

Zoology 251– Human Anatomy and Physiology I  
University of Tennessee at Martin  
Fall 2008

Course No. 41458, Section 2  
T, TH 9:30-10:45 a.m.  
Humanities 121

Instructor: Dr. Ann Gathers

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Office Hours: M 1:00-2:00; T 11:00-12:00; W 9:00-12:00, and TH 2:30-3:30; others by  
appointment

Catalog Course Description: This course provides an overview of basic chemistry and the fundamentals of cell biology, and focuses on the structure and function of the skeletal, muscular, nervous, and integumentary systems.

Course Objectives:

- 1.) Provide a first semester comprehensive undergraduate anatomy course suitable for nursing and pre-professional students
- 2.) Provide an overview of basic terminology and concepts of chemistry and cell biology
- 3.) Introduce basic histology and anatomical terminology
- 4.) Provide a broad overview of the nervous, skeletal, muscular, and integumentary organ systems.
- 5.) Examine structure and function of these systems at multiple levels, including the cellular level, tissue level, and organ systems level
- 6.) Provide detailed coverage of selected physiology topics
- 7.) Explore clinical applications of selected topics
- 8.) Encourage students to become independent, active learners, and critical thinkers

Required Materials:

Textbook: Anatomy and Physiology: The Unity of Form and Function, 4th Edition, by Kenneth S. Saladin (2004). ISBN: 0072978236

Lab Text: Human Anatomy and Physiology, 9<sup>th</sup> Edition (Fetal Pig Version), by Elaine N. Marieb. ISBN: 0-8053-5518-9

Recommended Materials:

\*\*Colored pencils, pens, or fine-tipped markers for drawing/labeling diagrams

Grading: Students must be enrolled in lecture and lab to receive a grade for the course. The final course grade is determined by lab exam scores (30%) and lecture exam scores (70%).

Lab scores: See lab syllabus.

Lecture scores:

Chapter Assignments	150
Exam I	100
Exam II	100
Exam III	100
<u>Final Exam</u>	200 (1/2 new + 1/2 comprehensive)
Total	650 percentage points

Exam format may include multiple choice, fill-in-the blank, short answer, and/or diagrams/identification. **All lectures, assigned readings, and hand-outs are fair testing material. \*\* Bring a No. 2 pencil and student ID to exams.**

**There are no make-up exams.** In the event that a student misses an exam and the absence is excused, the **student's final exam percentage will replace the missed exam.** If two exams are missed the final exam percentage will be added twice to the student's grades. No more than two missed exams will be replaced by the final exam percentage.

I determine if an absence on the day of an exam is excused. An absence is excused if: 1.) The student notifies me prior to the absence and the absence is warranted (interview, death of family member, doctor's appointment, class field trips, team travel days, etc.), or 2.) in the case of an emergency, the student contacts me within a day of the absence and the absence is deemed warranted.

In addition to exam grades and lab scores, **chapter assignments will be given.** For these assignments, students will create 10 questions per chapter according to the following format: 2 true/ false, 2 multiple choice, 2 fill-in-the-blank, 2 open-ended, and 2 application. All sections of the chapter covered in lecture must be represented in the assignment. Each assignment that meets these criteria will be worth a total of 10 points. The instructor will include two student questions per chapter on each exam. All student generated questions will be available on Blackboard for the class to review.

As a semester-long **optional project**, students may participate in the **Anatomy and Physiology I – Aging Project.** The Aging Project is a service-based learning project that involves: 1.) reading and summarizing **three instructor-approved articles** on aging, 2.) **volunteering for at least two hours** with the aging population at **an approved site**, 3.) **completing an observation form** following the volunteer experience, 4.) **submitting a written report** (2 pages, double-spaced minimum) incorporating observations, articles, and classroom content regarding aging. **The project is worth a total of 20 points to be added to the final exam grade.** At the end of the semester, students are asked to complete a survey regarding the project. Completion of the survey is voluntary and in no way influences the grade received on the project.

Grading Scale:

90-100 A      80-89 B      70-79 C      60-69 D      < 60 F

Cheating and Classroom Behavior: All students are expected to demonstrate integrity, respect, and consideration as outlined by the 2007-2008 Undergraduate and Graduate Catalog (page 42). Failure to meet these guidelines will result in a course grade of 'F' and a written report will be submitted to the appropriate dean.

**Cell phones must be turned OFF during class. No cell phones, electronic devices, hats, or caps are to be brought to class on exam days. Use of cell phones in any way during an exam results in a grade of zero for the exam.**

Attendance: Students are expected to attend all classes and are responsible for lecture information and announcements. I do not provide my own lecture notes to students. Some lecture materials, chapter reviews, and additional information will be accessible via Blackboard.

Academic Accommodation: Any student eligible for and requesting academic accommodations due to a disability is requested to provide a letter from the Student Success Center within the first two weeks of the semester.

Tentative Course Schedule:

<u>Day</u>	<u>Date</u>	<u>Subject (tentative)</u>	<u>Chapter</u>
T	Aug. 26	Introduction/ Chemistry of Life	Ch. 1&2
TH	Aug. 28	Chemistry of Life	Ch. 2
T	Sept. 2	Chemistry of Life	Ch. 2
TH	Sept. 4	Cellular Form & Function	Ch. 3
T	Sept. 9	Cellular Form & Function	Ch. 3
TH	Sept. 11	Genetics	Ch. 4
T	Sept. 16	Genetics	Ch. 4
TH	Sept. 18	Genetics	Ch. 4
<b>T</b>	<b>Sept. 23</b>	<b>Exam I</b>	
TH	Sept. 25	Histology	Ch. 5
T	Sept. 30	Histology	Ch. 5
TH	Oct. 2	Integumentary	Ch. 6
T	Oct. 7	Integumentary	Ch. 6
TH	Oct. 9	Bone Tissue	Ch. 7
<b>T</b>	<b>Oct. 14</b>	<b>FALL BREAK/ NO CLASS</b>	
TH	Oct. 16	Bone Tissue/ Skeletal System	Ch. 7&8
<b>T</b>	<b>Oct. 21</b>	<b>Exam II</b>	
TH	Oct. 23	Muscular System	Ch. 10
T	Oct. 28	Muscle Tissue	Ch. 11
TH	Oct. 30	Muscle Tissue	Ch. 11
T	Nov. 4	Muscle Tissue	Ch. 11
TH	Nov. 6	Nervous Tissue	Ch. 12
<b>T</b>	<b>Nov. 11</b>	<b>Exam III</b>	
TH	Nov. 13	Nervous Tissue	Ch. 12
T	Nov. 18	Nervous Tissue	Ch. 12
TH	Nov. 20	Spinal Cord	Ch. 13
T	Nov. 25	Brain	Ch. 14
<b>TH</b>	<b>Nov. 27</b>	<b>THANKSGIVING BREAK/ NO CLASS</b>	
T	Dec. 2	Autonomic Nervous System	Ch. 15
TH	Dec. 4	Special Senses	Ch. 16

Final Exam Date:

Tuesday, December 9                      10:00 a.m.-12:00 p.m.                      Hum 121

Other Important Dates:

October 10	Midterm Grades
October 11-14	Fall Break
November 26-30	Thanksgiving Break
December 5	Last Day of Class