

# Medical Human Anatomy

## Course Syllabus

### Fall 2017

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**Course Number:** GMS 5605

**Credit Hours:** Three (3) credit hours

**Course Format:** This online course is tailored for asynchronous distance learners.

#### **Course Description:**

Medical Human Anatomy will be taught using a combined regional and systemic approach to examine the relationships and organization of the major structures within the thorax, abdomen, head/neck, and back/limbs regions of the human body. Organization of human anatomy is correlated with diagnostic imaging and pathophysiology. Medical-based scenarios will be used to develop “problem solving” and “critical thinking” skills.

#### **Prerequisites:**

This post-graduate course is designed to meet the needs of those BA and BS graduates who want to pursue a medical career. This course will provide an essential foundation for students who wish to pursue a “change-in-career” to a health profession or have not met the admission requirements of medical school. This advance medical anatomy course will require a strong science foundation of five (5) full-semester science courses related to Biology, Chemistry, and/or Physics.

#### **Contacts:**

If you have questions about the course or its content contact the **Course Coordinator**, Dr. Kyle E. Rarey, Professor, Department of Anatomy & Cell Biology.

**Schedule:** The course is offered every term, including the summer.

#### **Course Goals:**

The goals of the course are three-fold: (1) to provide a foundation of the fundamental concepts and terminology of the anatomy of the human body; (2) to discuss anatomical organization into functional systems related to medical correlations; and (3) to promote critical thinking of the clinical consequences of anatomical injuries, musculoskeletal disorders, pulmonary diseases, gastrointestinal abnormalities, and renal pathophysiology.

#### **Learning Outcomes:**

Upon completion of this course, students will be able to:

1. Demonstrate an understanding of the basic anatomical terminology as it relates to its organization to form the functional systems of the human body;
2. Describe the anatomical structures of the human body relative to systems, location, and planes of the body;
3. Demonstrate an understanding of the primary functions of the major systems of the human body;
4. Develop problem solving skills to describe possible pathologic outcomes of system dysfunction;

5. Demonstrate critical thinking skills to evaluate how alterations in anatomical structures and changes in system function will lead to medical conditions.

### **Learning Resources:**

1. Unit overviews, recorded lectures with PowerPoint presentations, and other multimedia resources will be provided on the course web site.
2. Required text: **Principles of Human Anatomy**, 13<sup>th</sup> or 14<sup>th</sup> Edition, by Tortora, G.J. and Nielsen, M., John Wiley & Sons, 2014. The information in the required text is coordinated with online lecture materials.  
**\*\* You can purchase the electronic version of the text with the access code for \$119.00 at [www.wileyplus.com](http://www.wileyplus.com). While the online access is not required, it is recommended for this course.**
3. Practice online quizzes that consist of multiple-choice questions will be available for each module of study.
4. Clinical exercises in anatomical injuries, musculoskeletal disorders, pulmonary diseases, gastrointestinal abnormalities, and renal pathophysiology will be used to promote critical thinking.

### **Syllabus**

Review the course Syllabus. You can download an Adobe PDF or a Microsoft Word version.

### **WileyPlus Web Portal (optional)**

There are activities and readings at the website that can enhance your learning. You can find these activities in the [WileyPlus web portal](#). There you will find information on how to purchase the textbook.

Once you have purchased the textbook, <https://wileyplus.com> to log in into the textbook site.

### **Course Participation**

Points may be earned per module by actively posting multiple choice questions (MCQs) at the discussion site and the assignment site. Each MCQ must have the rationales for the correct answers and rationales for the incorrect choices. Each question with rationales will count as 2 points. One can submit a maximum of three questions per week. Questions should be published before the weekly due date. Late submissions will be valued less. Total possible participation points = 96 (3MCQs × 2pts × 16wks)

### **Examinations and Grading:**

One examination consisting of 50 multiple-choice questions (each valued of 2 points) will be given for each module. Each exam will be worth 100 points and will be timed. Students will have to take all examinations at a computer with a web camera. A proctor will remotely monitor each student during the exams. See the [ProctorU Student FAQs](#) for more information.

4 module examinations = Total 400 possible points

Participation points from MCQs = Total 96 possible points

The final grade will be calculated as follows:

Scores on 4 module examinations (a total of 400 points)  
+ Scores on submitted multiple-choice questions (a total of 96 points)  
= Total points possible: 496 points.

