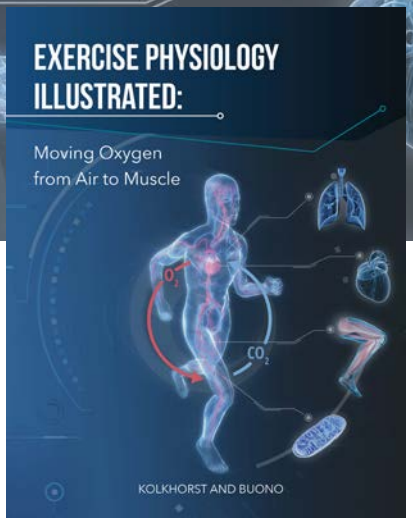
PERCEIVANT

Exercise Physiology Illustrated:

Moving Oxygen from Air to Muscle



Oxygen is one of the keys of life, and when we exercise, it is required at higher rates. *Exercise Physiology Illustrated: Moving Oxygen from Air to Muscle* focuses on this theme as it follows the path of oxygen from respiration in the lungs, to transport by the cardiovascular system throughout the body, to utilization by exercising muscle to produce movement.

Exercise Physiology Illustrated takes an integrative approach in describing the pathways of oxygen throughout the body. The discussions and figures describe and explain in a coherent manner how physiological systems work together to produce movement.

Authors:
Fred W. Kolkhorst, PhD
Michael J. Buono, PhD

Why Instructors Love It:

ACTIVE LEARNING

Make learning efficient. Enable students to be more successful with our active learning approach to course and content design.

SIMPLE SETUP

Make teaching easier. Pre-built modules can be used as-is or customized to align with course goals. Streamline course start-up with our course implementation specialists.

EASE OF USE

Maximize your time. Manage multiple course sections easily. Auto-graded components will reduce grading time, so you can increase teaching time.

REAL-TIME VISIBILITY

Early intervention, early success. Data analytics provide visibility regarding course engagement, progress, and success.

SUPPORTING MATERIALS

A library of content at your fingertips. PowerPoint presentations, quiz banks, interactive online chapters, self-assessments, assignments—carefully curated and professor approved.

EDUCATIONAL DESIGN

Make it yours. We supply editorial and educational design support for new course materials. Focus on the content, we'll do the rest.

Exercise Physiology Illustrated

MODULES

Chapter 1:
Getting Started in Physiology of Exercise

Chapter 2:
Neural Control of Skeletal Muscle

Chapter 3:
The Respiratory System: Getting Oxygen from Air to Blood

Chapter 4:
The Heart: Moving Oxygen and Blood

Chapter 5:
The Circulatory System and Its Responses to Exercise

Chapter 6:
Skeletal Muscle Structure and Function

Chapter 7:
Bioenergetics: How Muscle Uses Oxygen

Chapter 8:
Energy Metabolism: Using Oxygen During Exercise

Chapter 9:
Ventilatory Responses to Exercise

Chapter 10:
Environmental Effects on Exercise Performance

Chapter 11:
Fatigue and Exercise Intolerance

Chapter 12:
Dietary Supplements and Athletic Performance

We help you create a **SUCCESSFUL** learning environment for both the **INSTRUCTOR** and the **STUDENTS.**

Why Students Love It:

> Enagaging activities

> Visual reminders make assignments, points, and due dates clear

> Mobile and tablet responsive

> Straightforward user interface that saves time and effort to make learning easier

> Help that is always a click away

Questions? Ready to take the first step?
contact us at learnmore@perceivant.com

Learn Well. Live Well.

www.perceivant.com

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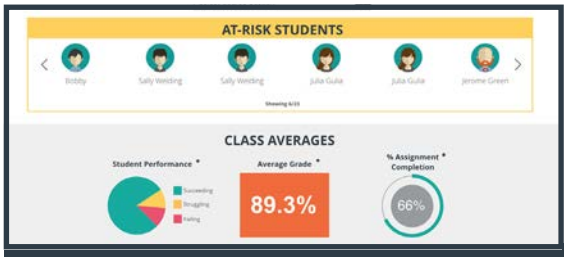
Additional Course Benefits

ACTIVE AND AUTHENTIC LEARNING

- Written and designed with student learning in mind.
- Learning outcomes are defined to prepare and help students connect learning in various contexts
- Sequenced e-text activities improves reading comprehension gaps and fosters deeper learning
- Multiple forms of assessment activities are embedded to connect curriculum to higher learning
- Key physiological concepts and terminology are explained in each chapter



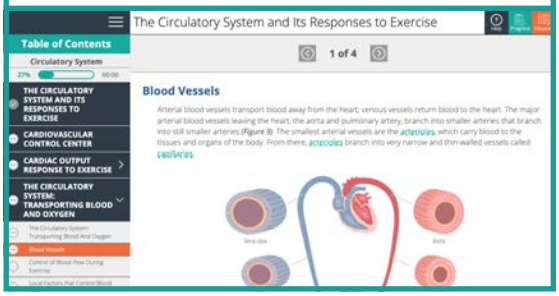
INSTRUCTOR DASHBOARD

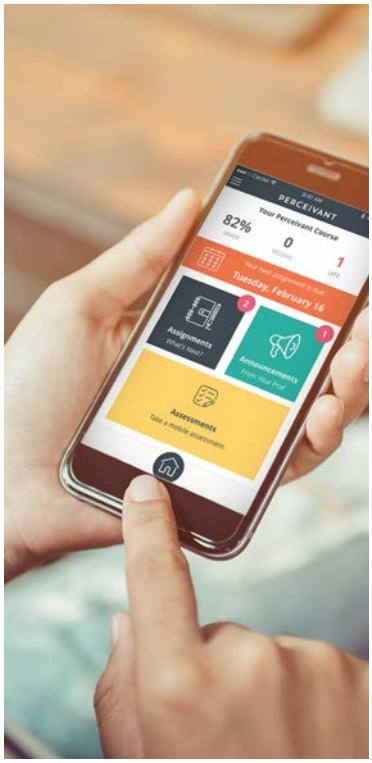
- Useful analytics displaying student participation, progress, and success
- Easily identify of "at risk" students based on activity, performance, and behavior
- Visibility allows for early intervention, supporting a reduction in course DFWI rates

>> More Information

BUILT WITH STUDENTS IN MIND

- Relevant and applicable content for a better and informed future
- Academic and research skills threaded throughout the text and activities
- Completely digital, interactive, and consistent learning experience for students
- Engaging activities proven to increase student success, engagement and retention





DIGITAL COURSE DESIGN

- Pre-built modules can be used as-is or easily edited, making teaching easier
- Author-developed PowerPoint presentations, quiz banks, and interactive online chapter activities
- A diverse range of self-assessments, discussions, reflections, and assignments that are instructor tested and will keep students engaged

COURSE EXTRAS

- Colorful PowerPoint slides that include teaching notes
- Integrative approach in describing the pathways of oxygen throughout the body.
- Various features, such as *Clinical Applications*, *Research Highlights*, and *Sport Applications*, are interspersed throughout the book to clarify and illuminate the discussions.

STREAMLINED INTERACTIVE PLATFORM

- New, smooth, and efficient technology designed to capture student progress, engagement, and assimilation of course material
- Single sign-on that integrates with many existing LMSs
- Responsive helpdesk and technology support that is only a click away
- Desktop, tablet, and **mobile-friendly** interface

>> More Information

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