



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Advanced Respiratory Care Procedures Laboratory  
**Course Number:** RCT226

### Required Materials

**Textbook(s):** Stoller, J. K., Heuer, A. J., Vines, D. L., Chatburn, R. L., & Mireles-Cabodevila, E. (2025). *Egan's fundamentals of respiratory care* (13th ed.). Elsevier.  
 Sills, J. R. (2020). *The Comprehensive Respiratory Therapist Exam Review, 7<sup>th</sup> edition*. Elsevier.

**Required Readings:** See weekly calendar below.

**Additional Materials:** Course materials which can be purchased in the college bookstore. Additional materials available on the College LMS.

### Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Topic/Lab
Week 1	Ventilator Graphics lecture/PPT and Practice
Week 2	Ventilator Graphics Review and Practice EKG Placement and Practice
Week 3	<b>Ventilator Graphics Analysis Competency</b> 6-Minute Walk lecture/PPT and Practice Read Egan's Chapter 56: Cardiopulmonary Rehabilitation page 1276
Week 4	Intubation and Extubation lecture/PPT and Practice Read: Egan's Chapter 37: Airway Management pages 755-759 & 776-777
Week 5	<b>Intubation and Extubation Competency</b> Difficult Airway/Troubleshooting lecture/PPT Non-Invasive Ventilation lecture/PPT Read: Egan's Chapter 50: Noninvasive Ventilation

<b>Week</b>	<b>Topic/Lab</b>
Week 6	Non-Invasive Ventilation (BiPAP and CPAP) Practice
Week 7	<b>Non-Invasive Ventilation Competency</b>
Week 8	High Flow Nasal Cannula (HFNC) lecture/PPT and Practice
Week 9	<b>HFNC Competency</b>
Week 10	Neonatal Resuscitation lecture and practice
Week 11	Neonatal Resuscitation lecture and practice Cardiopulmonary Stress Testing lecture/PPT Read Sills Chapter 18: Special Procedures- Module C
Week 12	Cardiopulmonary Stress Testing lecture/PPT cont. Read Sills Chapter 18: Special Procedures- Module C (cont).
Week 13	Pulmonary Rehabilitation and Patient Education lectures Read Sills Chapter 17: Home Care and Pulmonary Rehab.
Week 14	<b>Patient Education Project Presentations</b>
Week 15	Special Procedures and Chest Tubes lecture/PPT Read Sills Chapter 18: Special Procedures pages 567-570 Read Egan's Chapter 22: Flexible Bronchoscopy and the Respiratory Therapist Review for Final