In summary, the final grade will be the total number of points earned/496 (%). The final grade is broken down as follows:

- Module Exams: 80%
- Submitted Multiple-Choice Questions: 20%

**Grading Scale** (Correct out of a possible 496 points)

A	=	93-100%	C+	=	77-79%
A-	=	90-92%	C	=	73-76%
B+	=	87-89%	C-	=	70-72%
B	=	83-86%	D+	=	67-69%
B-	=	80-82%	D	=	63-66%
			D-	=	59-62%
			E	<	59%

I = An incomplete grade will be given if a student fails to complete the course as scheduled.

**Make-Up Exam Policy:**

Students are required to take all four modular examinations. Makeup exams are given only under special circumstances. If the student is unable to take a scheduled modular examination, the course director must be notified before the examination. In addition, a written letter of explanation, requesting that the absence from the exam be excused, must be presented before the exam or immediately afterwards. An excused absence is allowable when: 1) the student is hospitalized and/or has been advised by a licensed medical practitioner or hospital not to attend the exam, 2) if there is a documented death of an immediate family member, or 3) the examination falls on a religious holiday. All excused absences will be considered on an individual basis by the course director. With the exception of highly extenuating circumstances, failure to follow the prescribed procedures will result in a grade of zero for that exam. Further information about the policies for attendance and religious holidays for The University of Florida can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

**Assignments:**

The course is divided into 4 modules. Each module consists of selected chapters with specific reading assignments. For each module students will: (1) review the learning objectives and corresponding lecture notes; (2) read and complete the assignments as given; (3) complete interactive exercises associated with each module; (4) take online practice examinations; and (5) take the scheduled, online module examination.

## Course Schedule:

\*Note: All times listed are Eastern

Module	Date	Activity	Reading Assignment	Learning Opportunities
1-1	Aug 21 – 25	Organization of the Human Body 1-1A Online Lecture 1-1 Post-lecture Quiz	Tortora, Chapter 1	MCQs Due, Friday, 12 Noon
1-2	Aug 28 – Sept 1	Skeletal System 1-2A Online Lecture 1-2A Post-lecture Quiz 1-2B Online Lecture 1-2B Post-lecture Quiz	Tortora, Chapters 7 & 8	MCQs Due, Friday, 12 Noon
1-3	Sept 4 – Sept 8	Muscular System 1-3A Online Lecture 1-3B Online Lecture 1-3 Post-lecture Quiz	Tortora, Chapter 11	MCQs Due, Friday, 12 Noon
1-4	Sept 11 – Sept 15	Joints of the Extremities 1-4A Online Lecture 1-4B Online Lecture 1-4 Post-lecture Quiz	Tortora, Chapter 9	MCQs Due, Friday, 12 Noon
1-5	Sept 18 – Sept 22	Surface Anatomy 1-5 A&B Online Lecture 1-4 Post-lecture Quiz	Tortora, Chapter 27	MCQs Due, Friday, 12 Noon

### Module 1 Examination (online) – Opens Friday, Sept 22, 2017

Module	Date	Activity	Reading Assignment	Learning Opportunities
2-1	Sept 25 – Sept 29	Brain & Cranial Nerves 2-1A Online Lecture 2-1B Online Lecture 2-1 Post-lecture Quiz	Tortora, Chapter 18	MCQs Due, Friday, 12 Noon
2-2	Oct 2 – Oct 6	Spinal Cord & Spinal Nerves 2-2A Online Lecture 2-2B Online Lecture 2-2 Post-lecture Quiz	Tortora, Chapter 17	MCQs Due, Friday, 12 Noon
2-3	Oct 9 – Oct 13	Autonomic Nervous System & Special Senses 2-3 A&B Online Lecture 2-3 Post-lecture Quiz 2-4 A&B Online Lecture 2-4 Post-lecture Quiz (Somatic Senses) 2-4 Post-lecture Quiz (Special Senses)	Tortora, Chapters 19, 20, & 21	MCQs Due, Friday, 12 Noon
2-4	Oct 16 – Oct 20	Lymphatic System 2-5 A&B Online Lecture 2-5 Post-lecture Quiz	Tortora, Chapter 15	MCQs Due, Friday, 12 Noon

