This course supports the assessments for Anatomy and Physiology I. The course covers 7 competencies and represents 4 competency units.

Introduction

Course Overview

Welcome to Anatomy and Physiology. As you work through this course, you will have the opportunity to apply the knowledge you gain by exploring the body through laboratory experience. For nursing students, this is the first of two anatomy and physiology courses within the program of study.

Watch the following video for an introduction to this course:

Note: To download this video, right-click the following link and choose "Save as...": download video.

Competencies

The Anatomy and Physiology course prepares you to demonstrate competency in the following 7 areas:

- **Competency 130.2.1: Directional Terms**
  The graduate applies appropriate terminology to communicate about body position and human anatomical features and relationships.
- **Competency 130.2.2: Cardiovascular and Respiratory Systems**
  The graduate analyzes the structure and function of the human cardiovascular and respiratory systems.
- **Competency 130.2.3: Renal and Reproductive Systems**
  The graduate analyzes the structure and function of the human renal and reproductive systems.
- **Competency 130.2.4: Nervous System**
  The graduate analyzes the structure and function of the human nervous system.
- **Competency 130.2.5: Digestive System**
  The graduate analyzes the structure and function of the human digestive system.
- **Competency 130.2.6: Muscular, Skeletal, and Integumentary Systems**
  The graduate analyzes the structures and functions of the human muscular, skeletal, and integumentary systems.
- **Competency 130.2.7: Lymphatic and Endocrine Systems**
  The graduate analyzes the structure and function of the human lymphatic and endocrine systems.

Learning Materials

The information in this section will help you succeed in this course.

Learning Resources

The information in this section will help you navigate your learning resources and successfully complete the course.

Acrobatiq

You will be working through several modules in the Acrobatiq learning resource. In the activities that follow, you will be directly linked to these modules.

The first time you enter Acrobatiq platform you should use the “Test and Configure” link on the “Syllabus” page of the course.

If you want more information about using Acrobatiq, review the information in these links:

- The My Scores page
- Bookmark your progress

Each time you enter the Acrobatiq learning environment, you can use the "Table of Contents" to find specific modules (scrolling across the top) or you can click the "Resume Working" button at the top, which will take you to where you left off.

The course instructors recommend that you complete each module in its entirety. This is the best way to prepare for the assessments. As you complete each Acrobatiq module, follow these steps:

- Fill out the study guide.
- Assess your knowledge by completing chapter activities and module quizzes.
- Review materials as needed before moving on.

Citing Acrobatiq

APA in-text citations for your Acrobatiq course should use the following format:

- (Acrobatiq, 2014)

APA reference page citations for your Acrobatiq course should use the following format:

- Acrobatiq. (2014). *Anatomy and Physiology.*
  Retrieved from https://lrps.wgu.edu/provision/41169066

Cadaver Dissection Tool: Anatomy and Physiology Revealed (McGraw Hill Connect)

The first time that you access Anatomy and Physiology McGraw Hill Connect platform, you may be asked to confirm your student registration. Log into McGraw Hill Connect by visiting the following link: Anatomy and Physiology

1. You should see Anatomy and Physiology Revealed Version 3.0 Connect, among other verbiage.

2. Choose, "Yes, Complete My Registration."
3. You will receive a confirmation that your "registration is complete" and that "you can now access your course."
4. Click "Go to Connect" button to access the course.

This video will tell you how to use the dissection tool.

Note: To download this video, right-click the following link and choose "Save as...": download video.

For additional guidance on how to use the Cadaver Dissection Tool, read the following materials:

- Program Overview
- Dissection tool
- Histology and Imaging tools
- Quiz tool

You can also download this pdf.

Live Sessions

Cohort live sessions may be held periodically, including Q & A sessions. Check "Announcements" and "Course Tips" sections of this course for the most current information and times.

Pacing Guide

This is the pacing guide/checklist for topics and tasks each week for this course. Download and save or print this checklist to track your progress. This course is designed to take a new learner approximately 15–20 hours of work per week.

