



Course Outline

2026-2027 Catalog

RT 115 - Clinical Preparation for Respiratory Care

Catalog Description

Transfer Status: NT

Prerequisite: ALH 6, RT 110, RT 118

Unit(s): 1.00

Lab: 51.00 Contact hours/0.00 Out of class hours/51.00 Total hours/1.00 Unit(s)

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Course Description: This course is an introduction to the basic concepts of clinical respiratory care as practiced in the acute care hospital. Students will become conversant with bedside examination, monitoring, and care of medical/surgical and respiratory disease patients.

Objectives

Upon successful completion of this course, the student should be able to:

1. Demonstrate appropriate patient interaction, assessment and treatment skills used in bedside respiratory patient care at the basic level, in the laboratory setting.
2. Demonstrate minimal competency levels in Hand washing, Isolation and Infection Control Procedures, Vital Signs Assessment. Oxygen Supply Systems. Oxygen Administration, Small Volume Nebulizer (SVN) Therapy, Incentive Spirometry, Pulse Oximetry, Bronchial and Cough Techniques, and patient safety, positioning, and operation of hospital beds.
3. Demonstrate the proper procedure for using a syringe to draw up respiratory care medication.
4. Describe the correct procedure for respiratory care medication administration.
5. Recognize the sounds associated with normal and abnormal breath sounds.

Course Content

Topic Titles / Suggested Time Topic	
	<u>Lab</u>
<u>Topics</u>	<u>Lab Hrs</u>
Introduction Vital Signs, Blood Pressure	7.50
Review SVN, Oxygen Therapy	6.00
Pulse Oximetry	6.00
Infection Control and Isolation	6.00
Bronchial Hygiene and Cough Techniques	7.50
Safe Lifting/Movement of Patients Fire and Electrical Safety	6.00
Breath Sound Assessment	6.00
Medication Administration	6.00
Total Hours: 51.00	

Methods of Instruction

- A. Class Activities
- B. Demonstrations
- C. Homework: Students are required to complete two hours of outside-of-class homework for each hour of lecture
- D. Instructor Demonstrations
- E. Lecture
- F. Reading Assignments

Methods of Evaluation

- A. Quizzes
- B. Demonstration
- C. Final Examination
- D. Practical Evaluations
- E. Direct observation of the students' bedside patient assessment and care.

Examples of Assignments

Reading Assignments

1. Read the assigned reading for Vital Signs in preparation for classroom discussion and laboratory practice of pulse rate, respiratory rate, blood pressure and temperature.
2. Read the assigned reading for Pulse Oximetry in preparation for classroom and laboratory practice in obtaining an SpO₂.

Writing Assignments

1. After completing the assigned reading, classroom presentations, and laboratory practice on Vital Signs, answer each item listed under the Vital Signs Learning Objectives.
2. After completing the assigned reading and classroom presentations on Pulse Oximetry, answer each item listed under the Pulse Oximetry Learning Objectives.

Out-of-Class Assignments

1. Set up your student account in Data Arc by changing your Username and Password and by providing the required personal information under the My Info section.
2. Complete an Adult Daily Log for the procedures completed in the Vital Signs laboratory.

Recommended Materials of Instruction

Cairo, J.M., et al. (2022). Mosby's Respiratory Care Equipment. *Mosby, 11th*. 9780323712217.

Kacmarek, Robert, et al. (2022). Egan's Fundamentals of Respiratory Care. *Mosby, 12th*. 9780323811224.

Heuer, Al. (2022). Wilkins Clinical Assessment in Respiratory Care. *Elsevier, 9th*. 9780323696999.

Other Learning Materials

AARC Clinical Practice Guidelines. Available at www.aarc.org

Minimum Qualifications

Respiratory Technician

Respiratory Technologies

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