

9-2020

Utilizing on-line, interactive, adaptive technology in nursing education

Zilola Khashimova

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Utilizing on-line, interactive, adaptive technology in nursing education

Zilola Khashimova, MD, MBA, SP

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Transferring Course to Online Format

What are Online Tools?

How To Build Online Course From Scratch?

How Does It Work?

Q&A

What are Online Tools?

- **E-Books**
- **Publisher Provided Materials**
- **Interactive Labs**
- **Case Studies**
- **Interactive Dissection Tools**
- **Q-Banks**
- **PowerPoints**
- **Videos, Imaging**
- **Interactive Games**

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Anatomage

PRODUCTS

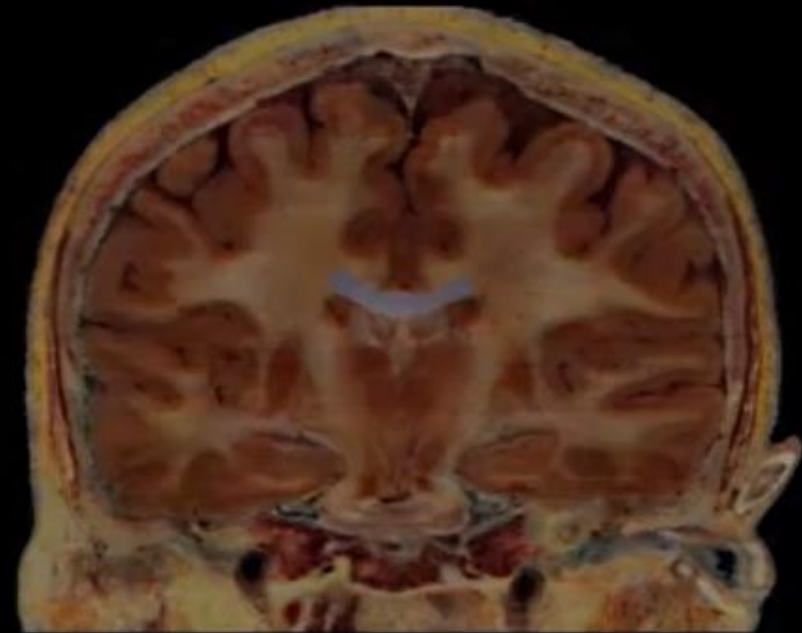
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VanPutte, 12e

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Practice Atlas for Anatomy & Physiology,



A&_P Fall 2021

Registration info: 05/01/20 - 06/30/20



A&P



Anatomy & Physiology: The Unity of Form and Function (SmartBook)

Saladin, 8e

• LearnSmart • LearnSmart Prep

Also includes:

Saladin, Anatomy and Physiology: The Unity of Form and Function, 8e (eBook),



Connect

Practice Atlas for Anatomy & Physiology,

Spring 2019

Registration info: 02/23/19 - 07/08/19



A &P DUC



Anatomy, Physiology, Disease: Foundations for the Health Professions (SmartBook)

Roiger, 2e

• LearnSmart • LearnSmart Prep

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Spring 2019

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Spring -Summer 2020



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Performance ▾

« My courses | Switch sections

section overview

Instructor view

Student view



no messages to show












no assignments to grade

Assignments

+ Add Assignment



Title	Shared	Info	Start-due	Show/hide
 Chapter 3. The Integumentary System	<input type="checkbox"/>		01/13/20- 01/19/20	 <input type="checkbox"/>
 Dermatology Quiz	<input type="checkbox"/>		01/13/20- 01/19/20	 <input type="checkbox"/>
 Chapter 12. The Respiratory System	<input type="checkbox"/>		01/19/20- 02/02/20	 <input type="checkbox"/>

Section info



Instructor

Zilola KhashimovaAdd your photo, email address,
office hours

Sections and colleagues



eBook

Anatomy, Physiology,
Disease: Foundations
for the Health
Professions
(SmartBook)

Deborah Roiger, 2e



Roiger, Anatomy,



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ANATOMY AND PHYSIOLOGY

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Spring -Summer 2020



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Build a better course with these resources