Week 1

BASIC ANATOMY AND PHYSIOLOGY AND INTEGUMENTARY SYSTEM

Main Focus:

?Download study guide. (See Course Information on the course of study.)

? If you have previous experience with A&P take the pre-assessment. Use the Coaching Report and the guidance of a mentor to target your studying.

? Unit 1: Learning Strategies

o Complete reading.

? Unit 2: Introduction to Anatomy & Physiology

o Complete reading, activities, study guide questions, and quizzes.

? Unit 3: Cells and Tissues

o Complete reading, activities, study guide questions, and quizzes.

? Unit 4: The Integumentary System

oComplete reading, activities, study guide questions, and quizzes.

Study and Practice:

? Complete the Unit 2 and Unit 4 study guide questions.

? Re-read notes, quiz yourself using study questions, create mind-maps, flashcards, or other study tools, and contact course instructors with questions.

Week 2

SKELETAL AND MUSCULAR SYSTEMS

Main Focus:

? Unit 5: The Skeletal System

o Complete reading, activities, study guide questions, and quizzes.

? Unit 6: The Muscular System

o Complete reading, activities, study guide questions, and quizzes.

Study and Practice:

? Complete the Unit 5 and Unit 6 study guide questions.

? Re-read notes, quiz yourself using study questions, create mind-maps, flashcards, or other study tools, and contact course instructors with questions.

Week 3

NERVOUS AND SENSORY SYSTEMS

Main Focus:

? Unit 7: The Nervous System

o Complete reading, activities, study guide questions, and quizzes.

? Unit 8: The Sensory Systems

o Complete reading, activities, study guide questions, and quizzes.

Study and Practice:

? Complete the Unit 7 and Unit 8 study guide questions.

? Re-read notes, quiz yourself using study questions, create mind-maps, flashcards, or other study tools, and contact course instructors with questions.

Week 4

PERFORMANCE ASSESSMENT TASK 2

Main Focus:

? Review Unit 9: Task 2 Overview. Note that in this course Task 2 comes before Task 1.

? Download instructions to access McGraw Hill Reveal Cadaver Dissection tool.

? Review the Performance Assessment Task 2 instructions and evaluation rubric.

? Complete and submit Task 2 in Taskstream.

Week 5

ENDOCRINE AND LYMPHATIC SYSTEMS

Main Focus:

? Unit 10: The Endocrine System

o Complete reading, activities, study guide questions, and quizzes.

? Unit 11: The Lymphatic System

o Complete reading, activities, study guide questions, and quizzes.

Study and Practice:

? Complete the Unit 10 and Unit 11 study guide questions.

? Re-read notes, quiz yourself using study questions, create mind-maps, flashcards, or other study tools, and contact course instructors with questions.

Week 6

CARDIOVASCULAR AND RESPIRATORY

Main Focus:

? Unit 12: The Cardiovascular System

o Complete reading, activities, study guide questions, and quizzes.

? Unit 13: The Respiratory System

o Complete reading, activities, study guide questions, and quizzes.

Study and Practice:

? Complete the Unit 12 and Unit 13 study guide questions

? Re-read notes, quiz yourself using study questions, create mind-maps, flashcards, or other study tools, and contact course instructors with questions.

PERFORMANCE ASSESSMENT TASK 1

? Review Unit 14: Performance Assessment Task 1.

? Review the Performance Assessment Task 1 instructions and evaluation rubric.

? Complete and submit Task 1 in Taskstream.

Week 7

DIGESTIVE, RENAL, AND REPRODUCTIVE SYSTEMS

Main Focus:

? Unit 15: The Digestive System

o Complete reading, activities, study guide questions, and quizzes.

? Unit 16: The Renal System

o Complete reading, activities, study guide questions, and quizzes.

? Unit 17: The Reproductive System

o Complete reading, activities, study guide questions, and quizzes.

Study and Practice:

? Complete the Unit 15, Unit 16 and Unit 17 study guide questions.

? Re-read notes, quiz yourself using study questions, create mind-maps, flashcards, or other study tools, and contact course instructors with questions.

