

Biology 20 – Human Anatomy Syllabus

Fall 2012

Section: 52710

Class Meeting: Tuesday and Friday; 1:30 – 2:45pm and 2:55 – 4:10pm

Instructor: Whitney Menefee

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Course Description

Biology 20 is a 4-unit course on human anatomy. This course provides the basic understanding and working knowledge of the human body with the emphasis on the structure and function of the body at several levels: cellular, tissue, organ, system, and organismal.

I. Course Objectives:

- Identify the structure and function of each system
- Develop important critical thinking skills as the student evaluates lecture topics and laboratory observations and experiments
- Learn how to use scientific method
- Develop important manual dexterity skills
- Satisfy a basic requirement for a variety of biological, medical, physical, educational, and health oriented programs

II. Prerequisite: Successful completion of Biology 1 or Biology 5 or Biology 11A or 11B.

III. Recommended: college chemistry or equivalent

IV. Required Materials:

- Martini, Timmons, & Tallitsch. Human Anatomy, 7th Edition: Pearson Benjamin Cummings
- Laboratory Manual for Human Anatomy by Michael G. Wood
*Note: This is a custom lab manual and can only be purchased at the Reedley College bookstore.

V. Evaluation of Student Progress

Lecture: 3 lecture exams @ 100 points each	300 points
Lab: 3 lab exams @ 100 points each	300 points
Lab: 15 lab reports @ 15 points each	225 points
Lecture/Lab Quizzes: 10 @ 20 points each	<u>200 points</u>
	1025 points

Grades will be assigned on a percentage basis:

100 – 90	89-80	79-70	69-60	less than 60
A	B	C	D	F

VI. Class Policy's

- Students are expected to attend all class sessions. Sign in sheets will be used and each student must sign in for himself **ONLY**.
- Excessive unexcused absences of 8 hours of lab and/or lecture (prior to the drop date), lack of participation, etc., may be causes for a student to be dropped from this course. Excessive tardies (10 min late) will **NOT** be tolerated (three tardies equals an absence). *If you miss 10 hours or more of this class after the ninth week, it will result in the lowering of your grade by one letter grade.*
- Make-up Policy: Lecture Exams may only be made up if arranged with the instructor *before the scheduled exam period (at least 3 hrs prior)*. Lab exams and quizzes **may not be made up**.
- NO cell phones, beepers, ect. are allowed to go off or be used during this class. If they ring or are used during a test or quiz, the student will receive a 0 for that exam or quiz. You cannot make up these assignments.
- Lab reports are due in each successive lab period **AT THE BEGINNING OF THE LAB PERIOD** (during the first 10 minutes of lab). All work is due on the assigned due date. **No late work is accepted.**
- **COLLEGE POLICY ON CHEATING AND PLAGIARISM**
“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. Please see Disciplinary Procedures in the Student Conduct Standards and Grievance Procedures Handbook available in the Vice-President of Student Services office.” Student Handbook pg. 46
- If you have a verified need for an academic accommodation or materials in alternate media (i.e. 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.
- Final Drop Date: October 12

VII. Tentative Lecture and Lab Outline (*I reserve the right to change this with notice)

Dates		Topic/Lab	Text Reading
Week 1:	8/14 (T)	Lecture: An Introduction to Anatomy	Ch.1
	8/17 (F)	Lab #1: Intro to the Human Body	
Week 2:	8/21 (T)	Quiz #1 Lecture: The Cell - Mitosis & Meiosis	Ch. 2 & 27
	8/24 (F)	Lab #2: Use of the Microscope Lab #3: Anatomy of the Cell & Cell Division	
Week 3:	8/28 (T)	Quiz #2 Lecture: Histology and Integument	Ch. 3 & 4
	8/31 (F)	Lab #4: Tissues Lab #5: The Integumentary System	
Week 4:	9/4 (T)	Quiz #3 Lecture: The Digestive System	Ch. 25
	9/7 (F)	Lab #26: The Digestive System	
Week 5:	9/11 (T)	Quiz #4 Lecture: The Urinary System	Ch. 26
	9/14 (F)	Lab #27: The Urinary System	
Week 6:	9/18 (T)	Lecture Exam 1	
	9/21 (F)	Lab Exam 1	
Week 7:	9/25 (T)	Lecture: The Skeletal System	Ch. 5, 6, 7
	9/28 (F)	Lab #6: Organization of the Skeletal System Lab #7: The Axial Skeleton Lab #8: The Appendicular Skeleton	
Week 8:	10/2 (T)	Quiz #5 Lecture: The Muscular System	Ch. 9, 10, 11
	10/5 (F)	Lab #10: Organization of the Skeletal Muscles Lab #11: Axial Muscles Lab #12: Appendicular Muscles	
Week 9:	10/9 (T)	Quiz #6 Lecture: Articulations	Ch. 8
	10/12 (F)	Lab #9: Articulations	
Week 10:	10/16 (T)	Quiz #7 Lecture: The Endocrine System	Ch. 19
	10/19 (F)	Lab #20: The Endocrine System	
Week 11:	10/23 (T)	Quiz #8 Lecture: The Reproductive System	Ch. 27 & 28
	10/26 (F)	Lab #28: The Reproductive System Lab #29: Development	

Week 12:	10/30 (T)	Lecture Exam 2	
	11/2 (F)	Lab Exam 2	
Week 13:	11/6 (T)	Lecture: The Nervous System	Ch. 13 - 17
	11/9 (F)	Lab #13: Organization of the Nervous System Lab #14: The Spinal Cord and Spinal Nerves Lab #15: Anatomy of the Brain	
Week 14:	11/13 (T)	Quiz #9 Lecture: The Cardiovascular System	Ch. 20, 21, 22
	11/16 (F)	Lab #21: Blood Lab #22: The Heart Lab #23: The Systemic Circuit	
Week 15:	11/20 (T)	Quiz #10 Lecture: Special Senses	Ch. 18
		Lab #17: Special Senses: Olfaction and Gustation Lab #18: Anatomy of the Eye Lab #19: Anatomy of the Ear	
	11/23 (F)	No Class - Thanksgiving Holiday	
Week 16:	11/27 (T)	Quiz #11 Lecture: The Respiratory System & Lymphatic	Ch. 24 & 23
	11/30 (F)	Lab #25: The Respiratory System Lab #24: Lymphatic System	
Week 17:	12/4 (T)	Final Exam Review	
	12/7 (F)	Lab Exam 3	
Week 18:	12/13 (Th)	Final Exam (Cumulative) 1:00 - 2:50 pm	