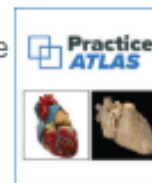
eBook



Anatomy, Physiology, Disease: Foundations for the Health Professions (SmartBook)
Deborah Roiger, 2e



Roiger, Anatomy, Physiology, & Disease, 2e (eBook)



Practice Atlas for Anatomy & Physiology



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Test Bank

(See related pages)

McGraw-Hill Education provides you with multiple options for creating and giving your tests:

TestGen® For Mac and Windows

- Cross-platform software compatibility with Windows and Mac
- Multiple LMS export formats, including Blackboard, Moodle, Desire2Learn, and Sakai
- Highly customizable formatting and editing options

Test Bank files - [Roiger APD 2e TestGen Files \(2143.0K\)](#)

Instructor Quick Start Guide - [TestGen Instructor Quick Start Guide](#)

Software Download for Windows - [TestGen for Windows](#)

Software Download for Mac - [TestGen for Mac](#)

Test Bank (Word). Here are the test bank questions delivered as Word files for maximum ease in use. The test bank word files can be downloaded below:

[Roiger APD 2e Word Files \(793.0K\)](#)

After downloading this compressed (zip) file to your system, extract its contents by following the Extraction/WinZip Wizard.

Pre-made PowerPoints

Notes Search Preferences

Accessible Lecture PPTs

Accessibility is becoming even more important in the education marketplace. Students and instructors with disabilities use many different assistive technologies, and McGraw-Hill Education is committed to providing learning outcomes, but also serve the institutions that are teaching these students. Accessible PowerPoint allows slide content to be read by a screen reader and provides alternative text descriptions. It is designed with high-contrast color palettes and uses texture when possible, instead of color to denote different aspects of the imagery used within the slide.

A note on reviewing slides for accessibility: PowerPoint's Accessibility Checker can sometimes misleadingly flag items as errors that are done properly based on accessibility guidelines. See the document [McGraw-Hill PowerPoints \(43.0K\)](#).

Chapter	Flexart PPTs (includes linear, tables & photos with moveable labels and leader lines)	*Accessible Lecture PPTs (Lecture outlines tagged for screen readers.)	MP4 Animations/Videos (MP4-format, noncaptioned, zipped files for download and use without PowerPoint)	Image PPTs (Images from the text placed into PowerPoint. All art, tables and photos included.)	Labels as text
Chapter 01	Ch01 FlexArt PPT	Ch01 Accessible Lecture PPT	Ch01 Animations	Ch01 Image PPT	
Chapter 02	Ch02 FlexArt PPT	Ch02 Part 1 Accessible Lecture PPT Ch02 Part 2 Accessible Lecture PPT Ch02 Part 3 Accessible Lecture PPT	Ch02 Animations	Ch02 Image PPT	
Chapter 03	Ch03 FlexArt PPT	Ch03 Accessible Lecture PPT	No Animations for this chapter.	Ch03 Image PPT	
Chapter 04	Ch04 FlexArt PPT	Ch04 Accessible Lecture PPT Ch04 Part 2 Accessible Lecture PPT	Ch04 Animations	Ch04 Image PPT	
Chapter 05	Ch05 FlexArt PPT	Ch05 Accessible Lecture PPT	Ch05 Animations	Ch05 Image PPT	
Chapter 06		Ch06 Accessible Lecture PPT			

Case Studies



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Home > **Case Study Answers**

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Case Study Answers

(See related pages)

 [Answers to Female Body Case Studies \(53.0K\)](#)

 [Answers to Male Body Case Studies \(57.0K\)](#)

To learn more about the book this website supports, please visit its [Information Center](#).

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A&P Reveal

APR my MODULE : Select module

my Course Content Module

Anatomy & Physiology Revealed[®] 4.0

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Need help?

Edit my Course Content

Dissection Tools

APR my MODULE : 6. Muscular

my Course Content All Content

Structure information

VIEW : Anterior

- ✓ Buccinator m.
- ✓ Depressor anguli oris m.
- ✓ Depressor labii inferioris m.
- ✓ Frontalis m.
- ✓ Levator labii superioris alaeque nasi m.
- ✓ Levator labii superioris m.
- ✓ Nasalis m.

