

# Course Syllabus

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**MARIAN UNIVERSITY**  
Indianapolis

## BIO 225 Human Anatomy 5 Credits

Semester and Year:

Online Instructor:

Email: Contact via Canvas email

### Required Textbook(s):

Principles Human Anatomy; Gerard Tortora and Mark Nielsen. 14th Edition. Wiley

Students are required to purchase the items listed above prior to the start of the course. Look into all of your options - new, used, rental or e-books. If you choose a rental option, be sure to understand the policies and the due dates for the returns. While you have the option to obtain your course materials from any source, ordering from the MU Book Store can be a convenient option. Please note that you can also charge bookstore purchases to your student account or use your MU financial aid if applicable. Visit [www.bkstr.com/marianustore/home](http://www.bkstr.com/marianustore/home).

### Additional Resources:

The Mother Teresa Hacklemeier Memorial Library at Marian University provides various databases <http://www.marian.edu/library/Pages/default.aspx> (<http://www.marian.edu/library/Pages/default.aspx>)

### Course Description

A systematic approach to the study of the structure of the human body through both lecture and an interactive online virtual laboratory. The course begins with an introduction to anatomy and continues with

the anatomical study of all systems of the human body.

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

### **Student Learning Objectives**

### **Student Learning Outcomes**

1. Describe the biochemical construct of the cell membrane
2. Analyze the relationship between cells, their organelles, and their function
3. Identify (by light micrograph or by description) specific cellular types or cellular organelles and their functions
4. Categorize different tissue types and their intimate relationships
5. Relate the structure of different tissue types to the human system in which they are located
6. Identify tissues by description or light micrograph
7. Compare the anatomical and functional similarities/differences of the integumentary layers
8. Identify bones and/or their markings on anatomical models
9. Classify articulations based on their anatomical structure
10. Identify the microscopic components of skeletal muscle cells
11. Identify the gross anatomical components of skeletal muscle cells
12. Recall function(s) of the major muscles of the body
13. Identify diagrammatically or on anatomical models the major muscles of the human body
14. Recall the structural organization and embryology of the nervous system
15. Summarize the structural and functional types of neurons and neuroglial cells
16. Identify the components of the spinal cord by description or on anatomical models
17. Compare the anatomical and functional similarities or differences of the components of the brain stem
18. Summarize the functional characteristics of the forebrain
19. Identify the components of the eye and ear by description or on anatomical models
20. Summarize the functional characteristics of cranial nerves and spinal nerves
21. Recall the microscopic and functional characteristics of blood cells
22. Identify the components of blood vessels and the heart by description or on anatomical models
23. Identify the components of the respiratory and digestive systems by description or on anatomical models
24. Identify the components of the endocrine, urinary, and reproductive systems by description or on anatomical models

### **Teaching Strategies**

Lecture:

The lecture portion of the course is self-directed through posted readings, presentations, and experiential learning activities in each module. Each module also contains three graded components; quizzes (

assessment) and either a discussion or an abstract. There will be one cumulative final exam at the end of the course.

**Lab:**

The lab portion of the course is facilitated through activities linked to the Wiley Plus textbook. Students will participate in dynamic study modules and the adaptive practice homework assignments (graded) which relate to the content found in each chapter to prepare themselves for each quiz.

**Assignments & Assessment Methods:**

<b><i>ASSIGNMENT</i></b>	<b><i>VALUE</i></b>
Discussion 1 Post	15 Points
Discussion 2 Post	15 Points
Discussion 3 Post	15 Points
Discussion 4 Post	15 Points
Discussion 1 Replies	10 Points
Discussion 2 Replies	10 Points
Discussion 3 Replies	10 Points
Discussion 4 Replies	10 Points
Abstract 1	25 Points
Abstract 2	25 Points
Abstract 3	25 Points
Abstract 4	25 Points
Assignment Zero-Intro	5 Points
Chapter Quiz 1	20 Points

