. This definition applies to texts published in print or on-line, to manuscripts, and to the work of other student writers. Plagiarism is the taking of someone’s ideas and misrepresenting them as one’s own ideas. Most people know that this obviously includes word-for-word lifting of words, but it also includes lifting ideas (even paraphrasing them in your own words) without giving someone credit for them (either by footnoting, or in the Works Cited at end of the paper) Plagiarism is NOT allowed.

Academic Misconduct Regarding Exams & Lab Practicals:
Cheating on tests and lab practicals include, but is not limited to, the following activities:
- looking onto someone's answer sheet, even if you do not use their answers,
- knowingly allowing someone to look onto your answer sheet,
- using a cheat sheet, or other unauthorized material
- talking to someone or otherwise exchanging information during an exam,
- asking someone what is on a lab practical or telling someone what is on a lab practical,
- waiting out in the hallway when people have just taken the exam to hear them discuss the lab exam.
- removing from lab any material meant to stay in lab, e.g., models, dissected organs, etc.,
- writing answers on the table
- writing answers on the question card
- going or looking into a lab where the lab practical is set up, and,
- getting the answer key before the test.

Students should not leave during an exam, quiz, or lab practical to use the bathroom. Go BEFORE the exam. If you have a health problem which your instructor needs to know about, to enable you to leave class to go to the restroom, please inform him/her at the beginning of the semester.

Any student violating any rule(s) above or anything deemed Scholastic Dishonesty (under Code of Student Conduct) will get a ZERO on the lab practical, exam or assignment.

Institutional Policies:
Institutional Policies relating to this course can be accessed from the following link
[www.richlandcollege.edu/syllabipolicies]

RICHLAND COLLEGE’S QUALITY ENHANCEMENT PLAN – LEARNING TO LEARN:
DEVELOPING LEARNING POWER: Richland College is piloting its Quality Enhancement Plan (QEP) in select classes. The QEP provides techniques, practices, and tools to help students develop
the habits, traits or behaviors needed to be effective and successful lifelong learners in college and in life. For more information, please check QEP 2013 (http://www.richlandcollege.edu/qep).

ACADEMIC PROGRESS: Students are encouraged to discuss academic goals and degree completion with their instructors. Specific advising is available throughout the semester. Check Richland College Steps to Success (http://www.richlandcollege.edu/admissions/process.php) for more details. Also, consult the Advising Syllabus http://richlandcollege.edu/assets/uploads/2015/02/advising-syllabus.pdf regularly to check if you are on track.

Catalog Course Description

Prerequisite Required: BIOL 1406 with a grade of "C" or better within the last three years or satisfactory score on the Biology CLEP exam. Students must be college level ready in Reading and Writing.

Course Description: Anatomy and Physiology I is the first part of a two course sequence. It is a study of the structure and function of the human body including cells, tissues and organs of the following systems: integumentary, skeletal, muscular, nervous and special senses. The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. This is a transferable Major’s course intended for those seeking to complete a Bachelor's Degree. (3 Lec., 3 Lab.)

Course Objectives
Biology 2401 is recommended as required or an elective course for biology majors, pre-medical/pre-dental students, nursing students, and others who are in the allied health professions. The semester covers the structure and function of the human body in both a lab and lecture format. In addition to the extensive lab coverage of human anatomy and histology, mink dissections will be a major component of the course.

Learning Outcomes
Lecture: Upon successful completion of this course, students will:
1. Use anatomical terminology to identify and describe locations of major organs of each system covered.
2. Explain interrelationships among molecular, cellular, tissue, and organ functions in each system.
3. Describe the interdependency and interactions of the systems.
4. Explain contributions of organs and systems to the maintenance of homeostasis.
5. Identify causes and effects of homeostatic imbalances.
6. Describe modern technology and tools used to study anatomy and physiology.

The lab provides a hands-on learning experience for exploration of human system components and basic physiology. Systems to be studied include integumentary, skeletal, muscular, nervous, and special senses.

Lab: Upon successful completion of this course, students will:
1. Apply appropriate safety and ethical standards.
2. Locate and identify anatomical structures.
3. Appropriately utilize laboratory equipment, such as microscopes, dissection tools, general lab ware, physiology data acquisition systems, and virtual simulations.
4. Work collaboratively to perform experiments.
5. Demonstrate the steps involved in the scientific method.
6. Communicate results of scientific investigations, analyze data and formulate conclusions.
7. Use critical thinking and scientific problem-solving skills, including, but not limited to, inferring, integrating, synthesizing, and summarizing, to make decisions, recommendations and predictions.
CORE CURRICULUM Statement of Purpose
Through the Texas Core Curriculum, students gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning.

Core Objectives for the Sciences:
- **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
- **Communication Skills** - to include effective development, interpretation and expression of ideas through written, oral and visual communication
- **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
- **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.