Week 8

OBJECTIVE ASSESSMENT

Main Focus:

? Review course materials to prepare for objective assessment.

? Take the pre-assessment, then contact the course instructor to prepare for the objective assessment. You are highly encouraged to take the pre-assessment now prior to the objective assessment, if you have not already or even if you have. There is value added in taking or retaking as the results can lead you in designing a study plan for successfully completing the objective assessment.

? Use the Coaching Report and the guidance of a mentor to target your studying.

Study Guide

The course instructors have created a study guide to guide your work in the course. While the study guide will help you practice important information, you should work through all of the activities listed in the course to gain competence.

Lock in Progress

Once you are ready to start or are actively working in this course of study, mark the activity below as complete. You only need to complete this step once.

Mark Complete to Lock in Course of Study Progress

Click the check mark above or below if you are actively engaged in this course.

Course Work

This information in this section will help you succeed in this course.

Fundamentals of Anatomy and Physiology

This topic addresses the following competency:

- **Competency 130.2.1: Directional Terms**
  The graduate applies appropriate terminology to communicate about body position and human anatomical features and relationships.

Acrobatiq Modules

- Module 1: Anatomical Toolbox
- Module 2: Homeostasis
- Module 3: Introduction to Systems
- Module 7: The Cell
- Module 8: Tissues

*Please note, students are not required to demonstrate competency on content covered within Modules 4-6.

Integumentary System

This topic addresses the following competency:

- **Competency 130.2.6: Muscular, Skeletal, and Integumentary Systems**
  The graduate analyzes the structures and functions of the human muscular, skeletal, and integumentary systems.

Acrobatiq Modules

- Module 41: Introduction to the Integumentary System
- Module 42: The Integumentary System Structures
- Module 43: Functions of the Integumentary System

Skeletal System

This topic addresses the following competency:

- **Competency 130.2.6: Muscular, Skeletal, and Integumentary Systems**
  The graduate analyzes the structures and functions of the human muscular, skeletal, and integumentary systems.

Acrobatiq Modules

- Module 12: Introduction to the Skeletal System
- Module 13: The Skeletal Systems Structures
- Module 14: Functions of the Skeletal System

Muscular System

This topic addresses the following competency:

- **Competency 130.2.6: Muscular, Skeletal, and Integumentary Systems**
  The graduate analyzes the structures and functions of the human muscular, skeletal, and integumentary systems.

Acrobatiq Modules

- Module 25: Introduction to the Muscular System
- Module 26: The Muscular System Structures
- Module 27: Functions of the Muscular System

Nervous System

This topic addresses the following competency:

- **Competency 130.2.4: Nervous System**
  The graduate analyzes the structure and function of the human nervous system.

Acrobatiq Modules

- Module 18: Introduction to the Nervous System
- Module 19: Cells of the Nervous System
- Module 20: The Central Nervous System
- Module 21: The Peripheral Nervous System

Sensory Systems

This topic addresses the following competency:

- **Competency 130.2.4: Nervous System**
  The graduate analyzes the structure and function of the human nervous system.

Acrobatiq Modules

- Module 31: Sensory Nerves
- Module 32: Vision
- Module 33: Hearing
- Module 34: Taste and Smell

Lymphatic and Endocrine System

This topic addresses the following competency:

- **Competency 130.2.7: Lymphatic and Endocrine Systems**
  The graduate analyzes the structure and function of the human lymphatic and endocrine systems.

Acrobatiq Modules

- Module 22: Introduction to the Lymphatic and Immune System
- Module 23: The lymphatic and Immune System Structures
- Module 24: Functions of the Lymphatic System
- Module 44: Introduction to the Endocrine System
- Module 45: The Endocrine System Structures
- Module 46: Functions of the Endocrine System

Cardiovascular and Respiratory System

This topic addresses the following competency:

- **Competency 130.2.2: Cardiovascular and Respiratory**
  The graduate analyzes the structure and function of human cardiovascular and respiratory systems.

