

# **Utah State University Eastern**

## **HUMAN ANATOMY (BIO 2320)**

**Spring 2020 - 4 Credit-Hour Course**

**Lecture: MWF 9:30am-10:20am (RVS Room #186)**

**Lab: Tues: 9:00-10:50, 1:30-3:20pm, or 5:15-7:05pm (RVS Room #234)**

**Instructor:** Jess Brinkerhoff MS, LAT, ATC

**Email:** [jess.brinkerhoff@usu.edu](mailto:jess.brinkerhoff@usu.edu)

**Office:** BDAC 202A

**Phone:** 435-491-0085

**Office Hours:** In office/AT room most days 10:30AM- 4:00PM. Best to email, call, or text to set up a time.

**Required Text:** Michael McKinley's and Valerie Dean O'Laughlin's "Human Anatomy" – 5<sup>th</sup> Edition

**Meeting times:**

**Lecture** – MWF - 9:30 AM - 10:20 AM.

**Laboratory** – Tuesday - 9:00AM-10:50 AM, 1:30PM-3:20 PM, 5:15-7:05 PM

Groups (A or B) will be assigned to take quizzes at specific times during your scheduled lab time during scheduled quiz days.

**Course Description:**

This course is to give you a comprehensive **INTRODUCTION** to key concepts in gross anatomy. We will not discuss physiology or micro anatomy. Lectures will be by PowerPoint, class notes, and open discussion. Questions and dialogue are encouraged.

This is a **heavy memorization** oriented class. It will require you to learn meanings of words, how to apply the knowledge to actual scenarios and medical conditions.

The laboratory section will consist of more in depth and hands on discussion, dissections and activities involving integumentary system, skeletal structure, articulations, musculature system, nervous system, cardiovascular system, and internal organs.

This is a “hands on” learning experience. We expect to have real organs and other ways to learn. VR will be a new form of learning and opportunity to study with for this class as well.

**Chapter Summaries:** For each lecture in this course the student is provided with an outline of the subjects to be discussed that day. These outlines are designed to guide your participation during the lectures and also to guide you in your reading of the textbook.

These outlines also frequently reference “Clinical Views” in the text on which you may be tested. You are encouraged to read supplemental information in your textbook.

## **Unacceptable Classroom Behavior:**

Since a significant goal of this class is to prepare each of you for your upcoming exams, behavior that disrupts the classroom environment will be strongly discouraged.

Once class has started, **cell phones should be silenced** and no ring tones, conversations, or text messaging are permitted. Once class has started, **talking among students is strongly discouraged**. If you need to talk, please leave the class and conduct your conversation outside. If students persist in talking among themselves during class, they will be asked to leave the room so that other students can benefit from the limited amount of class time available.

Use of laptop computers in class is acceptable, provided it is utilized for notes or materials used in this class. **It is not acceptable to use your computer in class to for recreational purposes or for doing work for a different class.** When you come to this class it is expected that you will focus your attention on this class and not engage in computer activities that detract from the classroom experience or that will distract your classmates. If the problem persists, you will be requested to cease your computer activities.

## **Grades and Course Work:**

The coursework for this class will consist of different categories that will make up a percentage of your overall grade. The sections will be participation, chapter quizzes, chapter discussions, lab quizzes, and tests.

The lecture notes, class discussions, handouts, laboratories, and the textbook will be used to formulate exam questions.

The format of the exams usually includes multiple choice, true and false, fill in the blank, matching, 2-part story questions, and essay questions (occasionally).

**Participation:** Participation will make up five percent of your overall grade. This will include coming to class regularly throughout the semester for lecture and lab. Participating in lecture and lab will be expected. During lab it is expected to complete any work that is handed out or expected to do for the time that is permitted for those activities.

**Chapter Quizzes:** The quizzes are for the specific section/chapter of the titled quiz and will make up 10 percent of your overall grade. The material will be from the book, clinical reviews in the book, and some (fictional) medical experiences.

You will only have 10 minutes to take the quiz. Generally, it is better to read the question **THOROUGHLY** and answer it and move on. If there is time when you finish you can then return to a question.

You will be allowed to see which answers were right or wrong to the questions very briefly after the quiz. After you can take the quiz as many times as you want. This is a tool you can use to test your knowledge of this section, while trying to improve your grade. The highest score will be used as your grade for this quiz. I encourage you to take this as many times as you need to feel comfortable with the questions.

**Chapter Discussions:** Chapter discussions will make up 10 percent of your overall grade. The purpose of this assignment is to spend time learning something in this chapter that you are struggling to understand. One of the best ways to do this is to teach others how you came to understand something that was difficult for you to initially learn.