LAYER 1 LAYER 2 LAYER 3 LAYER 4 LAYER 5 LAYER 6

100% 0%

SKIN SKELETON

3D anatomical model of a human face showing facial muscles. The Depressor labii inferioris muscle is highlighted in purple.

Quizzes

The screenshot shows a user interface for an online learning platform. At the top left, the logo "APR" is visible. Below it, a green tab labeled "my" is active, and the text "MODULE : 6. Muscular" is displayed. A navigation bar contains icons for a pencil, a person, a play button, a refresh button, and a checkmark. A search bar is located on the right side of the navigation bar. On the left side, there are two tabs: "my Course Content" (active) and "All Content". Below the tabs, a dropdown menu shows "TOPIC : Select quiz topic". The main content area features a large anatomical illustration of a human head in profile, showing the muscles of the face and neck. To the left of this illustration, the text "MODULE : MUSCULAR" is displayed in large white letters, and "STUDY AREA : QUIZ" is displayed below it. A yellow button labeled "Select topic" is positioned above the text. At the bottom of the main content area, there are three smaller anatomical images: a hand showing the muscles of the fingers, a back showing the muscles of the spine, and a shoulder showing the muscles of the arm.

APR my MODULE : 6. Muscular





































my Course Content All Content

TOPIC : Select quiz topic

Select topic

MODULE :
MUSCULAR

STUDY AREA :
QUIZ

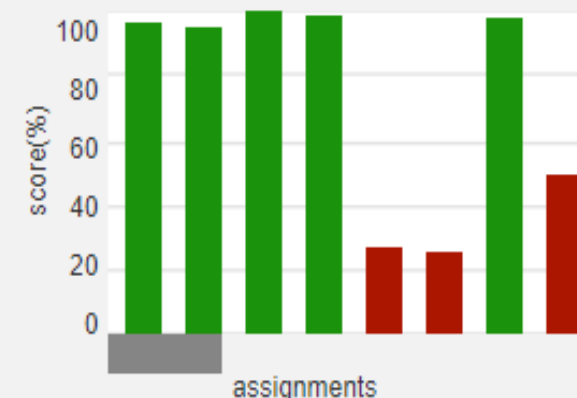
	Chapter 9. The Cardiovascular System—Blood		02/26/20-03/31/20		
	Hematology Quiz		02/26/20-03/08/20		
	Hematology Quiz 2		03/01/20-03/08/20		
	Chapter 10. The Cardiovascular System—Heart and Vessels		02/26/20-04/05/20		
	Cardiology Quiz		03/16/20-04/04/20		
	A & P Reveal Cardiology		03/16/20-04/04/20		
	Chapter 13. The Digestive System		04/04/20-04/25/20		
	Digestive Quiz		04/04/20-04/25/20		
	Digestive A&P Reveal		04/04/20-04/25/20		

my course resources



Section performance

89.93 %* Section average for 34 assignment(s)



*As of 09/09/2020 08:09 PM -07:00

Learn Smart- Self Assessment Tools

☰ Zilola Khashimova

Type here... 🔍

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Assignments Self Study

A&P - Anatomy, Physiology, & Disease - Roiger & Bullock, 2e

3	The Integumentary System	Due: 20 Jan 2020	0 %	Past Due	➤
4	The Skeletal System	Due: 11 Jul 2020	0 %	Past Due	➤
5	The Muscular System	Due: 11 Jul 2020	0 %	Past Due	➤
6	The Nervous System	Due: 24 Jun 2020	0 %	Past Due	➤
7	The Nervous System—Senses	Due: 2 Feb 2020	0 %	Past Due	➤
8	The Endocrine System	Due: 8 May 2020	0 %	Past Due	➤
9	The Cardiovascular System—Blood	Due: 31 Mar 2020	0 %	Past Due	➤
10	The Cardiovascular System—Heart and Vessels	Due: 5 Apr 2020	0 %	Past Due	➤
12	The Respiratory System			Multiple Assignments	➤
13	The Digestive System	Due: 25 Apr 2020	0 %	Past Due	➤
14	The Excretory/ Urinary System	Due: 29 May 2020	0 %	Past Due	➤

PREP

☰ Zilola Khashimova

Self-study

Recharge

Library

Reports

Topic Scores

Missed Questions

Most Challenging LOs

Self-Assessment

← Leave Assignment



Topic Scores



View the modules and sections you struggled with the most. You can look up each challenging section for more study.



