



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Neonatal and Pediatric Respiratory Care
Course Number: RCT227

Required Materials

Textbook(s): Walsh, B. K. (2023). *Neonatal and pediatric respiratory care* (6th ed.). Elsevier.

Required Readings: See weekly calendar below.

Additional Materials: Course/Lab 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/Unit	Topic/Chapter (Review PPT and read assigned textbook chapter(s))	Scheduled Events
Week 1 <u>Unit 1</u>	Read: Walsh, Ch 1 - Fetal Lung Development & Ch 2 - Fetal Gas Exchange Review: Week 1 PPT	Lecture plan: <ul style="list-style-type: none"> Review RCT 227 Syllabus Review LMS and how to access PPTs and materials Review Week 1 PPT
Week 2 <u>Unit 1</u>	Read: Walsh, Ch 3 – Antenatal Assessment and High Risk Delivery & Ch 5 – Examination and Assessment Review: Week 2 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 2 PPT
Week 3 <u>Unit 1</u>	Read: Walsh, Ch 6 – Radiographic Assessment of the Neonate, Ch 7 – Invasive Blood Gas Analysis of the Neonate and Ch 8 – Noninvasive Monitoring in Neonatal Care Review: Week 3 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 3 PPT Review for Test - Unit 1
Week 4 <u>Unit 2</u>	Read: Walsh, Ch 9 – Neonatal Pulmonary Disorders & Ch 10 – Surgical Disorders in the Neonate that affect Respiratory Care Review: Week 4 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 4 PPT

Week 5 <u>Unit 2</u>	Read: Walsh, Ch 11 – Congenital Cardiac Defects & Ch 12 – Surfactant Replacement Therapy Review: Week 5 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 5 PPT
Week 6 <u>Unit 2</u>	Read: Walsh, Ch 13 – Noninvasive Mechanical Ventilation and Continuous Positive Pressure of the Neonate & Ch 14 – Invasive Mechanical Ventilation of the Neonate Review: Week 6 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 6 PPT Review for Test – Unit 2
Week 7 <u>Unit 3</u>	Read: Walsh, Ch 15 – Examination and Assessment of the Pediatric Patient & Ch 17 – Radiographic Assessment of the Child Review: Week 7 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 7 PPT
Week 8 <u>Unit 3</u>	Read: Walsh, Ch 20 – Noninvasive Monitoring in Pediatric Care & Ch 23 – Pediatric Airway Disorders and Parenchymal Lung Disease, Pg. 323 – 326 – Blood Gas Analysis Review: Week 8 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 8 PPT
Week 9 <u>Unit 3</u>	Read: Walsh, Ch 24 - Asthma & Ch 25 – Cystic Fibrosis Review: Week 9 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 9 PPT
Week 10 <u>Unit 3</u>	Read: Walsh, Ch 26 – Acute Respiratory Distress Syndrome Review: Week 10 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 10 PPT Review for Test - Unit 3
Week 11 <u>Unit 4</u>	Read: Walsh, Ch 27 – Shock & Ch 28 – Pediatric Trauma Review: Week 11 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 11 PPT
Week 12 <u>Unit 4</u>	Read: Walsh, Ch 29 – Disorders of the Pleura & Ch 30 – Neurologic and Neuromuscular Disorders Review: Week 12 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 12 PPT
Week 13 <u>Unit 4</u>	Read: Walsh, Ch 31 – Noninvasive Mechanical Ventilation of the Child, Ch 32 – Invasive Mechanical Ventilation of the Child and Ch 37 – Administration of Gas Mixtures Review: Week 13 PPT	Lecture plan: <ul style="list-style-type: none"> Review Week 13 PPT Review for Test – Unit 4
Week 14	Fall Holiday (TBD). Finish previous week readings/materials	
Week 15		Lecture plan: <ul style="list-style-type: none"> Review for Final Poster Presentations
Week 16		Final Exam (Comprehensive)