McLennan COMMUNITY COLLEGE

WACO, TEXAS

COURSE SYLLABUS

AND

INSTRUCTOR PLAN

Anatomy and Physiology I

BIOL 2401.87

Donna Ewing

NOTE: This is a 16-week course.

COVID 19 Notice:

McLennan Community College is committed to providing you with every resource you need to reach your academic goals including your safety. We will continue to monitor the evolving situation with COVID 19 and adjust our safety guidelines to make sure we offer a safe environment for you and our faculty. Please make sure to consult your faculty and the MCC website on any changes to these guidelines.

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. Emphasis is on interrelationships among systems and regulation of physiological functions involved in maintaining homeostasis. 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.

Semester Hours 4(3 lec/3lab)

Prerequisites and/or Corequisites:

Must have passed the reading and writing portion of the TSI Assessment or have credit for INRW 0402.

Instructor Information:

Instructor Name: Donna Ewing

E-mail: dewing@mclennan.edu

Office Location: Science
Building 243

Office/Teacher Conference Hours: Zoom by appointment

All textbook materials are available through Inclusive Access in the Brightspace Course. Students do not need to purchase anything additional from the bookstore.

Required: Computer that has Chrome installed with either a built in webcam or one purchased separately. This is required for proctored exams. Reliable internet is also required. Always have a plan B.

Methods of Teaching and Learning:

Lectures, exams, labs, digital media and /or alternative means.

Course Objectives and/or Competencies: Course Objectives:

- **Critical Thinking (CT) --** to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
  - *Taught through daily discussion and assessed using lecture exams with a course-wide bank of CT questions and laboratory challenge students to answer more complicated real-life questions and predict outcomes using what they've learned in lecture.*

- **Communications Skill (COM)--** to include effective written, oral, and visual communication
  - *Taught through formal or informal presentation (including oral, written, and visual components), class discussion and assessment via common rubric for use of scientific language, clarity, and understanding. Also taught using scientific articles or current events within face-to-face or*

online discussion groups.

- **Empirical & Quantitative Skills (EQS) --** to include applications of scientific and mathematical concepts.
  - *Taught using specific laboratory exercises involving measurements and very basic data collection. (E.g., measuring arm length among each group, tallying*

the data, and then analyzing it by gender and height.).

- **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
  - *Taught using specific laboratory or homework exercises and/or through class or online discussion of a given topic.*

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.

Learning Outcomes (laboratory):

Upon successful completion of this course, students will:

1. Apply appropriate safety and ethical standards.
2. Locate ad identify anatomical structures.
3. Appropriately utilize laboratory equipment, such as microscopes, dissection tools, generallabware, physiologydataacquisitionsystems,andvirtualsimulations.
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

Course Schedule 2401 Spring 2022

	Course Unit	Assignment and Labs	Tests	Due Dates @ 11:59 pm CST
Week 1	**Course Unit 1**	Intro to A and P Smart Book- Intro	**START IN BRIGHSPACE**	**Wed Jan 12**
	Chap 1	SmartBook APR- Anatomy Physiology Revealed	Test Dates Subject to change	**Sat Jan 15**
Week 2	**START IN**	**BRIGHTSPACE**		
	Tissues Chap 5-	Smart Book		**Wed Jan 19**
	Tissues	Smart Book APR, Lab		**Sat Jan 22**
Week 3	**Course Unit 2**	**START IN**	BRIGHTSPACE	
	Skin Chapter 6	SmartBook		**Wed Jan 26**
		APR		**Sat Jan 29**
	Reviews	**Chapter 1 and 5**	TEST 1	**Sat Jan 29**
Week 4	**START IN**	**BRIGHTSPACE**		
	Bones- Chapter 7	Smart Book APR		**Wed Feb 2**