Missed Questions



View frequently missed questions. You can practice questions you recently got wrong.



Most Challenging Learning Objectives



View the learning objectives that are the hardest for you. You can look these up in your book in order to study them further.



Self-Assessment



View how aware you were of whether or not you knew the answers. This awareness can help you study more effectively.































Tree of Knowledge




Watch your tree grow as you learn.

Pre-Recorded Lectures

	Endocrine Quiz		04/27/20-05/08/20		<input type="checkbox"/>
	A & P Reveal Endocrine		04/27/20-05/08/20		<input type="checkbox"/>
	Chapter 14. The Excretory/ Urinary System		05/18/20-05/29/20		<input type="checkbox"/>
	Urology Quiz		05/18/20-05/29/20		<input type="checkbox"/>
	Urology A&P Reveal		05/18/20-05/29/20		<input type="checkbox"/>
	Chapter 16. The Female Reproductive System		06/01/20-06/12/20		<input type="checkbox"/>
	Reproductive System Quiz		06/01/20-06/12/20		<input type="checkbox"/>
	A & P Reveal Quiz Reproductive		06/01/20-06/12/20		<input type="checkbox"/>
	Chapter 6. The Nervous System		06/13/20-06/24/20		<input type="checkbox"/>

 Enter student's name here

[view gradebook sync list](#) 


▼ your recorded lectures



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You have not yet added any bookmarks. Click the  icon to add bookmarks for your students to see.

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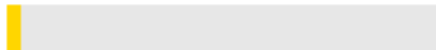
Dermatology Quiz

(10 questions, 100.00 points)

[student activity](#)[preview](#)[policies](#)[message history](#)[assignment options](#)[student assignment view](#)

student progress

1 student(s) not started



28 student(s) submitted



reports

[Assignment Results](#)

View and edit graded submissions, and see all student scores in high, medium and low ranges.

You have

0

students to grade

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(See related pages)

[How Do Oxygen and Carbon Dioxide Move Between the Cells and the Atmosphere?](#)[The Specific Events of Neuron Physiology](#)[Skeletal Muscle Contraction: From the Neuromuscular Junction to the Sarcomere](#)[Passive and Active Processes of Membrane Transport](#)[Glomerular Filtration and Its Regulation](#)[Tubular Reabsorption & Tubular Secretion](#)[Changes Associated with a Cardiac Cycle](#)[Innate Immunity](#)[Adaptive Immunity](#)[Blood Pressure](#)[Endocrine Hormone Production & Action](#)

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Interactive Case Studies and the Human Bodies

Interactive Case Studies and the Human Body

- [The Female Body](#) - Case Studies 1-10
- [The Male Body](#) - Case Studies 11-20

These case studies are designed to provide opportunities for integrative thinking and problem solving for undergraduate students in anatomy and physiology.

Follow these guidelines:

1. Click on the female or male body image to enter the case study program.
2. Click on any of the ten labels to begin the case study.
3. Read the appropriate case study and accompanying questions.
4. Define all appropriate terms.
5. Compare recorded values to normal values and note whether the recorded values are greater or less than normal.
6. Review the physiologic facts in your text pertaining to this case study.
7. Use a medical dictionary or the glossary in your text to clarify words or concepts you may not be familiar with.
8. Apply these physiologic facts to make your "diagnosis" and to answer the accompanying questions.
9. Realize that you may have to *think for some time* before being able to put all the pieces together. Some of the answers are *not immediately obvious* but they are within your grasp.
10. You may submit answers to your instructor by following the on-screen instructions. Answers to these case studies are located in the *Instructor Online Learning Center* for the text. Please consult with your instructor to review the case study answers.

Have a good time doing this!