Acrobatiq Modules

- Module 28: Introduction to the Cardiovascular System
- Module 29: Cardiovascular System Structures
- Module 30: Functions of the Cardiovascular System
- Module 38: Introduction to the Respiratory System

- Module 39: The Respiratory System Structures
- Module 40: Functions of the Respiratory System

Digestive System

This topic addresses the following competency:

- **Competency 130.2.5: Digestive System**
  The graduate analyzes the structure and function of the human digestive system.

Acrobatiq Modules

- Module 9: Introduction to the Digestive System
- Module 10: The Digestive System Structures
- Module 11: Functions of the Digestive System

Renal System

This topic addresses the following competency:

- **Competency 130.2.3: Renal and Reproductive Systems**
  The graduate analyzes the structure and function of the human renal and reproductive system.

Acrobatiq Modules

- Module 15: Introduction to the Renal System
- Module 16: Renal System Structures
- Module 17: Functions of the Renal System

Reproductive System

This topic addresses the following competency:

- **Competency 130.2.3: Renal and Reproductive Systems**
  The graduate analyzes the structure and function of the human renal and reproductive system.

Acrobatiq Modules

- Module 35: Introduction to the Reproductive System
- Module 36: The Male Reproductive System
- Module 37: The Female Reproductive System

Assessment Prep

Review the information below before taking your assessment.

Objective Assessment

If you have a background in Anatomy and Physiology, we recommend taking the preassessment prior to doing any coursework. This will allow you to focus on the most important material.

If you do not have a background in Anatomy and Physiology, we recommend completing the study questions, in your own words, before taking the preassessment. Use the suggested

Acrobatiq modules to complete the study questions.

If you score 10 points higher than the cut score, we recommend scheduling the objective assessment. If you do not score 10 points higher than the cut, please email the Course Instructors at anatomy@wgu.edu for a customized study plan.

We recommend completing the objective assessment portion before completing the tasks. The two tasks pull together information from multiple body systems. Therefore, having a firm background in the body systems will help you complete the tasks most efficiently.

Performance Assessment

- To complete Tasks 1 and 2, you will use the cadaver dissection tool, described in the learning resources section.
- Before attempting task 1, review the cardiovascular and respiratory topics.
- Before attempting task 2, review the nervous, skeletal, and muscle topics.

Competency in this course is evaluated using a Performance Assessment. All performance assessments have an associated rubric that describes expectations of your work. Watch this short, fun video to learn how to effectively use a rubric to ensure your success.

Note: To download this video, right-click the following link and choose "Save as...": download video.

Policies

Please review these important policies:

Accessibility Policy

Western Governors University recognizes and fulfills its obligations under the Americans with Disabilities Act of 1990 (ADA), the Rehabilitation Act of 1973 and similar state laws. Western Governors University is committed to provide reasonable accommodation(s) to qualified disabled learners in University programs and activities as is required by applicable law(s). The Office of Student Accessibility Services serves as the principal point of contact for students seeking accommodations and can be contacted at ADASupport@wgu.edu.

Netiquette

Netiquette Guidelines

Online Netiquette: Guidelines for WGU Students These guidelines are a quick reference source for interacting with fellow students, mentors, and WGU staff. While these guidelines adhere to the standards outlined in the WGU Student Handbook, they are not meant as a replacement for the explicit information presented in the handbook.

Be professional and respectful:

- Be civil and kind in your interactions with others.
- Respond to important emails sent to you.

- Be cautious when using ALL CAPS (yelling), sarcasm, and humor and when posting content (pictures, comments)
- Avoid forwarding spam or selling anything.
- Keep comments related to the topic.
- Be aware that mentors, students, and others live in different time zones.

Be short, concise, and readable:

- Use sans serif fonts (e.g., Arial, Helvetica) with a point size of 12 or higher.
- Use acronyms cautiously. For example, common acronyms such as FAQ and RSVP are fine; however, unknown acronyms like UCET or USOE should be spelled out.

Be credible:

- Cite references and sources such as web links, articles, books, etc., when possible.
- Re-read your emails to clarify and ensure it sends the intended “message.”

Be safe:

- Keep personal information private to avoid identity fraud.
- Keep other’s information private (WGU students, companies, etc.)