		Smart Book-Part 2 Animations		**Sat Feb 5**
Week 5	**LOT OF WORK**	**THIS WEEK**	**START IN**	**BRIGHTSPACE**
	Skeletal- Chapter 8	Smart Book APR		**Wed Feb 9**
		Smart Book APR		**Sat Feb 12**
Week 6	**Course Unit 3**	**START IN**	**BRIGHTSPACE**	
	Joints 9	Smart Book APR		**Wed Feb 16**
		APR, Animations		**Sat Feb 19**
			Test 2	
Week 7				
	Muscle Tissue-10	SmartBook		**Wed Feb 23**
		Smartibook-APR		**Sat Feb 26**
Week 8	**Muscles-11**	SmartBook, APR		**Wed March 2**
		SmartBook, APR		**Sat March 5**
Week 9			Test 3	**Sat March 19**
Week 10	**Course Unit 4**			
		SmartBook, APR		**Wed March 23**
	Nervous-12	SmartBook, APR		**Sat March 26**

Week 11	**Central Nervous- 12**	Smartbook, APR		**Wed March 30**
		Smartbook, APR		**Wed April 2**
Week 12	**Peripheral Nervous-13**	Smartbook, APR		**Wed April 6**
		Smartbook, APR		**Sat April 9**
	Course Unit 5			
Week 13	**Autonomic- 14**	Smartbook, APR	**Test 4**	**Sat April 16**
	NEW CHAPTER	**DUE SAT**		
Week 14	**Special Senses 15**	Smartbook, APR		**Wed April 20**
		Review for	Exam	**Sat April 23**
Week 15		Final Exam	**Final**	**27-Apr**
		Final Lab Exam	**Final**	**27-Apr**
	NOTE: Schedule	subject to	change.	Updates In Brightspace.

Connect- SmartBook, APR , Labs 200 points

Exams – 800 points

Late Work, Attendance, and Make Up Work Policies

Late work will not be accepted without special permission from instructor.
Follow the due dates on the Course Schedule.

Life will happen. Please contact instructor at the first sign of a crisis.

All work in **CONNECT** counts for points! (Exeption – a few review assignments which are labeled review)

Make up Work-

Everyone is busy and has life outside of class.

In order to be consistent, **make up work will not be allowed except in extreme circumstances.**

(death of immediate family member- does not include cousins, grandparents, etc)

You have 2 due dates each week. **Do not wait until the weekend to get your work done. Something will happen. Plan ahead and work ahead. If you do have to go out of town on an emergency, be prepared to work on your class while gone. You are preparing for a health field career.**

Student Behavioral Expectations or Conduct Policy:

Student are expected to be respectful, professional, on time and conduct themselves as they would in their future health care program and career. Cursing, name calling, outbursts of any kind will not be tolerated. Students are expected to put forth the required effort to be successful in this class.

This class requires your BEST EFFORT throughout the semester

It is fast. It is demanding. Plan accordingly.

Let your friends and family know you are taking this class.

You cannot just "fit it in" your current schedule.

Click Here for the MCC Attendance/Absences Policy

(https://www.mclennan.edu/highlander-guide/policies.html)

The link above will provide you with information about academic integrity, dishonesty, and cheating. Cheating is not tolerated. You are preparing for your health career. You only shortchange yourself and you may be kicked out of class. Do your own work.

McLennan COMMUNITY COLLEGE

ACADEMIC RESOURCES/POLICIES

Accommodations/ADA Statement:
Any student who is a qualified individual with a disability may request reasonable accommodations to assist with providing equal access to educational opportunities. Students should contact the Accommodations Coordinator as soon as possible to provide documentation and make necessary arrangements. Once that process is completed, appropriate verification will be provided to the student and instructor. Please note that instructors are not required to provide classroom accommodations to students until appropriate verification has been provided by the Accommodations Coordinator. For additional information, please visit www.mclennan.edu/disability.

Students with questions or who require assistance with disabilities involving physical, classroom, or testing accommodations should contact:

disabilities@mclennan.edu
254-299-8122
Room 319, Student Services Center

Title IX:
We care about your safety, and value an environment where students and instructors can successfully teach and learn together. If you or someone you know experiences unwelcomed behavior, we are here to help. Individuals who would like to report an incident of sexual misconduct are encouraged to immediately contact the Title IX Coordinator at titleix@mclennan.edu or by calling Dr. Drew Canham (Chief of Staff for Diversity, Equity & Inclusion/Title IX) at (254) 299-8645. Individuals also may contact the MCC Police Department at 299-8911 or the MCC Student Counseling Center at MCC at (254) 299-8210. The MCC Student Counseling Center is a confidential resource for students. Any student or employee may report sexual harassment anonymously by visiting http://www.lighthouse-services.com/mclennan/.

