



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Patient Assessment and Monitoring
Course Number: RCT223

Required Materials

Textbook(s): Des Jardins, T. (2020). *Cardiopulmonary Anatomy & Physiology: Essentials of Respiratory Care* (7th ed.). Cengage Learning. (Includes MindTap instant access)

Sills, J. R. (2020). *The Comprehensive Respiratory Therapist Exam Review, 7th edition*. Elsevier.

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.

Booth, K., & O'Brien, T. (2024). *Electrocardiography for Healthcare Professionals: LL+Connect Online Access* (Print ed.). McGraw-Hill Higher Education.

Required Readings: See weekly calendar below.
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.

Semester Week	Topic/Chapter (Review PPT and read assigned textbook chapter(s))	Scheduled Events
Week 1	Read: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 16- Des Jardins, Renal Failure and its Effects on the Cardiopulmonary System Review: Course/Master syllabus	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT1- Renal Failure and its effects on the CP system

Semester Week	Topic/Chapter (Review PPT and read assigned textbook chapter(s))	Scheduled Events
Week 2	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 18- Sill's, Special Procedures <input type="checkbox"/> Chapter 16- Egan's, Bedside Assessment of the Patient <input type="checkbox"/> Chapter 52- Egan's, Monitoring the Patient in the Intensive Care Unit (ICU) <input type="checkbox"/> Chapter 1- Sill's, Patient Assessment 	<p>Lecture plan:</p> <ul style="list-style-type: none"> <input type="checkbox"/> PPT2- Principles and clinical applications of CO2 elimination <input type="checkbox"/> PPT3- Introduction to the care of the Critically Ill and Injured Patient <input type="checkbox"/> PPT4- Neurological Assessment
Week 3	<p>Review as needed:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 9- Egan's, The Respiratory System <input type="checkbox"/> Chapter 1- Des Jardin's, The A&P of the Respiratory System 	<p>Lecture plan:</p> <ul style="list-style-type: none"> <input type="checkbox"/> PPT5- Pulmonary Anatomy & Physiology
Week 4	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 14- Booth, Clinical Presentation and Management of the Cardiac Patient <input type="checkbox"/> Chapter 11- Sill's, Cardiac Monitoring and Cardiopulmonary Emergencies <p>Review as needed:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 10- Egan's, The Cardiovascular System <input type="checkbox"/> Chapter 5- Des Jardin's, The A&P of the Cardiovascular System 	<p>Lecture plan:</p> <ul style="list-style-type: none"> <input type="checkbox"/> PPT6- Clinical Presentation and Management of the Cardiac Patient <input type="checkbox"/> PPT7- Cardiovascular A&P
Week 5	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 13- Egan's, Solutions, Body Fluids, and Electrolytes <p>Review as needed:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 10- Egan's, The Cardiovascular System <input type="checkbox"/> Chapter 5- Des Jardin's, The A&P of the Cardiovascular System 	<p>Lecture plan:</p> <ul style="list-style-type: none"> <input type="checkbox"/> PPT8- Physical Assessment of the Cardiovascular System <input type="checkbox"/> PPT9- Electrolyte Emergencies
Week 6	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 5- Sill's, Advanced Cardiopulmonary Monitoring <input type="checkbox"/> Chapter 15- Des Jardin's, Hemodynamic Measurements <p>Review as needed:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 52- Egan's, Monitoring the Patient in the ICU 	<p>Lecture plan:</p> <ul style="list-style-type: none"> <input type="checkbox"/> PPT10- Fluid Filled Electronic Monitoring Systems <input type="checkbox"/> PPT11- Intracranial Pressure Monitoring

Semester Week	Topic/Chapter (Review PPT and read assigned textbook chapter(s))	Scheduled Events
Week 7	Review as needed: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 52- Egan’s, Monitoring the Patient in the ICU <input type="checkbox"/> Chapter 5- Sill’s, Advanced Cardiopulmonary Monitoring <input type="checkbox"/> Chapter 15- Des Jardin’s, Hemodynamic Measurements 	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT12- Arterial Pressure Monitoring
Week 8	Review as needed: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 52- Egan’s, Monitoring the Patient in the ICU <input type="checkbox"/> Chapter 5- Sill’s, Advanced Cardiopulmonary Monitoring <input type="checkbox"/> Chapter 15- Des Jardin’s, Hemodynamic Measurements 	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT13- Central Venous Pressure Monitoring
Week 9	Review as needed: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 52- Egan’s, Monitoring the Patient in the ICU <input type="checkbox"/> Chapter 15- Des Jardin’s, Hemodynamic Measurements <input type="checkbox"/> Chapter 5- Sill’s, Advanced Cardiopulmonary Monitoring 	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT14- Pulmonary Artery Catheters
Week 10	Review as needed: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 52- Egan’s, Monitoring the Patient in the ICU <input type="checkbox"/> Chapter 15- Des Jardin’s, Hemodynamic Measurements <input type="checkbox"/> Chapter 5- Sill’s, Advanced Cardiopulmonary Monitoring 	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT15- Monitoring Cardiac Output
Week 11	Read: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 4- Egan’s, Principles of Infection Prevention and Control <input type="checkbox"/> Appendix A- Booth, Cardiovascular Medications <input type="checkbox"/> Chapter 9- Sill’s, Pharmacology Review as needed: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 6, Des Jardins, Oxygen and Carbon Dioxide Transport 	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT16- Monitoring Tissue Oxygenation <input type="checkbox"/> PPT17- Catheter and Infusion Related Sepsis <input type="checkbox"/> PPT18- Pharmacologic Management of Hemodynamics

Semester Week	Topic/Chapter (Review PPT and read assigned textbook chapter(s))	Scheduled Events
Week 12	Read: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 29- Egan's, Acute Respiratory Distress Syndrome 	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT19- Shock Syndromes
Week 13	Review as needed: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 29- Egan's, Acute Respiratory Distress Syndrome 	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT20- Multiple Organ System Dysfunction
Week 14	Read: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 45- Egan's, Respiratory Failure and the Need for Ventilatory Support 	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT21- Acute Respiratory Failure
Week 15	Read: <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 31- Egan's, Acute Heart Failure <input type="checkbox"/> Chapter 51- Egan's, Extracorporeal Life Support (ECMO) 	Lecture plan: <ul style="list-style-type: none"> <input type="checkbox"/> PPT22- Ischemic Heart Disease <input type="checkbox"/> PPT23- ECMO <input type="checkbox"/> Review hemodynamic case study examples <input type="checkbox"/> Review for final exam
Week 16		Final Exam-Comprehensive