

uCertify

Course Outline

Anatomy Essentials



20 May 2024

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1. Course Objective

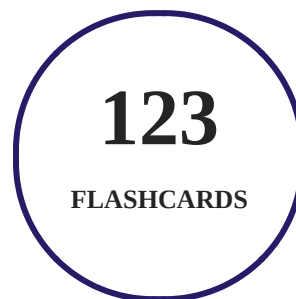
The Anatomy Essentials course helps you discover the wonders of organs, systems and how they work together to keep us alive. From the heartbeat to the complexities of the nervous system. Learn important medical terms, unravel the secrets of bones and muscles, and gain a deeper insight into the amazing workings of our bodies. This course is designed to make learning fun and engaging.

2. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

3. flashcards

Flashcards are effective memory-aiding tools that help you learn complex topics easily. The flashcard will help you in memorizing definitions, terminologies, key concepts, and more. There is no limit to the number of times learners can attempt these. Flashcards help master the key concepts.



4. Glossary of terms

uCertify provides detailed explanations of concepts relevant to the course through Glossary. It contains a list of frequently used terminologies along with its detailed explanation. Glossary defines the key terms.



5. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

6. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

7. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

8. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**

1. Best Postsecondary Learning Solution

- **2015**

1. Best Education Solution
2. Best Virtual Learning Solution
3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**

1. Best Virtual Learning Solution
2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution

6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

- **2019**

1. Best Virtual Learning Solution
2. Best Content Authoring Development or Curation Solution
3. Best Higher Education Learning Management Solution (LMS)

- **2020**

1. Best College and Career Readiness Solution
2. Best Cross-Curricular Solution
3. Best Virtual Learning Solution

9. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

Syllabus

Chapter 1: Introduction

- About This Course
- Conventions Used in This Course
- Icons Used in This Course
- Where to Go from Here

Chapter 2: Focusing on the Framework of Anatomy and Physiology

- Looking at the Science of Anatomy and Physiology
- Familiarizing Yourself with Anatomical Jargon
- Arranging Organisms by Levels of Organization
- Metabolism: Keeping Body Processes in Motion
- Balancing Bodily Reactions with Homeostasis

Chapter 3: Examining Cell Biology Basics

- How Cells Spend Their Time
- Exploring Eukaryotic Cells
- Macromolecules, the Building Blocks of Life

- Discovering How Genetic Material Makes You Who You Are
- Cycling through Life, Cell-Style
- Forming Tissues from Cells

Chapter 4: Scoping Out the Body's Structural Layers

- The Skinny on Your Skeleton
- The 411 on the Muscular System
- An Introduction to the Integument

Chapter 5: Getting to the Heart of the Circulatory System

- Analyzing the Cardiac Anatomy
- Meet Your Blood Vessels
- Discovering What's in Your Blood
- Focusing on the Physiology of Circulation

Chapter 6: Taking a Deep Breath with the Respiratory System

- Surveying the Duties of the Respiratory System
- Nosing around Your Respiratory Anatomy
- Discovering the Ins and Outs of Breathing

Chapter 7: Getting on Track with the Digestive System

- Your Digestive System in a Nutshell
- Moving through the Structures of the Digestive Tract
- Doing the Chemical Breakdown

Chapter 8: Passing through the Urinary System

- Running Down the Urinary System's Responsibilities
- Surveying the Structures of the Urinary System
- The Yellow River
- Maintaining Homeostasis

Chapter 9: Making Babies: The Reproductive System

- Surveying the Functions of the Reproductive System
- Making Gametes
- The Egg-citing Female Reproductive System
- Furthering Fertilization: The Male Reproductive System
- Pausing for Pregnancy

Chapter 10: Exploring the Nervous, Endocrine, and Immune Systems

- Controlling It All: The Nervous System
- Sending Messages Chemical-Style with the Endocrine System
- Defending Your “Self” with the Immune System

Chapter 11: Ten Phabulous Physiology Phacts

- Only Humans Have Opposable Thumbs
- Human Milk Is the Best Milk
- You’re (Surprisingly) as Hairy as a Gorilla
- You Can Process Fear and Emotion
- You Smell Like You See
- Your Mouth Is More Efficient Than a Chimp’s
- Millions of Microbes Owe You Their Lives
- Oxygen Can be Dangerous
- You Can Control Your Breathing but Fido Can’t
- Hemoglobin Dominates Your Red Blood Cells

10. Practice Test

Here's what you get

Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

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