



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Respiratory Care Pharmacology
Course Number: RCT124

Required Materials

Textbook(s): Colbert, B. J., James, A., & Williams, D. (2025). *Integrated Cardiopulmonary Pharmacology, 7th edition.*

Required Readings: See weekly calendar below.

Additional Materials: Course materials which can be purchased in the college bookstore.

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: <input type="checkbox"/> Colbert Ch 1 – General Pharmacologic Principles & Ch 2 – The Metric System and Drug Dosage Calculations Review: <input type="checkbox"/> Chapters 1 & 2 PowerPoints <input type="checkbox"/> Course Materials pgs. 3-5	Lecture plan: <ul style="list-style-type: none"> • Review RCT124 syllabus • Review Brightspace and how to access PowerPoints • Review main topics for course • Review Course Materials and HW #1
Week 2	Read: <input type="checkbox"/> Colbert Ch 3 – Pharmacology of the Autonomic Nervous System Review: <input type="checkbox"/> Chapter 3 PowerPoint	Lecture plan: <ul style="list-style-type: none"> • Review Chapter 1, 2, and 3 PowerPoints
Week 3	Read: <input type="checkbox"/> Colbert Ch 4 – Medicated Aerosol Treatments Review: <input type="checkbox"/> Chapter 4 PowerPoint <input type="checkbox"/> Course Materials pgs. 22-26	Lecture plan: <ul style="list-style-type: none"> • Review main topics from Chapters 1-4 • Review for Test #1

Week 4		No face to face class this week- see LMS for details
Week 5	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Colbert Ch 5 - Bronchodilators <p>Review:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 5 PowerPoint <input type="checkbox"/> Course Materials pgs. 9-13 	<p>Lecture plan:</p> <ul style="list-style-type: none"> • Review PowerPoint 5
Week 6	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Colbert Ch 6 – Mucokinetics and Surfactants <p>Review:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 6 PowerPoint <input type="checkbox"/> Course Materials pgs. 14-15 (Mucolytic Agents) 	<p>Lecture plan:</p> <ul style="list-style-type: none"> • Review PowerPoint 6 & 7
Week 7	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Colbert Ch 7 – Anti – inflammatory and Antiasthmatic Agents <p>Review:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 7 PowerPoint <input type="checkbox"/> Course Materials pgs. 14-18 	No face to face class this week- see LMS for details
Week 8	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Colbert Ch 13 – Pharmacologic Management of Asthma, Chronic Bronchitis and Emphysema <p>Review:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 13 PowerPoint <input type="checkbox"/> Course Materials pg. 28 <input type="checkbox"/> Instructions for Smoking Cessation project on Brightspace 	<p>Lecture plan:</p> <ul style="list-style-type: none"> • Review PowerPoint 13
Week 9	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Colbert Ch 8 – Antimicrobial Agents <p>Review:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 8 PowerPoint <input type="checkbox"/> Course Materials pg. 27 	No face to face class this week- see LMS for details
Week 10	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Colbert Ch 9 – Cardiac Agents <p>Review:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 9 PowerPoint 	No face to face class this week- see LMS for details
Week 11	<p>Read:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Colbert Ch 10 – Blood Pressure and Antithrombotic Agents <p>Review:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chapter 10 PowerPoint <input type="checkbox"/> Course Materials pg. 29 	<p>Lecture plan:</p> <ul style="list-style-type: none"> • Quiz 3 review • Review main topics from Chapters 8, 9, & 10

Week 12	Read: <input type="checkbox"/> Colbert Ch 11 – Neuromuscular, Sedative, Anesthetic and Analgesic Agents Review: <input type="checkbox"/> Chapter 11 PowerPoint	No face to face class this week- see LMS for details
Week 13	Read: <input type="checkbox"/> Colbert Ch 15 – Medications for Cardiovascular Life Support Review: <input type="checkbox"/> Chapter 15 PowerPoint <input type="checkbox"/> Course Materials pg. 30	No face to face class this week- see LMS for details
Week 14		Lecture plan: <ul style="list-style-type: none"> • Quiz 4 review • Review main topics from Chapters 11 & 15
Week 15		Lecture plan: <ul style="list-style-type: none"> • Review for Final
Week 16		Final Exam (Comprehensive)