To receive full points, make sure that you clearly teach about the subject matter in detail, and also comment on 3 other student's post. When commenting, you can ask for clarification, say how you didn't understand their topic but how you now understand, or summarize what was taught from their post.

I encourage you to find posts on topics that you are also struggling with so you can learn from unique ways that someone is posting about and teaching.

Choose one of the following methods to complete the assignment:

1. You can make a short video between 1-2 minutes teaching the subject matter of your choice. Also, include why you didn't comprehend the subject matter, how you came to understand it, and little tricks or tips to help others do the same. Attach a link to a YouTube video that you made, or upload the video to the post so that everyone is able to watch it.
2. Write a detailed post about the subject matter. Also include why you didn't comprehend the subject matter, how you came to understand, and little tricks or tips to help others do the same. (Should be 3-6 paragraphs)
3. Prepare a power point of 5-10 slides and include a 3-5 question quiz to test a person's understanding of your subject. In the slides also include why you didn't comprehend the subject matter, how you came to understand, and little tricks or tips to help others do the same. Quiz must include at least one of each of the following: a multiple choice, a true or false, and a short answer question.

**Lab Quizzes:** The lab quiz section will make up 30 percent of your overall grade. There will be four lab quizzes presented in the laboratory that will be based on information you will have covered in lab.

### **Lecture Tests**

Students will have the score on their lowest hourly exam dropped, including the final. (If you miss a lecture exam, it is the one that will be dropped). Those students who score less than 70% on the first two exams **should contact the instructor immediately and seriously seek intensive tutoring or consider dropping the class.**

If there are extenuating circumstances that prevent you from taking an exam during the assigned time, you must communicate this with the instructor prior to the exam to get approval and to make the necessary arrangements to take the exam at another time. If you fail to do this, you will receive 0 pts. as your score.

You will NOT be allowed to make copies of the exams or to remove the exams from the testing center. You will be able to see your exam results briefly after the exam is taken on which answers were right or wrong. If you would like to review your exam, arrangements will be made to do this with the instructor or the tutors assigned to this class. You may have the opportunity to look over your exams during lab time.

**DO NOT COPY OR REMOVE ANY EXAMINATION MATERIALS FROM THE CLASSROOM OR LABORATORY ON EXAM/QUIZ DAYS!** If you fail to follow these rules, I will make every effort to subject the offender to the disciplinary procedures designated by the University.

**Grading: \*\*\* There will not be any extra credit or additional assignments offered to students to get additional points for this class. \*\*\***

The letter grade you receive is based on the percentage of total points earned in each category.

Course Category	Percent of Grade
Participation	5%
Chapter Discussions	10%
Chapter Quizzes	10%
Lab Quizzes	30%
Lecture Tests	45%

Actual Points Earned	Percentage of Total Points Earned	Grade
648-700	93-100%	A
627-647	90-92%	A-
606-626	87-89%	B+
578-605	83-86%	B
557-577	80-82%	B-
536-556	77-79%	C+
508-535	73-76%	C
487-507	70-72%	C-
417-486	60-69%	D
416 or less	59% or less	F

**INSTRUCTOR'S RESPONSIBILITIES:** I will assist you in acquiring knowledge of human anatomy by presenting information in interesting and comprehensible ways, and by encouraging your active participation in the learning experience. I will attend all lectures and labs, read the assigned readings, and prepare exams that are fair and representative of the material covered in class. Students may contact me with questions through Canvas and in person by appointment.

**STUDENT'S RESPONSIBILITIES:** Students are expected to attend all lectures and labs, take notes, read the assigned materials, and participate in class discussions and activities. Please do not text on your cell phone during lecture or lab unless there is an emergency. This course will involve a great deal of memorization; in order to succeed, you must devote a good deal of time outside of class to the study of this material. If you are having difficulty, it is your responsibility to seek help. In the event that you cannot take an exam at the scheduled time, you must let me know at least 48 hours prior to the test. If you do miss a test, I will require documentation of circumstances beyond your control before a make-up test will be given. The content covered by a make-up test will be the same as the original test, but the format and scheduling of the make-up test are at the discretion of the instructor.

**COURSE FEES** - The course fee for BIOL 2320 is \$30. This fee is used to cover laboratory expenses and materials, such as gloves, masks, aprons, dissection specimens, etc.

**UNIVERSITY POLICIES ACADEMIC INTEGRITY – “THE HONOR SYSTEM”** Each student has the right and duty to pursue his or her academic experience free of dishonesty. The Honor System is designed to establish the higher level of conduct expected and required of all Utah State University students.

