

**Course Title:** Cardiopulmonary 101 – Cardiopulmonary Anatomy

**Course Description:** Cardiopulmonary 101, Cardiopulmonary Anatomy, is a 2-hour course designed for the beginning to intermediate clinician in need of a review or comprehensive introduction into the anatomy of the cardiopulmonary system. A detailed understanding of the anatomy of the heart and lungs and how they work synergistically together is essential to the practice of cardiopulmonary rehabilitation. This course will review the cardiopulmonary anatomy including skeletal features of the thoracic cavity, muscles of respiration, anatomy of the tracheobronchial tree, lung parenchyma, anatomy of the heart and peripheral, pulmonary and lymphatic circulations. Cardiopulmonary education is essential for the clinician because breathing is fundamental to movement and purposeful activity.

**Target Audience:** OT / OTA and other healthcare professionals

**Course Type:** Video vs. Text-based

**Educational Level:** Beginner, Intermediate, Advanced

**CE Hours:** 2 contact hour / .2 ceu

**Course Prerequisites:** None

**Course Author / Instructor:** Frownfelter, PT, DPT, MA CCS, RRT, FCCP and Dean, PhD, PT / Brown, MS, OTR/L, CHT

**Learning Objectives:**

- Discuss the classification of the cardiopulmonary unit
- Describe the thorax and its movements
- List respiratory muscles and their functions
- Describe the pathway for the flow of oxygen from the atmosphere to the alveolar capillary membrane
- Outline the flow of blood from the periphery through the heart to the pulmonary and peripheral circulations
- Explain the lymphatic system
- Discriminate the clinical implications between the lungs and heart

**Agenda:**

**Hour #1**

Introduction

Thorax

Movement of the Thorax

Muscles of Respiration

Inspiration

Expiration

Upper Airways  
Lower Airways

### **Hour #2**

Lungs  
Heart  
Heart Valves  
Systemic Circulation  
Pulmonary Circulation  
Lymphatic Circulation  
Summary

### **Course Completion Requirements:**

A passing score of 100% is required for course completion. You will have as many attempts as needed until your passing score of 100% is achieved. Upon successful completion of course and completing a satisfaction survey, you will receive your certificate of completion.

### **Additional Course Information**

**Course Registration:** Register for Free at [www.OnlineCE.com](http://www.OnlineCE.com). Once registered, you can begin to purchase courses. Contact [info@onlinece.com](mailto:info@onlinece.com) for special needs requests and assistance.

**Refund Policy:** There will be no refunds for courses taken at OnlineCE.com or monies deposited into My CE Bank. Any money on account will be used for taking future courses. If you start a course in error, or if you are dissatisfied with a course, please contact us in the first part of the course and we will void the course and you can select a replacement course.

**Cancellation Policy:** Only available courses are offered online and on-demand and available for purchase. No registration fees are collected for courses that are not provided on-demand. Due to the online and on demand format, courses are not cancelled.

**Course Date and Location:** This is an independent course that is available 24/7 on-demand at [www.OnlineCE.com](http://www.OnlineCE.com).

**Required Materials and Equipment:** Courses offered on OnlineCE.com can be accessed on any type of computer or device. No special software is required but we do recommend the use of the Chrome Browser (recommended, not required). All course materials are contained within the courses and no prerequisites are required.



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