Go to McLennan's Title IX webpage at www.mclennan.edu/titleix/. It contains more information about definitions, reporting, confidentiality, resources, and what to do if you or someone you know is a victim of sexual misconduct, gender-based violence or the crimes of rape, acquaintance rape, sexual assault, sexual harassment, stalking, dating violence, or domestic violence.

Student Support/Resources:
MCC provides a variety of services to support student success in the classroom and in your academic pursuits to include counseling, tutors, technology help desk, advising, financial aid, etc. A listing of these and the many other services available to our students is available at http://www.mclennan.edu/campus-resource-guide/

College personnel recognize that food, housing, and transportation are essential for student success. If you are having trouble securing these resources or want to explore strategies for balancing life and school, we encourage you to contact a Success Coach by calling (254) 299-8226 or emailing SuccessCoach@mclennan.edu. Students may visit the Completion Center Monday-Friday from 8 a.m.-5 p.m. to schedule a meeting with a Success Coach and receive additional resources and support to help reach academic and personal goals. Paulanne's Pantry (MCC's food pantry) provides free food by appointment to students, faculty and staff based on household size. Text (254) 870-7573 to schedule a pantry appointment. The Completion Center and pantry are located on the Second Floor of the Student Services Center (SSC).

MCC Foundation Emergency Grant Fund:
Unanticipated expenses, such as car repairs, medical bills, housing, or job loss can affect us all. Should an unexpected expense arise, the MCC Foundation has an emergency grant fund that may be able to assist you. Please go to https://www.mclennan.edu/foundation/scholarships-and-resources/emergencygrant.html to find out more about the emergency grant. The application can be found at https://www.mclennan.edu/foundation/docs/Emergency_Grant_Application.pdf.

MCC Academic Integrity Statement:
Go to www.mclennan.edu/academic-integrity for information about academic integrity, dishonesty, and cheating.

Minimum System Requirements to Utilize MCC's D2L|Brightspace:
Go to https://www.mclennan.edu/center-for-teaching-and-learning/Faculty-and-Staff-Commons/requirements.html for information on the minimum system requirements needed to reliably access your courses in MCC's D2L|Brightspace learning management system.

Minimum Technical Skills:
Students should have basic computer skills, knowledge of word processing software, and a basic understanding of how to use search engines and common web browsers.

Backup Plan for Technology:
In the event MCC's technology systems are down, you will be notified via your MCC student email address. Please note that all assignments and activities will be due on the date specified in the Instructor Plan, unless otherwise noted by the instructor.

Email Policy:
McLennan Community College would like to remind you of the policy (http://www.mclennan.edu/employees/policy-manual/docs/E-XXXI-B.pdf) regarding college email. All students, faculty, and staff are encouraged to use their McLennan email addresses when conducting college business.

A student's McLennan email address is the preferred email address that college employees should use for official college information or business. Students are expected to read and, if needed, respond in a timely manner to college emails.

Instructional Uses of Email:
Faculty members can determine classroom use of email or electronic communications. Faculty should expect and encourage students to check the college email on a regular basis. Faculty should inform students in the course syllabus if another communication method is to be used and of any special or unusual expectations for electronic communications.

If a faculty member prefers not to communicate by email with their students, it should be reflected in the course syllabus and information should be provided for the preferred form of communication.

Email on Mobile Devices:
The College recommends that you set up your mobile device to receive McLennan emails. If you need assistance with set-up, you may email Helpdesk@mclennan.edu for help.

Forwarding Emails:
You may forward emails that come to your McLennan address to alternate email addresses; however, the College will not be held responsible for emails forwarded to an alternate address that may be lost or placed in junk or spam filters.

Disclaimer:
The resources and policies listed above are merely for informational purposes and are subject to change without notice or obligation. The College reserves the right to change policies and other requirements in compliance with State and Federal laws. The provisions of this document do not constitute a contract.