

Loma Linda University
School of Allied Health Professions
Department of Cardiopulmonary Sciences

RSTH 421 Perinatal and Pediatric Respiratory Care

Fall 2011

FACULTY:

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LECTURE: ROOM 1923 NICHOL HALL, 1000-1150, TUESDAY

EXAMINATIONS: SAHP COMPUTER TEACHING LABORATORY, NH 1906

COURSE DESCRIPTION:

This course will describe the etiology, pathophysiology, clinical findings and management of cardiopulmonary diseases as they relate to problems in pediatric and neonatal patients. Included will be descriptions of Perinatal Respiratory and Circulatory Physiology, Maternal risk factors, Thermoregulation, and Resuscitation of the Newborn.

COURSE GOALS:

Be able to:

1. Gain a foundational knowledge that describes and identifies neonatal and perinatal conditions as they relate to respiratory care.
2. Comprehend and interpret neonatal and pediatric data as they relate to the patient care setting.
3. Apply foundational and comprehension knowledge to a variety of neonatal and pediatric situations in respiratory care.
4. Analyze and illustrate neonatal and pediatric situations in terms of appropriate respiratory care methodology.
5. Develop, synthesize, and evaluate reading and writing skills of scientific publications in the neonatal perinatal environment.

It is the intent of this course to further develop your critical and independent thinking skills. The emphasis will be to encourage learning on your part by making you an active participant in the learning process.

COURSE REQUIREMENTS:

1. Attendance/participation/assignments/quizzes
2. Two article reviews, see attached for formatting guidelines.
3. Successfully completing the midterm exam and assignments.

GRADING:

Approximate % of Grade

Midterm Exam	50%
Article Reviews (2)	30%
Quizzes	10%
Case Study	10%

A	95-100
A-	90-94
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	70-76

TEXTS:

Required:

Walsh B.K., Czervinske M.P., DiBlasi R.M., Perinatal and Pediatric Respiratory Care 3rd Edition, WB Saunders, 2010. ISBN: 978-1-4160-2448-4

Supplemental:

Wilkins R.L., Stroller J., Kacmarek R.M., Egan's Fundamentals of Respiratory Care, 9th Ed. Mosby, 2008.

Instructure Canvas: Loma Linda University has adopted an new learning management system to replace Blackboard. This course will use this new system beginning this quarter. Copies of class handouts will be posted on *Canvas* by Friday afternoon proceeding the day of class. Students are responsible for obtaining copies of handouts prior to class. PowerPoint presentations will be posted on Blackboard within 24 hours of end of class. Quizzes over the previous class material will be posted within 24 hours of end of class. Students will have until 6pm Monday evening before class day to complete all questions. Quizzes are for self assessment purposes but count 10% toward your class grade. They are open-book. Please check the **Announcements** page frequently for latest information and for notification should the class for that day need to be cancelled.

DISABILITY

It is the policy of Loma Linda University to fully comply with the provisions of the Americans with Disabilities Act and Section 504 of the Rehabilitation Act. Requests for accommodation should be made to the, Dean, SAHP (NH 1603), accompanied by appropriate documentation demonstrating that he/she is qualified as defined by the Americans with Disabilities Act.

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<u>Dates</u>	<u>Topic</u>	<u>Reading</u>
September 27	Introduction to Course/Fetal development and transition A. Marshak, D. López	W: Chapter 1, 2 E: pp 651-653
October 04	The Neonate at Risk and Assessment A. Marshak	W: Chapters 3,4 and 5 E: pp 1186-1193
October 11	Thermoregulation, Apnea/Week of Devotion A. Marshak	W: Chapter 27, 32 E: pp 646-647, 650-651, 658-660
October 18	Oxygen Therapy D. López	W: Chapters 12 E: pp 1193-1194
October 25	TTNB, Croup, Epiglottitis A. Marshak	W: Chapter 27, 32 E: pp 646-647, 650-651, 658-660
November 01	MID-TERM EXAM NH1906 COMPUTER LAB	
November 08	Case Study I	In Class Assignment
November 15	Respiratory Distress Syndrome D. López	W: Chapter 35 E: pp 644-646
November 22	Cardiac Defects D. López	W: Chapter 30 E: pp 653-655
November 29	Chronic Lung Disease/Bronchopulmonary Dysplasia D. López	W: Chapter 29 E: pp 648-649
December 06	Article Presentations/Case Study II	Handout/Peer Review Form
December 12-15	Finals Week: All assignments Due	

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DEPARTMENT OF CARDIOPULMONARY SCIENCE
RSTH 421 PERINATAL AND PEDIATRIC RESPIRATORY CARE**

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Article Writing Format

	Name _____
	Date _____

Assignment:	Name of disease or topic
Reference:	Use a standard format, such as the journal from which the article is taken.
Major Claim(s):	What is the Author(s) trying to say or convince people in this article (thesis statement)
Abbreviated Summary:	2-5 sentences maximum. Briefly state what the article is about, this may be taken from the abstract, and written in your own words.
Analysis:	You may wish to compare or contrast various ideas from this article with ideas from other works. Explore any biases you feel the author may have demonstrated. Discuss strengths or weaknesses of some of the author's opinions or ideas. What do you think about the article?
Evaluation:	State what concepts or ideas do you specially agree with or particularly disagree with State reasons.
Application:	Indicate how you could apply the information or ideas in clinical practice. State what new ideas you have discovered.
Facts/Questions:	List a minimum of 3 new facts you have learned. List 2-3 questions you now have based on this article.

Use boldfaced headings or underlined headings, as in the above example.

Must be type written (computer); hand written assignments will not be accepted. Each assignment is to be one or two pages, double-spaced. No more than two pages will be accepted.

Be prepared to discuss your article in class. Your thoughts and evaluation should come out in the Evaluation and reasoning portion of the article review.

Your assignment should come from any current professional journal (within the last two years). Articles must be peer reviewed and have references and/or bibliography. Internet articles also need to meet peer review criteria.