**The Honor Pledge:** To enhance the learning environment at Utah State University and to develop student academic integrity, each student agrees to the following Honor Pledge: "I pledge, on my honor, to conduct myself with the foremost level of academic integrity." A student who lives by the Honor Pledge is a student who does more than not cheat, falsify, or plagiarize. A student who lives by the Honor Pledge:

- Espouses academic integrity as an underlying and essential principle of the Utah State University community;
- Understands that each act of academic dishonesty devalues every degree that is awarded by this institution; and
- Is a welcomed and valued member of Utah State University.

For the benefit of the students who may not be aware of specific standards of the University with regards to academic honesty, the following paragraph discussing infractions of academic integrity is quoted from the Student Policy Handbook (<http://www.usu.edu/policies/pdf/AcadIntegrity.pdf>)

Infractions Acts of academic dishonesty include, but are not limited to:

1. Cheating.

(1) Using or attempting to use or providing others with any unauthorized assistance in taking quizzes, tests, examinations, or in any other academic exercise or activity, including working in a group when the instructor has designated that the quiz, test, examination, or any other academic exercise or activity be done “individually”;

(2) depending on the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments;

(3) substituting for another student, or permitting another student to substitute for oneself, in taking an examination or preparing academic work;

(4) acquiring tests or other academic material belonging to a faculty member, staff member, or another student without express permission;

(5) continuing to write after time has been called on a quiz, test, examination, or any other academic exercise or activity;

(6) submitting substantially the same work for credit in more than one class, except with prior approval of the instructor; or

(7) engaging in any form of research fraud.

2. Falsification. Altering or fabricating any information or citation in an academic exercise or activity.

3. Plagiarism. Representing, by paraphrase or direct quotation, the published or unpublished work of another person as one’s own in any academic exercise or activity without full and clear acknowledgment. It also includes using materials prepared by another person or by an agency engaged in the sale of term papers or other academic materials.

Penalties A. An instructor has full autonomy to evaluate a student’s academic performance in a course. If a student violates the Honor System, the instructor may sanction the student as part of the course evaluation. Such sanctions may include:

(1) verbally warning the student;

(2) giving the student a written reprimand;

(3) requiring the student to rewrite a paper/assignment or to retake a test/examination;

(4) adjusting the student’s grade—for either an assignment/test or the course; or

(5) giving the student a failing grade for the course. A sanction by the instructor is not a disciplinary penalty. If the instructor believes that, in addition to any sanction, the student should be disciplined and a penalty imposed, the instructor shall refer the student for disciplinary proceedings.



## **PLAGIARISM**

Plagiarism includes knowingly "representing, by paraphrase or direct quotation, the published or unpublished work of another person as one's own in any academic exercise or activity without full and clear acknowledgment. It also includes the unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials." The penalties for plagiarism are severe. They include warning or reprimand, grade adjustment, probation, suspension, expulsion, withholding of transcripts, denial or revocation of degrees, and referral to psychological counseling. More can be found at <http://www.usu.edu/policies/pdf/Acad-Integrity.pdf>

## **GRIEVANCE PROCESS (STUDENT CODE)**

Students who feel they have been unfairly treated [in matters other than (i) discipline or (ii) admission, residency, employment, traffic, and parking - which are addressed by procedures separate and independent from the Student Code] may file a grievance through the channels and procedures described in the Student Code:

[http://studentlife.tsc.usu.edu/stuserv/pdf/student\\_code.pdf](http://studentlife.tsc.usu.edu/stuserv/pdf/student_code.pdf) (Article VII. Grievances, pages 25-30).

## **SEXUAL HARASSMENT**

Sexual harassment is defined by the Affirmative Action/Equal Employment Opportunity Commission as any "unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature." If you feel you are a victim of sexual harassment, you may talk to or file a complaint with the Affirmative Action/Equal Employment Opportunity Office located in Old Main, Room 161, or call the AA/EEO Office at 797-1266.

## **STUDENTS WITH DISABILITIES**

The Americans with Disabilities Act states: "Reasonable accommodation will be provided for all persons with disabilities in order to ensure equal participation within the program." If a student has a disability that will likely require some accommodation by the instructor, the student must contact the instructor and document the disability through the Disability Resource Center (797-2444), preferably during the first week of the course. Any request for special consideration relating to attendance, pedagogy, taking of examinations, etc., must be discussed with and approved by the instructor. In cooperation with the Disability Resource Center, course materials can be provided in alternative format, large print, audio, diskette, or Braille. For more information go to <http://www.usu.edu/drc/>