### Module 2 Examination (online) – Opens Friday, Oct 20, 2017

Module	Date	Activity	Reading Assignment	Learning Opportunities
3-1	Oct 23 – Oct 27	Respiratory System 3-1A Online Lecture 3-1A Post-lecture Quiz 3-1B Online Lecture 3-1B Post-lecture Quiz	Tortora, Chapter 23	MCQs Due, Friday, 12 Noon
3-2	Oct 30 – Nov 3	Cardiovascular System 3-2A Online Lecture 3-2A Post-lecture Quiz 3-2B Online Lecture 3-2B Post-lecture Quiz	Tortora, Chapters 13 & 14	MCQs Due, Friday, 12 Noon
3-3	Nov 6 – Nov 10	Superior & Posterior Mediastinum	Tortora, Chapters 13 & 14	MCQs Due, Friday, 12 Noon

		3-3 A&B Online Lecture 3-3 Post-lecture Quiz		
3-4	Nov 13 – Nov 17	Digestive System 3-4A Online Lecture 3-4A Post-lecture Quiz 3-4B Online Lecture 3-4B Post-lecture Quiz	Tortora, Chapter 24	MCQs Due, Friday, 12 Noon
<b>Module 3 Examination (online) – Opens Friday, Nov 17, 2017</b>				

Module	Date	Activity	Reading Assignment	Learning Opportunities
4-1	Nov 20 – Nov 24	Urinary System 4-1 A&B Online Lecture 4-1 Post-lecture Quiz	Tortora, Chapter 25	MCQs Due, Friday, 12 Noon
4-2	Nov 27 – Dec 1	Male Reproductive System 4-2A Online Lecture 4-2B Online Lecture 4-2 Post-lecture Quiz	Tortora, Chapter 26	MCQs Due, Friday, 12 Noon
4-3	Dec 4 - Dec 8	Female Reproductive System 4-3A Online Lecture 4-3B Online Lecture 4-3 Post-lecture Quiz	Tortora, Chapter 26	MCQs Due, Friday, 12 Noon
<b>Module 4 Examination (online) – Opens Friday, Dec 8, 2017</b>				

### Attendance:

Attendance will not be taken. A student’s overall success, however, is based upon following the course schedule for learning the assigned materials, completing the recommended exercises, and participating online telephone sessions and discussion board. Students are strongly encouraged to develop self-discipline to complete all text readings and online exercises, including the practice examinations.

### Academic Integrity:

Please review the University’s complete policy regarding academic dishonesty, found online in the student handbook: <http://www.dso.ufl.edu/judicial/pdf/handbook2003.pdf>

Students are expected to abide by the University’s Academic Honesty Policy, and to adhere to the following pledge:

“We, the member of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied:

“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

According to the UF Student Guide, Academic dishonesty includes the following.

- Cheating - copying another’s work for academic gain.
- Plagiarism - representing another’s work as your own.

Bribery - offering, giving, soliciting, or receiving goods or services of value for academic gain.

Misrepresentation - altering facts (e.g., signing an absent classmate's name to an attendance sheet).

Conspiracy - planning with others to commit academic dishonesty.

Fabrication - making up information to avoid punishment or other difficulty.

### **Copyright Information:**

Please also review the use of copyrighted materials, which can be found on the Health Science Center Library's web page: <http://www.library.health.ufl.edu/services/copyright.htm>

### **Accommodation Policy:**

Students requesting classroom accommodation must first register with the Dean of Students' office, 202 Peabody Hall, 352-392-1261. The DSO will provide documentation to the student who must then provide this documentation to the instructor.

### **Student Support Services**

As a student in a distance learning course or program you have access to the same student support services that on campus students have. For course content questions contact your instructor.

For any technical issues you encounter with your course please contact the UF computing Help Desk at 352-392-4357. For Help Desk hours visit: <http://helpdesk.ufl.edu/>.

For a list of additional student support services links and information please visit:

<http://www.distance.ufl.edu/student-services>

### **Special Accommodations**

Students requesting disability-related academic accommodations must first register with the Disability Resource Center. <http://www.dso.ufl.edu/drc/>

The Disability Resource Center will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

### **Complaints**

Should you have any complaints with your experience in this course please visit

<http://www.distance.ufl.edu/student-complaints> to submit a complaint.