

**Reedley College  
Fall 2017**

**Biology 20 - Human Anatomy (#56648, T TH lec and lab 9-11:50am, LFS17)**

Instructor: Dr. Koch-Krueger

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**I. Course description:**

3 lecture hours and 3 laboratory hours per week

The course will cover the anatomical aspects of the human body. Upon completion of the course you will be able to identify major anatomical structures and explain their role in human body organ systems

**II. Required Materials:**

Text/Lab books: Human Anatomy, 8<sup>th</sup> ed by Martini, Timmons, and Tallitsch, ISBN 978-0-321-883322, Exploring Anatomy in the Laboratory by Erin C. Amerman, ISBN 978-1-61731-4896, Optional study aids: Anatomy Coloring Book or Flash Cards

4 Scantrons 882 E for exams, lined paper for quizzes

**III. Student learning outcomes**

Upon completion of this class, the student is expected to be familiar with

- the language and terminology of Anatomy
- the level of organization of biological systems
- cell structure and function
- identifying human organ systems, their key components and functions

**IV. Grading:**

A total of 1000 points will be available for this class;

500 from lecture exams and 500 from laboratory exams and quizzes

3 lecture exams (100 pts each)	total of 300
1 final comprehensive lecture exam	total of 200
3 laboratory exams (150 points each)	total of 450
3-4 quizzes (10-20 points each)	total of 50

Grading for this class will be on the following curve:

100-90%=A, 89-80%=B, 79-70%=C, 69-60%=D, 59% and below=F  
(thus 900-1000 points = A, 890-800 points =B, 790-700 points = C, ...)

You are responsible for keeping track of your grades. Start your own tally sheet at the beginning of the semester.

Lecture Exams will be combinations of multiple choice, true/false, matching, and fill in the blanks. Exams will be based on lecture material and assigned reading. Exams will be returned for review only.

Lab Exams will include identification of structures on models and require detailed studying of the material during lab sessions (models, slides, diagrams). A digital camera may be helpful for home study.

**Lab Practicals will be set up only once; therefore there is no possibility of making up a lab exam!**

Make up exams will not be offered! You will get one special circumstance for the semester only, and show documented proof of your absence. You must also inform your instructor within 24 hours of missing an exam.

Quizzes will be given unannounced at any time during lecture or lab. Quizzes can never be made up, thus be on time and don't leave early!

#### **V. Other information**

##### Academic Dishonesty

Cheating, copying and plagiarism are unacceptable and will result in disciplinary actions. Remember, academic dishonesty can get you expelled from school and will go on your record.

Last Day add/drop is 8/25/17, final drop date with "W" is 10/13/17.

With this statement on my course syllabus, I am referring each of my enrolled students in need of academic support to tutorial services. Referral reason: Mastering the contents, study skills, and basic skills of this course aided by the use of trained peer tutors.

The following class and laboratory schedule is tentative only, and the instructor reserves the right for changes. Changes will be announced in class.

Should you miss a class or laboratory session, it is your responsibility to obtain the missed material from a classmate not the instructor.

**No food or drink allowed in class.**

**Cell phones and other electronic devices must be turned off and removed from your desk!**

Exam Tally Sheet: ( total possible points=1000)

Lecture Exam 1	Lab Exam 1	Quiz 1	Final
Lecture Exam 2	Lab Exam 2	Quiz 2	
Lecture Exam 3	Lab Exam 3	Quiz 3	
		Quiz 4	

Tentative Lecture and Exam Schedule, changes will be made as needed

<u>Date</u>	<u>Week</u>	<u>Topic</u>	<u>Chapter</u>
Aug 15	1	Introduction, Syllabus, Adds/Drops	
Aug 17		Language of Anatomy	1
Aug 22	2	Organ Systems Overview	
Aug 24		The Cell	2
		The Microscope (Lab only)	
Aug 29	3	Tissues	3
Aug 31		The Integument	4
Sep 5		Osseous Tissue, Skeletal structure	5
Sep 7	5	Axial Skeleton	6
Sep 12		Appendicular Skeleton	7
Sep 14	6	<b>Exam 1</b>	
Sep 19		Review	
Sep 21	7	<b>Lab Practical 1</b>	
Sep 26		Articulations	8
Sep 28	8	Skeletal Muscle Tissue	9
Oct 3		Axial and Appendicular Musculature	10,11
Oct 5	9	Neural Tissue	13
Oct 10	10	Spinal Cord and Nerves, ANS	14, 17
Oct 12		Brain & Cranial Nerves	16
Oct 17		<b>Exam 2</b>	
Oct 19	11	General Senses	18
Oct 24		Special Senses	18
Oct 26	12	Blood	20
Oct 31		<b>Lab Practical 2</b>	
Nov 2	13	Heart	21
Nov 7		Blood Vessels	22
Nov 9	14	Endocrine System, Review	19
Nov 14		<b>Exam 3</b>	
Nov 16	15	Respiratory System	24
Nov 21		Digestive System	25
Nov 23	16	<b>Thanksgiving holiday, no class</b>	
Nov 28	17	Urinary System	26
Nov 30		Reproductive System	27
Dec 5	18	<b>Lab Practical 3</b>	
Dec 7		Round-up and Review	
Dec 12		<b>Final Exam</b>	

**Laboratory assignments will be given at the beginning of the laboratory sessions, thus it is important to be on time.**

**Lab exams will be based on the material covered during the lab sessions, including classroom models and activities listed on the next page.**

## Lab Activities and Review Exercises

<u>Chapter</u>	<u>Pages</u>
1-Anatomical terms	2-10, 16, 19-29
2-Microscope	32-37
3-Cytology	40-44, 46-47, 52-58
4-Histology	65-70, 72-78
5-Integumentary System	96-101, 111-112
6-Intro to Skeletal System	116-121, 124-125, 127, 131-132
7-Skeletal System	136-149, 152-164, 167-168, 173-182
8-Articulations	186-189, 194, 196, 200, 203
9-Muscle Tissue and Muscles	211-214, 220-221, 230-231, 240-243
10-Intro to Nervous System	248-156, 258-262
11-Brain and Cranial Nerves	266-274, 279-280, 285-287
12-Spinal Cord and Spinal Nerves	293-294, 297-299, 305,
13 General and Special Senses	314-322, 325-328, 337-338
15-Heart	368-377, 382-388
16-Blood Vessels	397-402, 404-407, 410, 411, 419, 420
17-Blood	426-429, 433-434, 439-440
19-Respiratory	466-475, 485-487
27-Digestive	492-504, 507-511, 515, 517-520
28-Urinary	524-536, 545-546
29-Reproductive	550-557, 563-566

(Order of Chapters will follow Lecture Schedule)