## **WITHDRAWAL POLICY AND “I” GRADE POLICY**

Students are required to complete all courses for which they are registered by the end of the semester. In some cases, a student may be unable to complete all of the coursework because of extenuating circumstances, but not due to poor performance or to retain financial aid. The term 'extenuating' circumstances includes: (1) incapacitating illness which prevents a student from attending classes for a minimum period of two weeks, (2) a death in the immediate family, (3) financial responsibilities requiring a student to alter a work schedule to secure employment, (4) change in work schedule as required by an employer, or (5) other emergencies deemed appropriate by the instructor. If an incomplete grade is to be given, an official incomplete grade form must be completed by both student and instructor. More information can be found at <http://www.usu.edu/policies/pdf/Incomplete-Grade.pdf>

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Week	Monday	Tuesday (Lab)	Wednesday	Friday
Week 1	January 6 <sup>th</sup> Syllabus/Schedule Intro to Anatomy	January 7 <sup>th</sup> Cadaver Rules Directional/Regions Intro to use VR	January 8 <sup>th</sup> Intro to Anatomy Integumentary	January 10 <sup>th</sup> Integumentary
Week 2	January 13 <sup>th</sup> Integumentary Bone	January 14 <sup>th</sup> Integumentary Getting familiar VR	January 15 <sup>th</sup> Bone	January 17 <sup>th</sup> Bone Axial
Week 3	January 20 <sup>th</sup> Martin King Jr. Day	January 21 <sup>st</sup> Axial	January 22 <sup>nd</sup> Axial	January 24 <sup>th</sup> Appendicular
Week 4	January 27 <sup>th</sup> Appendicular	January 28 <sup>th</sup> Appendicular	January 29 <sup>th</sup> Articulations	January 31 <sup>st</sup> Articulations
Week 5	February 3 <sup>rd</sup> Articulations	February 4 <sup>th</sup> Articulations	February 5 <sup>th</sup> Muscles	February 7 <sup>th</sup> Muscles
Week 6	February 10 <sup>th</sup> Muscles	February 11 <sup>th</sup> Lab Quiz #1	February 12 <sup>th</sup> Muscles	February 14 <sup>th</sup> Muscles
Week 7	February 17 <sup>th</sup> Presidents Day	February 18 <sup>th</sup> ‘ Muscle 1	February 19 <sup>th</sup> Muscles	February 20 <sup>th</sup> Muscles
Week 8	February 24 <sup>th</sup> Muscles	February 25 <sup>th</sup> Muscle 2	February 26 <sup>th</sup> Nervous	February 27 <sup>th</sup> Nervous
Week 9	March 2 <sup>nd</sup> Spring Break	March 3 <sup>rd</sup> Spring Break	March 4 <sup>th</sup> Spring Break	March 6 <sup>th</sup> Spring Break
Week 10	March 9 <sup>th</sup> Nervous	March 10 <sup>th</sup> Lab Quiz #2	March 11 <sup>th</sup> Nervous	March 13 <sup>th</sup> Nervous
Week 11	March 16 <sup>th</sup> Nervous	March 17 <sup>th</sup> Nervous System/Brain	March 18 <sup>th</sup> Brain Spinal Nerves	March 20 <sup>th</sup> Brain Spinal Nerves
Week 12	March 23 <sup>rd</sup> Heart	March 24 <sup>th</sup> Heart/ Vessels	March 25 <sup>th</sup> Heart/ Vessels	March 27 <sup>th</sup> Heart/ Vessels Respiratory
Week 13	March 30 <sup>th</sup> Vessels Respiratory	March 31 <sup>st</sup> Lab Quiz #3	April 1 <sup>st</sup> Respiratory	April 3 <sup>rd</sup> Respiratory Digestive
Week 14	April 6 <sup>th</sup> Digestive	April 7 <sup>th</sup> Respiratory/Digestive	April 8 <sup>th</sup> Urinary	April 10 <sup>th</sup> Urinary Reproductive
Week 15	April 13 <sup>th</sup> Urinary Reproductive	April 14 <sup>th</sup> Urinary/Reproductive	April 15 <sup>th</sup> Reproductive	April 17 <sup>th</sup>
Week 16	April 20 <sup>th</sup>	April 21 <sup>st</sup> Lab Quiz #4	April 22 <sup>nd</sup> Classes Over	April 24 <sup>th</sup> Classes Over
Week 17	April 27 <sup>th</sup> Finals	April 28 <sup>th</sup> Finals	April 29 <sup>th</sup> Finals	May 1 <sup>st</sup>

TENTATIVE Schedule (is subject to change). This is a rough outline of chapters to be covered. May add or take away chapters depending on time and how we cover materials during class.