Chapter Quiz 2	20 Points
Chapter Quiz 3	20 Points
Chapter Quiz 4	20 Points
Chapter Quiz 5	20 Points
Chapter Quiz 6	20 Points
Chapter Quiz 7	20 Points
Chapter Quiz 8	20 Points
Chapter Quiz 9	20 Points
Chapter Quiz 10	20 Points
Chapter Quiz 11	20 Points
Chapter Quiz 12	20 Points
Chapter Quiz 13	20 Points
Chapter Quiz 14	20 Points
Chapter Quiz 15	20 Points
Chapter Quiz 16	20 Points
Chapter Quiz 17	20 Points
Chapter Quiz 18	20 Points
Chapter Quiz 19	20 Points
Chapter Quiz 20	20 Points

Chapter Quiz 21	20 Points
Chapter Quiz 22	20 Points
Chapter Quiz 23	20 Points
Chapter Quiz 24	20 Points
Chapter Quiz 25	20 Points
Chapter Quiz 26	20 Points
Chapter Quiz 27	20 Points
Adaptive Practice 1	15 Points
Adaptive Practice 2	15 Points
Adaptive Practice 3	15 Points
Adaptive Practice 4	15 Points
Adaptive Practice 5	15 Points
Adaptive Practice 6	15 Points
Adaptive Practice 7	15 Points
Adaptive Practice 8	15 Points
Adaptive Practice 9	15 Points
Adaptive Practice 10	15 Points
Adaptive Practice 11	15 Points
Adaptive Practice 12	15 Points
Adaptive Practice 13	15 Points

Adaptive Practice 14	15 Points
Adaptive Practice 15	15 Points
Adaptive Practice 16	15 Points
Adaptive Practice 17	15 Points
Adaptive Practice 18	15 Points
Adaptive Practice 19	15 Points
Adaptive Practice 20	15 Points
Adaptive Practice 21	15 Points
Adaptive Practice 22	15 Points
Adaptive Practice 23	15 Points
Adaptive Practice 24	15 Points
Adaptive Practice 25	15 Points
Adaptive Practice 26	15 Points
Adaptive Practice 27	15 Points
Final Exam	100 Points
<b>Total</b>	<b>1245 Points</b>

### Methods of Evaluation

Readings, presentations, and experiential learning activities cover the relevant chapters from the textbook and the photographic atlas.

- Learning activities are comprised of matching, labeling, and other brain games.

Links to the discussion questions and their due dates are located on chapters 1, 18, 24 & 4. Initial posts must be 300 words in length. Replies to two classmates must be 150 words in length each.

- Initial posts must be submitted by 11:59 p.m. EST on the first due date.
- Replies must be submitted by 11:59 p.m. EST on the second due date.
- Your instructor will review all of the posts and replies and make comments the following Sunday.

Links to the abstract submission pages and their due dates are located on the content page of chapters 2, 4, 6, & 8. Your task is to select a scholarly article related to Anatomy and write a 1 page abstract with the following guidelines:

- Abstracts must be single spaced, in 12-point, Times New Roman font.
- Include a work cited page.
- Abstracts must include the following sections: objectives, methods, results, and conclusions.
- Abstracts must be submitted by 11:59 p.m. EST on the day they are due.

Links to the quizzes and their due dates are located on the last content page of each module.

- Each quiz has multiple choice questions for a total of 20 points.
- You will have a 24-hour window to take each quiz.
- The 24-hour window starts at 12:01 a.m. EST and ends at 11:59 p.m. EST the day each quiz is scheduled.
- Once you start, you will have 25 minutes to complete each quiz.
- If you start a quiz with less than 25 minutes remaining in the 24-hour window, it will timeout at 11:59 p.m. EST and you will only earn credit for the questions that have been completed.

The final exam is located in the Modules and Assignments sections of this course.

