RESC 3720L - Mechanical Ventilation 1 Lab

Fall 2026 Syllabus, Section 01, CRN 42052,

Credit hours: 1

Instructor

Tori Halavick

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Public Instructor Information

Instructor Title: Lecturer
Instructor Professional Qualifications: Master of Respiratory Care: Youngstown State 2019; Bachelor of Science in Respiratory Care: Youngstown State 2015
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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 Chpt. 8 Cairo Graphics/Waveforms Chpt. 9 Cairo	
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			Comp 1- Vent Setup
Wed	10/7		Lab Practice	
Wed	10/14			Comp 2 - Vent Check
Wed	10/21		Lab Practice	Quiz 2
Wed	10/28		Lab Practice	

Wed	11/4			Quiz 3- Online Comp 3 - Noninvasive
Wed	11/11	No Class		
Wed	11/18		Lab Practice	
Wed	11/25	No Class		
Wed	12/2		Review for Final	Comp 4 - Capnometry- Online
Wed	12/9	No Class		

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.