BISC 310 – Human Anatomy (4 credit hours), Spring 2020
Turner 205 (Lecture 8:00 – 8:50 am, MWF)
Shoemaker 213 (all laboratory sessions)

Instructor:

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Email: cbritson@olemiss.edu Email is the best way to contact me, and all emails will be returned within 24 hours during normal work days (e.g., approximately 8am-5pm M–F).

Lecture Text (required): Marieb, E.N., Brady, P.M., and Mallatt, J. 2019. Human Anatomy 9E ALC text with Mod Mastering code and 3D4 Medical Access. Pearson Education, Inc. ISBN: 9780136656814.

Laboratory Atlas (required: Dean, D. and T.E. Herbener. 2007. Cross-sectional human anatomy. Lippincott, Williams, and Wilkins, Inc. ISBN: 978-0-683-30385-6.

BlackBoard: All students at the University of Mississippi have a WebID (and associated password) that is used to access online resources (e.g., registering for classes, etc.) and the university's course management system. You are already enrolled as a BlackBoard user for this course. I will be posting announcements, web links, and other information on BlackBoard. Please note that many of the files contain copyrighted information from the publishers and they are only for your use as a student in this course.

Course Description:
Study and examination of the gross anatomy of the human body. (3 Lecture, 2 Lab hours) Prerequisite requirements for this course include successful completion of BISC 160, 161, 162, and 163 with a C or better.

Course Objectives:
The objectives of this course are to demonstrate an understanding of (1) the principles of anatomical design and 3-dimensional associations between structures, (2) the relationship of evolutionary history to adult structure-function relationships, (3) the effect of embryological development on adult human anatomy, and (4) the integration of anatomical design across levels of biological organization. Specific objectives for each unit of the course are listed in BlackBoard.

To meet these objectives you will need to (1) learn foundational information including identification skills and the language of anatomy; (2) use a dual, systemic and regional approach to examine anatomical structure; (3) translate anatomical structures across 2-dimensional and 3-dimensional imagery and specimens; and (4) use your foundational skills to solve hypothetical research or clinical problems.

The laboratory portion of this course provides students the opportunity to examination a variety of modern anatomy specimens including dissectible synthetic cadavers, plastinated cadaver sections, and 3D anatomy software using radiographic imagery. Students are expected to treat these specimens with care and professionalism at all times.

Course Policies:

Attendance*:* You are expected to attend all lectures and will be held responsible for all announcements made during lectures. Attendance will be taken at all laboratory sessions. Students are not to attend other lab sections without prior approval. ***Students who are absent on the first day of class will be dropped from the class by the Dean of the College of Liberal Arts***.

Inclement Weather: In the event that the University cancels classes due to inclement weather, we will adjust the schedule accordingly. For lecture we will shift our topic or event (e.g., exam) to the next class period. For laboratory, students will schedule open lab periods.

Campus Emergencies: http://emergency.olemiss.edu provides information about campus-related emergencies due to weather or other circumstances. Know what you will do in the event of an emergency. Read RebAlert texts and emails, and respond accordingly. RebAlerts allow the university to communicate essential information to the campus community when a disaster occurs.

Grading: You will be evaluated on your performance in both the lecture and laboratory portions of this course. Your final grade will be determined by the scale shown below. All students will be treated equally and fairly, and all grades will be calculated in the same way, regardless of extenuating circumstances or any other reason(s) not related to your actual performance in the course. ***Biology majors and minors need to earn a grade of C or better in this course to fulfill degree requirements.*** The grade of C- will not be used in the course. For additional information on the plus/minus grading system, please visit http://www.olemiss.edu/info/grading.html.

Grade	Percent Score
A	93-100
A-	90-92.99
B+	87-89.99
B	83-86.99
B-	80-82.99
C+	75-79.99
C	70-74.99
D	60-69.99%
F	0-59.99%

The weighted distribution of graded material is shown below:

Item	% of grade
Lecture Exams (4) and HAPS Anatomy exam	56
Online Homework Assignments, Learning Catalytics	10
Weekly Lab Quizzes (lowest dropped, no makeups)	10
Lab Practicals (3)	24
Total	**100**

Mastering Anatomy (Pearson) is the platform we will use for the online homework assignments. There are 1-2 graded assignments per week, please see the Mastering Anatomy navigation tips document in BlackBoard for more information. We will also be using a feature (Learning Catalytics) of this platform for in-class questions. These questions are open-notes, consult your classmate, etc., but you are graded on them. All of the Learning Catalytics questions for each unit of the lecture will be assessed as one graded homework assignment. The lowest 10% (per unit) of Learning Catalytics questions will be dropped for each lecture unit.

Exams will be based on lecture material supported by assigned readings from the texts. Exams will consist of a variety of question formats and may include multiple choice, matching, and short-answer questions. A scantron ParScore form (**F-289-PAR-L)** and number 2 lead pencil are required for all exams. All exams are cumulative in that information learned for one exam will be used to understand information for the next exam. The Human Anatomy and Physiology Society (HAPS) Anatomy exam is a standardized, national assessment exam that will be administered in late April.