- The final exam consists of 50 questions consisting of multiple choice questions and true false questions selected randomly from pools, valued at 2 points per question, for a total of 100 points.
- You will have a 24-hour window to take the final exam.
- The 24-hour window starts at 12:01 a.m. EST and ends at 11:59 p.m. EST the day the final exam is scheduled.
- Once you start, you will have 90 minutes to complete the final exam.
- If you start the final exam with less than 90 minutes remaining in the 24-hour window, it will timeout at 11:59 p.m. EST and you will only earn credit for the questions that have been completed.

Dynamic study modules and optional homework assignments cover the applicable chapters from the textbook and the photographic atlas.

- These items are not graded, but participation is HIGHLY ENCOURAGED.

## Grading Scale

**Letter Grade**

**Percentage**

A	95 - 100
A-	90 - <95
B+	87 - <90
B	83 - <87
B-	80 - <83
C+	77 - <80
C	73 - <77
C-	70 - <73
D+	66 - <70
D	60 - <66
F	<60

### **Course Policies:**

### **Student Handbook**

Please refer to the Student Handbook for academic and school of nursing policies. The Student Handbook provides information regarding:

**All Nursing students are responsible for reviewing and signing the School of Nursing Student Handbook each semester which holds you accountable for all information and addendums made throughout the semester.**

**NOTE: Students with disabilities who have proper documentation must contact the Director of Academic Support Services in the Learning and Counseling Center to set up a documentation review. If after the review, accommodations are deemed appropriate, an accommodation plan will be**



developed. As per the ADA (Americans with Disabilities Act) no accommodations can be provided until this process is complete. Contact Marj Batic, Director of Academic Support Services (mbatic@marian.edu; 317.955.6150; or stop by the office in Clare Hall).












**Note:** Students who may require assistance in emergency evacuations should contact the instructor as to most appropriate procedure to follow. If there are questions regarding such a procedure, contact the Dean of Student Affairs (Ruth Rodgers – rrodgers@marian.edu) or the Director of Academic Support Service for additional information.

**\*\*Any changes to this syllabi will be communicated to the student.**





















## Course Outline




















## Schedule















# Course Summary:

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	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305979">Abstract 2 (https://marian.instructure.com/courses/2516504/assignments/21305979)</a>
	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305980">Abstract 3 (https://marian.instructure.com/courses/2516504/assignments/21305980)</a>
	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305981">Abstract 4 (https://marian.instructure.com/courses/2516504/assignments/21305981)</a>
	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305982">Assignment Zero - Introduction to WileyPLUS (https://marian.instructure.com/courses/2516504/assignments/21305982)</a>
	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305983">Ch 10: Adaptive Practice (https://marian.instructure.com/courses/2516504/assignments/21305983)</a>
	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305985">Ch 10: Assessment (https://marian.instructure.com/courses/2516504/assignments/21305985)</a>
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-  [Ch 13: Assessment](#)  
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-  [Ch 14: Adaptive Practice](#)  
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-  [Ch 14: Assessment](#)  
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-  [Ch 15: Adaptive Practice](#)  
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-  [Ch 16: Adaptive Practice](#)  
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	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305977">Discussion 1</a> ( <a href="https://marian.instructure.com/courses/2516504/assignments/21305977">https://marian.instructure.com/courses/2516504/assignments/21305977</a> )
	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305975">Discussion 2</a> ( <a href="https://marian.instructure.com/courses/2516504/assignments/21305975">https://marian.instructure.com/courses/2516504/assignments/21305975</a> )
	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305974">Discussion 3</a> ( <a href="https://marian.instructure.com/courses/2516504/assignments/21305974">https://marian.instructure.com/courses/2516504/assignments/21305974</a> )
	 <a href="https://marian.instructure.com/courses/2516504/assignments/21305976">Discussion 4</a> ( <a href="https://marian.instructure.com/courses/2516504/assignments/21305976">https://marian.instructure.com/courses/2516504/assignments/21305976</a> )
	 <a href="https://marian.instructure.com/courses/2516504/assignments/21306057">FINAL EXAM</a> ( <a href="https://marian.instructure.com/courses/2516504/assignments/21306057">https://marian.instructure.com/courses/2516504/assignments/21306057</a> )