Cross-Sectional Atlas

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Cross-sectional Mini Atlas

(See related pages)

Cross Sectional Mini-Atlas

 [Cross-Sectional Mini Atlas \(1284.0K\)](#)

 [MiniAtlas \(3549.0K\)](#)

Note: The above files are in pdf format (portable document format) which allows them to be viewed and navigated from any PC or Mac. If your browser does not already include the Adobe Acrobat Reader 4.0, you can download it free [here](#). Then follow the instructions in the downloaded file to install it as a plug-in.

Unlabeled Images (PowerPoint®)

 [Cadaver Cross Sections.ppt \(9312.0K\)](#)

 [CT/MRI Images.ppt \(3254.0K\)](#)

 [Pathologies.ppt \(1128.0K\)](#)

Mini-Atlas Credits

Philip Tate, Instructor of Anatomy and Physiology, Phoenix College

James Kennedy, Instructor of Anatomy and Physiology, Phoenix College

John Lampigano, Instructor of Cross-Sectional Anatomy, Gateway Community College

Cadaver Sections Provided by Grant Dahmer, Director of Willied Body Programs, Biotechnology Specialist (ISP), Department of Cell Biology and Anatomy, University of Arizona College of Medicine

Virtual Labs

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Virtual Labs Documentation

Helpful Information for Instructors

This document was designed for instructors assigning Connect Virtual Labs in their courses.

 [Connect Virtual Labs Instructor How to Guide \(2948.0K\)](#)

This Implementation Guide was created to provide Learning Objectives for the simulations, a suggested order of assignment for simulations, and more. This document will be updated as simulations are updated and added.

 [Implementation Guide \(11668.0K\)](#)

Helpful Information for Students

This document was designed for instructors assigning Connect Virtual Labs in their course to share with students.

 [Student Information for Connect Virtual Labs \(4215.0K\)](#)


Simulation Pop-up Questions


The following document contains screenshots of all the pop-up questions in Virtual Labs simulations. This is intended for instructor reference only.

 [Virtual Lab Pop-up Questions \(6897.0K\)](#)

Pre-Lab PDFs

The following PDFs can be shared with students as pre-lab learning ahead of completing the simulation(s). These are useful resources to accompany the assignable questions in Connect that are tagged as pre-lab.

 [Blood \(1737.0K\)](#)

 [Cardiovascular Physiology \(691.0K\)](#)



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Question Bank

Create an assignment from end-of-chapter questions, test bank or your own question banks.



Adaptive Learning Assignment

Create an assignment providing a learning experience that adapts to the unique needs of each learner through ongoing formative assessment, feedback, and learning resources.



Virtual Labs

Assign a virtual lab simulation that can be used to prepare students for lab or replace an in-person lab.



LearnSmart

Improve comprehension and boost retention using LearnSmart study modules.



LearnSmart Prep

These adaptive modules aid in learning the topics needed to be successful in your course. Time spent on topics varies based on needs.



Zilola Khashimova

Add your photo, email address, office hours



Sections and colleagues



eBook

Anatomy, Physiology, Disease: Foundations for the Health Professions (SmartBook)

Deborah Roiger, 2e



Roiger, Anatomy, Physiology, & Disease, 2e (eBook)



Practice Atlas for Anatomy & Physiology

Section web address:

If you are pairing with an LMS, do not use the section web address. Click [here](#) for further instructions for your students.

<https://connect.mheducation.com/class/z-kr>

[Upload syllabus](#)



Virtual Labs

Assign a virtual lab simulation that can be used to prepare students for lab or replace an in-person lab.



LearnSmart

Improve comprehension and boost retention using LearnSmart study modules.



LearnSmart Prep

These adaptive modules aid in learning the topics needed to be successful in your course. Time spent on topics varies based on needs.



file attachment assignment

Create a manually graded assignment that your students can respond to with an attached file (Word documents, Excel spreadsheets, etc.).



web activity

Create an activity with your instructions and web links.

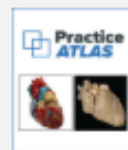
Assign web links to students right from your browser

Drag this button to the bookmarks bar on your browser to assign web readings, videos or other activities in one quick click.

[? see how it works](#)



Ruiger, *Anatomy, Physiology, & Disease, 2e (eBook)*



Practice Atlas for Anatomy & Physiology

Section web address:

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cadaver dissection tool
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my course resources



QUESTIONS ??????

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drzilola@gmail.com