Syllabus: Biology 20 – Human Anatomy

Course Information

Semester: Spring 2021
Section: 55074
Instructor: Darin Peterson
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Course Description

Biology 20 is a 4-unit biology course with 3 lecture hours and 3 lab hours per week. This is a course providing a basic understanding and working knowledge of the human body with emphasis on the structure of each major system. The interrelationship between human systems and the relationships between the structure and functions of each system will be studied at several levels: cellular, tissue, organ, system, and organismal.

Student Learning Outcomes

Upon completion of this course, students will be able to

- identify the major body systems macroscopically.
- identify the major body tissue and cell types microscopically.
- use a microscope to identify tissues and cells.
- describe the functions of the body systems.
- describe functions of the cells and tissues.

Course Objectives

In the process of completing this course, students will

- identify the basic structure and function of each human system at the macroscopic and microscopic levels.
- develop important critical thinking skills as they evaluate lecture topics and the results of laboratory demonstrations and experiments.
- learn how to use scientific methods.
- develop important manual dexterity skills associated with dissections, free-hand drawings, completion of anatomical color plates, and the operation of microscopes, computers, and other laboratory equipment.

Course Requirements and Policies

Prerequisites

Biology 1 or Biology 5 or Biology 11A

Required Course Materials

- Human Anatomy (eBook) Michael McKinley, 6ed. with Connect Access
- Ability to take exams on a desktop computer to see images clearly

Technology Requirements

- Ability to navigate Canvas; Must submit files (homework) through Canvas
- Ability to take exams on a desktop computer to see images clearly

Attendance and Late Work

Attendance will be based on submitting work. Weekly assignments, labs, quizzes, and discussions will determine your level of participation. If you miss graded work it will be considered as a lack of participation/attendance.

Late work is not accepted for points. It is still important to turn in all work as it reflects your attendance as well as your work ethic. A late assignment will be given 1 point which shows it was completed. A zero on any given graded assignment is regarded as lack of participation.

If a circumstance prevents you from submitting work, it is important that you contact me before the due date. An explanation will be required. Documentation may be required to verify your request when possible. Extended time for a particular assignment will be at my discretion.

Drop Policy

If any of the first week's assignments are not completed you will be dropped.

If an entire week goes by without submitting work during the first 3 weeks you will be dropped.

During the remainder of the course, if any 2 week period goes by without submitting work you will be dropped.

Communication Policy

Email: darin.peterson@reedleycollege.edu

The best way to reach me is through email. I will be checking it daily Monday - Friday. If you do NOT hear a response within 24 hours please resend the message. I usually respond on weekends but that will not be consistent.

Discussion Board: I will be checking the Q and A class discussion board several times each weekly and responding to questions. The discussion board is a place for you to chat with classmates and ask questions that relate to the class. Examples include clarification on how an assignment is done, how work is submitted, what works best for you, etc. Check there often as others in the class may have similar questions or questions you didn't even think to ask.

College Policies

- "Students at the Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share responsibility for seeing that their education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences." Reedley College Catalog pg. 45
- If you have a verified need for an academic accommodation or materials in alternate media (e.g. Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact the instructor as soon as possible.

Grading Policy

Final letter grade scale: A = 90% +, B = 89 - 80%, C = 79 - 70%, D = 69 - 60%, F = 59% or less.

TASK	Points	% of Grade	Breakdown	Notes
Lecture/Lab Exams	400		4 exams @ 100 points each	

Group Project	50		50 points / peer reviewed	
Final Exam	125		1 cumulative final	
Quizzes	175		6 Quizzes @ various points each	
Lab Reports	150		11 @ 10-15 points each	
Lab Drawings	75		7 @ 10-15 points each	
Discussions	55		5 @ ~10 points each	
Readings/Assignments	75		7 @ ~10 points each	
Totals	1105		Estimate	

***This is subject to change as the course is further developed throughout the semester**
- Grades will be posted on Canvas and will be updated regularly throughout the semester.

Course Exams and Major Assignments

Exams

Exams may only be made up due to extreme circumstances, at the discretion of the instructor, if arranged with the instructor before the scheduled exam period (at least 3 hrs prior). There will be 4 lecture exams and a comprehensive final exam (see the Tentative Schedule for exam dates). Each exam will include new material covered in the corresponding unit. Exams will consist of multiple-choice, matching, fill in the blank, and short-answer/essay questions. Forming study groups is highly recommended. **Final Exam** is cumulative.

Lab Drawings

Students will be required to submit lab drawings. Suggestions of drawings will be given on occasion allowing you to choose what drawing you will do. Some drawings have no options. These drawings are to be annotated (further information on annotating will be given in class and posted on Canvas).

Study Expectations

It is expected that students will spend at least 2 hours of study time outside of class for every one hour in class. Since this is a 4-unit class (6 hrs./week), you should expect to study an average of 12 hours outside of class each week. Some students may need more outside study time and some less. You are expected to take notes on all of the lectures. This being an asynchronous class allows you to pause, backup, listen again, etc. to the lectures posted on Canvas. Listening with pen and paper in hand taking notes greatly increases retention and gives you the ability to review lectures quickly by scanning/reading your notes.

Subject to Change Statement

This syllabus/grading/tentative schedule are subject to change with notification. This course is completely online and is asynchronous. Lectures and Labs are posted on Canvas in an organized, easy to follow format. This class does not fit a completely on-line format very well but we are doing

the best with the current world situation.

Important Dates
Jan. 22, 2021 - Last day to drop and receive full refund
Jan. 31, 2021 - Last day to avoid a "W"
Feb. 12, 2021 - Last day to declare "Pass" or "No Pass"
Mar. 12, 2021 - Last day to drop a full term class
May 18, 2021 - Final Exam due

Course Schedule

Week 1: Course Introduction and Introductory Terminology/Regions of the Human Body

Week 2: Cytology (Structure and Function of the Cell); Histology - study of tissues

Week 3: Histology (continued); Integumentary System; Review

Week 4: Review; Intro Skeletal System; Exam #1

Week 5: Skeletal System; Articulations

Week 6: Muscular System

Week 7: Review Musculo-Skeletal System; Exam #2

Week 8: Nervous System

Week 9: Special Senses

Week 10: Endocrine System; Exam #3

Week 11: Cardiovascular System part 1

Week 12: Cardiovascular System part 2; Respiratory System

Week 13: Lymphatic System; Exam #4

Week 14: Digestive System

Week 15: Urinary System

Week 16: Reproductive System

Week 17: Presentations

Week 18: Review; Final Exam