

RESC 3720L - Mechanical Ventilation 1 Lab

Fall 2026 Syllabus, Section 02, CRN 42053,

Credit hours: 1

Instructor

Mudalaleh Salman

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Public Instructor Information

Instructor Title: Mudalaleh Salman, RRT, MHHS

Instructor Professional Qualifications: Master of Health and Human Services: Youngstown State 2020; Bachelor of Science in Respiratory Care: Youngstown State 2016

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Course Description

3720L. Mechanical Ventilation 1 Lab. Basic theory and application of mechanical ventilation in critical care areas. Three hours lab. Prereq.: Acceptance into the Respiratory Care Program. Coreq.: RESC 3720. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Mechanical Ventilation. Physiological and Clinical Applications, 7th Edition	Cairo, J.M. Pilbeams	9780323551274
Required	Workbook for Mechanical Ventilation. Physiological and Clinical Applications, 7th Edition	Cairo, J.M. Pilbeams	9780323551267

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Wed	8/26	Chpt. 2 and 3 Cairo	How Ventilators Work How each Breath is Delivered	
Wed	9/2		Lab Practice	
Wed	9/9	Chpt. 8 and 9 Cairo	Monitoring MV Initial Patient Assessment Graphics/Waveforms	
Wed	9/16		Lab Practice	
Wed	9/23	Chpt. 10, 12 Cairo	Therapeutic Interventions Correcting/ Improving Ventilation Airway Clearance Management Techniques and Therapies in Ventilated Patients	
Wed	9/30		Lab Check Off	Comp 1- Vent Setup
Wed	10/7		Lab Practice	
Wed	10/14		Lab Check Off	Mechanical Ventilation Competency 2
Wed	10/21		Lab Practice and Quiz 2	Quiz 2
Wed	10/28		Lab Practice	

Wed	11/4	Lab Check Off	Quiz 3- virtual due online before midnight Noninvasive Positive Pressure Ventilation Competency 3
Wed	11/11	No Class	
Wed	11/18	Lab Practice	
Wed	11/25	No Class	
Wed	12/2	Review for Final Lab Check Off	Comp 4 - Capnometry

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.