**Biology 20 Syllabus**

**Fall Semester 2016**

Lecture Tuesday 6:00-8:50 PM

Lab Thursday 6:00-8:50 in LSF17

Instructor: Anthony Lange

Email: Anthony.lange@scccd.edu

Office Hours: NA

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.

1. Prerequisite: Successful completion of Biology 1 or Biology 5 or Biology 11A or 11B.
2. Recommended: college chemistry course or equivalent and following the recommended course sequence.
3. Required materials:
	1. Martini, Timmons, & Tallitsch, Human Anatomy, 8th Edition, Pearson Benjamin Cummings.
	2. Exploring Anatomy in the Laboratory, 2nd Edition, by Amerman

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1. The course objectives are:
	1. Identify the structure and function of each system
	2. Develop important critical thinking skills as they evaluate lecture topics and laboratory observations and experiments
	3. Learn how to use scientific method
	4. Develop important manual dexterity skills
	5. Satisfy a basic requirement for a variety of biological, medical, physical education, and health oriented programs
2. Evaluation of Student Progress

Lecture – 3 lecture exams at 100 points each 300

Lecture Lab Quizzes 10 at 20 points each 200

Lab Exams – 3 at 100 points each 300

Lab Reports – 15 at 15 points each 225

 Estimated Total Points for the semester 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**

1. Attendance Policy
	1. Students are expected to attend all class sessions. Sign in sheets will be used and each student must sign in for himself ONLY.
	2. 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 will NOT be tolerated (three tardies equals an absence). It is imperative to be on time to the laboratory as the introduction is done during the first 30-60 minutes. All special announcements are made in the first 10-15 minutes. If you miss 8 hours or more of this class after the ninth week, it may result in the lowering of your grade by one letter grade. Please inform me if you are late at each occurrence.
	3. **NO cell phones or beepers, etc. 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. No cell phones, etc may be on your person during a quiz or exam! You are responsible for downloading the lecture outlines prior to the class. These are to be used for lecture.**
	4. 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 me as soon as possible.
	5. Lab reports are due in each successive lab period at the beginning of the lab period. All work is due on the assigned date. **Nothing will be accepted late.**

 f. Drop Deadline is: 8/26 for full refund; 9/2 without a W; 10/14 with a W

1. Tentative Lecture and Lab Outline – I reserve the right to change this with notice.

Lecture Lab Text Reading

Week 1: History, Anatomical Terminology, Quadrants & Regions Ch 1

 Lab Report #1

Week 2: The Cell – Mitosis and Meiosis Ch 2

 Lab Report #2 &3

Week 3: Histology and the Integument Ch 3 & 4

 Lab Report #4& #5

Week 4: Digestive System Ch 25

 Lab Report #20

Week 5: Urinary System Ch 26

 Lab Report #21

Week 6: Lecture and Lab Exams

Week 7:Skeletal System Ch 5,6,7

 Lab Report # 7,8

Week 8: Muscular System Ch 9,10,11

 Lab Report # 9

Week 9: Articulations Ch 8

 Lab Report # 8

Week 10: Endocrine System Ch 19

 Lab Report #14

Week 11: Reproductive System Ch 27 & 28

 Lab Report #22

Week 12: Lecture and Lab Exams - 2

Week 13: Nervous System Ch 13-17

 Lab Report # 10, 11, 12

Week 14: Cardiovascular System Ch 20-22

 Lab Reports # 15, 16, 17

Week 15: Special Senses Ch 18

 Lab Report # 13

Week 16: Respiratory System & Lymphatic Ch 24 & 23

 Lab Reports #19 & 18

Week 17: Lab Exam 3 in lab period 12/08/16

Week 18: Final Lecture Exam 12/13/16

Plagiarism, Cheating, or any other form of academic dishonesty will not be tolerated and may result in the loss of points to expulsion. See the college catalog for details.

 http://www.reedleycollege.edu/index.aspx?page=1443

Students are expected to conduct themselves in a respectful manner during class and to not cause disruptions. See the Student Conduct Standards for details.

http://www.reedleycollege.edu/index.aspx?page=233