

BISC 207 - Anatomy and Physiology II
Spring 2014 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

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 the special senses; endocrine system; cardiovascular system; immune system; respiratory system; digestive system; urinary system, nutrition and metabolism; fluid and acid/base balance; reproductive systems; and fetal development.

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. 2011. **Principles of Anatomy and Physiology, 13th Ed.** Wiley, Inc. (ISBN: 978-0-470-56510-0; *older editions are OK*)
2. Allen & Harper. 2011. **Laboratory Manual for Anatomy and Physiology, 4th Ed.** Wiley, Inc. (ISBN: 978-0-470-59890-0)
3. **Anatomy and Physiology Revealed Online with PhILS Online.** Student Access Card Code. McGraw-Hill, Inc. ISBN: 9780077629342

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 copyrighted 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. ***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 is explicitly prohibited. There will be no exceptions, and violators will be asked to leave.***
- (3) Use correct grammar in written correspondence (including email), and refrain from using "texting" lingo.
- (4) Do not enter faculty offices without knocking.
- (5) 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.

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 16-18 represent a lecture unit) and will consist of 5-7 multiple choice questions.

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.

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 207 Lecture Schedule Spring 2014

Order of Lecture Subjects and Exams:

Date:	Subject:	Reading Material:
	Sensory, Motor, & Integrative Systems	Chapter 16
	Special Senses	Chapter 17
	Endocrine System	Chapter 18
February 10	Exam 1	
	Cardiovascular System: The Blood	Chapter 19
	Cardiovascular System: The Heart	Chapter 20
	Cardiovascular System: Blood Vessels & Hemodynamics	Chapter 21
February 26	Exam 2	
	Lymphatic System & Immunity	Chapter 22
	Respiratory System	Chapter 23
	Digestive System (part 1)	Chapter 24
March 28	Exam 3	
	Digestive System (part 2)	Chapter 24
	Urinary System	Chapter 26
	Metabolism & Nutrition	Chapter 25
April 16	Exam 4	
	Fluid, Electrolyte & Acid-Base Homeostasis	Chapter 27
	Reproductive Systems	Chapter 28
	Development & Inheritance	Chapter 29
Finals Week	Exam 5 (8am, May 5)	

Spring 2014 course withdrawal date: March 4, 2014.

Spring 2014 mid-term grades submitted: March 7, 2014.

LABORATORY ATTENDANCE AND CONDUCT:

Students are expected 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.

LABORATORY QUIZZES:

Beginning with the 2nd lab session (e.g., Exercise 24) there will be daily quizzes covering the session's lab material (e.g., the quiz 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.

BISC 207 Laboratory Schedule Spring 2014

Week of:	Topic (see blackboard for specific protocols and supplements)	Assessments
January 22	No labs	
January 27	ANS Structure & Function – Ex. 22; General Senses – Ex. 23	Graded in-class activity
February 3	Special Senses #1 – Ex. 24	Quiz; Graded in-class activity
February 10	Special Senses #2 (Olfaction) – Ex. 24; Endocrine Structure & Function – Ex. 25 & Supplement	Quiz; Graded in-class activity
February 17	Blood Components & Blood Tests – Ex. 26; PowerLab Demo	Quiz; Graded in-class activity
February 24	Heart Structure & Function – Ex. 27; Cardiac Cycle – Ex. 28, PowerLab	Quiz; Graded in-class activity
March 3	Lab Practical	Lab Practical
March 10	Spring Break	
March 17	Blood Vessel Structure & Function – Ex. 29; PowerLab	Quiz; Graded in-class activity
March 24	Blood Vessel Identification – Ex. 30; Lymphatic/Immune System Structure & Function – Ex. 31	Quiz; Graded in-class activity
March 31	Respiratory System Structure & Function – Ex. 32; Pulmonary Ventilation – Ex. 33; PowerLab	Quiz; Graded in-class activity
April 7	Digestive System Structure & Function – Ex. 34; Mechanical & Chemical Digestion – Ex. 35	Quiz; Graded in-class activity
April 14	Urinary System Structure & Function – Ex. 18; Urine Formation & Urinalysis – Ex. 19	Quiz; Graded in-class activity
April 21	Reproductive Systems Structure & Function – Ex. 38 and 39; Human Development – Ex. 40	Quiz; Graded in-class activity
April 28	Lab Practical	Lab Practical

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. Practicals 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 syllabus is subject to change at the discretion of the instructor to accommodate instructional and/or student needs.