

BISC 206 – Human Anatomy and Physiology I
Fall 2015 Class Syllabus
Nutt Auditorium, Lecture 8-8:50am MWF
501 Shoemaker Hall, Lab (all sections)

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Office Hours: Tuesdays and Wednesdays 10-11:30am, or by appointment

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Laboratory Teaching Assistants: Please see BlackBoard for a list of teaching assistants by laboratory section.

COURSE DESCRIPTION:

This course will focus on the anatomical structure and physiological functions of cells, tissues, the integumentary system, skeletal system, the muscular system, and the nervous system.

In the laboratory portion of the course students will examine anatomical structures using dissected specimens, models and virtual cadavers. Physiological functions will be examined using computerized data acquisition systems (e.g., PowerLabs), “wet lab” experiments, and computer simulations.

COURSE OBJECTIVES:

In this course students will gain an *understanding* of the anatomical structure and physiology of the human body. Students should be mindful that memorization does not demonstrate understanding.

By the end of the course successful students will be able to:

- Identify selected structures of the human body using correct terminology. Students must be aware that normal is a range rather than an absolute. Structures to be identified may come from dissected specimens, models, microscope slides, or imagery.
- Correlate structure with function for the systems covered in the course. This means that if the structure is known, the function can be deduced and vice versa.
- Reason through cause-and-effect within physiological processes. This means that if “A” event occurs, a student will be able to state that “B” result occurs and why.
- Describe the role of homeostasis in the living human for all systems covered in the course.

Specific objectives for each lecture chapter are listed in BlackBoard.

TEXTBOOKS:

1. Tortora & Derrickson. 2014. **Principles of Anatomy and Physiology, 14th Ed.** Wiley, Inc. (ISBN: 978-1-118-34500-9; older editions are OK)
2. Allen & Harper. 2014. **Laboratory Manual for Anatomy and Physiology, 5th Ed.** Wiley, Inc. (ISBN: 978-1-118-93986-4)
3. **Anatomy and Physiology Revealed Online, Version 3.** Student Access Card Code. McGraw-Hill, Inc. ISBN: 9780073403601

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 BlackBoard <http://blackboard.olemiss.edu/>. You are already enrolled as a BlackBoard user for this course (and perhaps several other courses as well). I will be posting announcements, web links, and other information on BlackBoard. Please note that many of the files contain copywrited information from the publisher, Wiley, Inc. They are for your use only as a student

in this course. Attempts to distribute the files for financial gain is a violation of copyright laws and the university's IT appropriate use policy.

Attendance Policy: I expect that students arrive on time and stay the entire lecture. Students are to be attentive to the lecture and respectful of the instructor, other students and University property at all times. Students are responsible for all material and announcements made in class. I do not give credit for attendance. Attendance will be verified and reported to the university via MyOleMiss. ***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.***

Student conduct:

- (1) Academic dishonesty of any kind will NOT be tolerated. If caught cheating, 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**. Any student found using a laptop or tablet to 'surf the web', check social networking sites, watch a movie, or shop will be asked to leave.
- (3) ***All other electronic devices (including, but not limited to iPods; smartphones; etc.) must be SILENCED during class. Texting, video recording, and photography are explicitly prohibited. There will be no exceptions, and violators will be asked to leave.***
- (4) Use correct grammar in written correspondence (including email), and refrain from using "texting" lingo.
- (5) Do not enter faculty offices without knocking.
- (6) Do not call me at home. My email and voicemail keep date and time records of any messages.

Inclement Weather: In the event that the University cancels classes due to inclement weather, we will adjust the schedule accordingly by shifting our topic or event (e.g., exam) to the next class period. Please check BlackBoard for announcements if this situation arises.

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 ReAlert texts and emails, and respond accordingly. ReAlerts allow the university to communicate essential information to the campus community when a disaster occurs.

Supplemental Instruction (SI): SI study sessions focus on study skills and are led by trained undergraduate SI leaders. SI leaders attend all lectures and organize at least two-three sessions/week to assist students' learning. The SI's role is not to teach, but to provide all students techniques and opportunities to study. Please see BlackBoard for further information regarding the SI program.

Grading and Exams:

You will be evaluated on your **performance** in both the lecture and laboratory portions of this course according to the following weighted distribution.

Graded Material	Percent of total
5 lecture exams	65%
Lecture quizzes (5 total, lowest dropped, no make-ups)	10%
Laboratory performance	
Laboratory quizzes	8%
In-class graded activities	7%
Laboratory practicals	10%

Your final grade will be determined by the scale shown below. There will be NO extra credit points. 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. The grade of C- will not be used in this 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%

Exams will be based on lecture material supported by assigned readings from the texts. Exams will consist of approximately 50 multiple choice questions. None of the exams may be dropped. A scantron form (882-E) 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.

Lecture quizzes will be given at mid-point within each lecture unit (e.g., Chapter 1-3 represent a lecture unit) and will consist of 5-7 multiple choice questions.