Bonus Points Opportunity: All students have the opportunity to earn an additional 3 percentage points to their grade by (1) successfully completing assigned, online Pearson Mastering Anatomy Dynamic Study Modules; (2) successfully completing assigned, online Pearson Mastering Anatomy PAL weekly practice assignments; and (3) successfully completing assigned, online Pearson Mastering Anatomy 3D4 Complete Anatomy practice assignments. Additional information on these opportunities is available on BlackBoard (see the Mastering Anatomy navigation tips document), and points will be added to a student's overall grade after the final exam.

Make-up exams: Make-up lecture exams will be given at the discretion of the instructor under the following circumstances: major illness with physician documentation, family emergency with documentation and contact person, or a University-sponsored function with written documentation from the sponsoring department. Advance notification for a missed exam is essential except under extreme circumstances, in which case the instructor MUST be notified by 5pm the day of the exam. During the examination period, exams will NOT be passed out to student(s) UNDER ANY CIRCUMSTANCES after 15 minutes have elapsed from the start of the exam (i.e., DON'T OVERSLEEP!).

Disability Access and Inclusion: The University of Mississippi is committed to the creation of inclusive learning environments for all students. If there are aspects of the instruction or design of this course that result in barriers to your full inclusion and participation, or to accurate assessment of your achievement, please contact the course instructor as soon as possible. Barriers may include, but are not necessarily limited to, timed exams and in-class assignments, difficulty with the acquisition of lecture content, inaccessible web content, and the use of non-captioned or non-transcribed video and audio files. If you are approved through SDS, you must log in to your Rebel Access portal at **https://sds.olemiss.edu** to request approved accommodations. If you are NOT approved through SDS, you must contact Student Disability Services at **662-915-7128** so the office can: 1. determine your eligibility for accommodations, 2. disseminate to your instructors a Faculty Notification Letter, 3. facilitate the removal of barriers, and 4. ensure you have equal access to the same opportunities for success that are available to all students.

Student conduct:

(1) Academic dishonesty of any kind will NOT be tolerated. If caught cheating or plagiarizing, you will be reported to the university's Academic Discipline Committee for disciplinary actions.

(2) Laptop or tablet computers are allowed for note-taking purposes ***ONLY***. ***All other electronic devices must be SILENCED during class. Texting is explicitly prohibited.***

(3) Use correct grammar in written correspondence (including email), and refrain from using "texting" lingo.

(4) Students must wear gloves during all laboratory sessions to protect our specimens. Additional lab policies will be discussed in class.

Course Schedule: Topics, sources of text-based information, exam dates, and due dates for all lecture and laboratory material are on the following page. Any changes to this schedule will be announced in class.

Please check BlackBoard for regular announcements and in-depth laboratory information.

Week:	Lecture	Chapter Readings (Marieb et al.)	Laboratory Consult BlackBoard for specific list of structures (Marieb et al., Dean & Herbener)
1	Orientation to the Human Body Orientation, Overview of Regional and Surface Anatomy	1 (partial), 4 (review) pp. 332-344	No labs
2	Support and Movement Systems: Skeletal and Joints	6 (partial), 7-9	Skeletal and Muscular Systems: Students will rotate through examination of skeletons, synthetic cadavers, plastinated sections, and 3D anatomy software across the weekly lab sessions.
3	Support and Movement Systems: Muscular	11	
4	**Exam 1 (February 12)**		
	Integration and Control Systems: Nervous	12 (partial)	
5	Integration and Control Systems: Nervous (CNS, PNS)	13-14	**Lab Practical 1 (2/17-2/20)**
6	Integration and Control Systems: Nervous (ANS, special senses); Endocrine	15-17	Nervous, Endocrine, and Cardiovascular Systems: Students will rotate through examination of synthetic cadavers, plastinated sections, and 3D anatomy software across the weekly lab sessions.
7	Integration and Control Systems: Endocrine	17	
	Exam 2 (March 6)		
8	Maintenance Systems: Cardiovascular (heart)	19	
9	Maintenance Systems: Cardiovascular (vessels)	20	**Lab Practical 2 (3/23-3/26)**
10	Maintenance Systems: Lymphatic and Immune; Respiratory	21-22	Lymphatic, Respiratory, Digestive, and Urinary, Reproductive Systems: Students will rotate through examination of synthetic cadavers, plastinated sections, and 3D anatomy software across the weekly lab sessions.
11	Maintenance Systems: Respiratory	22	
	Exam 3 (April 8)		
12	Maintenance Systems: Digestive	23	
13	Maintenance Systems: Digestive, Urinary	24	**HAPS Exam**
14	Reproductive Systems	25	**Lab Practical 3 (4/27-5/1)**
finals	**Exam 4 (May 4, 8am)**		