Objectives & Skills Development Opportunity: All students have the opportunity to earn an additional 1.5 percentage points to their grade by (1) submitting weekly BlackBoard surveys and (2) attending and participating in at least one SI session per week. Surveys will focus on identifying the structure-function and cause-and-effect relationships that students find most challenging. SI sessions will, among other activities, develop techniques to successfully and efficiently study these relationships and the influence of homeostatic mechanisms on them. Points will be added to a student’s overall grade after the final exam.

Exam Make-up Policy:

Make-up 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. Travel plans for social events are not considered acceptable reasons for requesting a make-up exam. Makeup work must be completed within one week of the original due except in extenuating circumstances.

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. University policy states, “Tardiness in excess of 15 minutes forfeits a student’s right to an examination.”

The format of makeup exams is at the discretion of the instructor.

BISC 206 Lecture Schedule Fall 2015

Order of Lecture Subjects and Exams:

Date:	Subject:	Reading Material:
	Introduction to the Human Body	Chapter 1
	Chemical Level of Organization	Chapter 2
	Cellular Level of Organization	Chapter 3
September 14	Exam 1	
	Tissue Level of Organization	Chapter 4
	Integumentary System	Chapter 5
	Skeletal System: Bone Tissue	Chapter 6
October 2	Exam 2	
	Skeletal System: Axial Skeleton	Chapter 7
	Skeletal System: Appendicular Skeleton	Chapter 8
	Joints	Chapter 9
October 21	Exam 3	
	Muscular Tissue	Chapter 10
	Muscular System	Chapter 11
	Nervous Tissue	Chapter 12
November 11	Exam 4	
	Spinal Cord & Spinal Nerves	Chapter 13
	Brain and Cranial Nerves	Chapter 14
	Autonomic Nervous System	Chapter 15
Finals Week	Exam 5 (8am, December 7)	

Fall 2015 course withdrawal date: October 5, 2015.

Fall 2015 mid-term grades submitted: October 12, 2015.

LABORATORY ATTENDANCE AND CONDUCT:

Students are required to attend all lab sessions prepared and on time. Preparation for a lab session requires reading the lab protocol on blackboard, reading the lab exercise, and studying for the quizzes. Additionally, in-class activities will be conducted and graded. If a case arises where a lab will be missed because of illness or an excused university event, you **MUST** contact your teaching assistant. You are responsible for all announcements made in the laboratory. Additional information regarding laboratory procedures will be given in your lab session.

BISC 206 Laboratory Schedule Fall 2015

Week of:	Topic (see blackboard for specific protocols)	Assessments
August 24	No labs	
August 31	Anatomical Language – Ex. 1; Organ Systems & Body Cavities – Ex. 2	Graded in-class activity
September 7	Compound Light Microscope – Ex. 3; Cell Structure and Cell Cycle – Ex. 4;	Quiz; Graded in-class activity
September 14	Tissues – Ex. 6; Integumentary System – Ex. 7	Quiz; Graded in-class activity
September 21	Bone Structure & Function – Ex. 8; Axial Skeleton – Ex. 9	Quiz; Graded in-class activity
September 28	Appendicular Skeleton – Ex. 10	Quiz; Graded in-class activity
October 5	Lab Practical	Lab Practical
October 12	Joints & Synovial Joint Movements – Ex. 11; Joint Dysfunction Simulation	Quiz; Graded in-class activity
October 19	Skeletal Muscle Structure – Ex. 12; Contraction of Skeletal Muscle – Ex. 13; PowerLab experiment (see Blackboard)	Quiz; Graded in-class activity
October 26	Skeletal Muscles & Actions – Ex. 14; PowerLab experiment (see Blackboard)	Quiz; Graded in-class activity
November 2	Nervous Tissue – Ex. 16; Spinal Cord Structure & Function – Ex. 17	Quiz; Graded in-class activity
November 9	Spinal Nerves – Ex. 18; Somatic Reflexes – Ex. 19; PowerLab experiment (see Blackboard)	Quiz; Graded in-class activity
November 16	Brain Structure & Function – Ex. 20; Cranial Nerves – Ex. 21	Quiz; Graded in-class activity
November 23	Thanksgiving Break	
November 30	Lab Practical	Lab Practical

LABORATORY QUIZZES:

Beginning with the 2nd lab session (e.g., Exercises 3 and 4) there will be daily quizzes. Half of the quiz will cover information from the previous lab session and half will cover your preparation for the laboratory you are about to conduct. These quizzes will be given at the beginning of the laboratory. Completing the Review Your Knowledge worksheets located at the end of each lab exercise in the lab manual is good preparation for the quizzes.

WHAT IS A LAB PRACTICAL?

Laboratory practicals are identification-based exams. Anything that you work with in the laboratory exercises may show up on the practical. Practical exams will consist of 50 questions that ask you to identify the name, function, etc. of a labeled specimen. Labels may be pinned or taped to the specimens. Practicals are NOT multiple-choice exams, and “word banks” will NOT be available during the practical. Lab practicals are your *BEST* opportunity to show that you have mastered the material.

*This schedule is subject to change at the discretion of the instructor
to accommodate instructional and/or student needs.*