Miami Dade College

Course Description

RET1024C | Fundamentals of Respiratory Care | 2.00 credits

This is an introductory course to the Respiratory Care discipline. Students will learn the history of the profession, terminology, hospital and patient safety, infection control, patient assessment, accessing and utilizing the patient's medical record, critical thinking, Respiratory Care protocols, and patient education. Prerequisite: ENC 1101, RET2274C.

Course Competencies:

Competency 1: The student will demonstrate knowledge of Respiratory Care Profession and Professionalism by:

1. Identifying the major contributors and their contributions that led to the development of the respiratory care profession as it exists today and articulating what it means to be a professional
2. Serving the needs of society
3. Demonstrating the characteristics of professionalism
4. Behaving in a professional manner
5. Enhancing and promoting the professional image
6. Identifying and discussing the role of the American Association of Respiratory Care (AARC) and the importance of participation in such an organization
7. Identifying and discussing the role of the Florida Society of Respiratory Care (FSRC) and the importance of participation in such an organization
8. Identifying and discussing the role of the National Board of Respiratory Care (NBRC) as it relates to the respiratory care profession
9. Identifying and discussing the role of Florida's Department of Health as it relates to licensing of respiratory therapists

Competency 2: The student will analyze Hospital and Patient Safety by:

1. Identifying JCAHO's national patient safety goals and how they are used to promote specific improvements in patient safety
2. Identifying the physiological effects of electrical current
3. Recognizing and avoiding electrical shock hazards
4. Identifying the conditions needed for fire and how to avoid fire hazards
5. Identifying the different types of fire extinguishers and the steps involved in using them
6. Demonstrating how to appropriately respond to a fire emergency
7. Demonstrating the basic body mechanics use in lifting, moving, and ambulating patients

Competency 3: The student will identify principles of infection control and respiratory microbiology by:

1. Defining healthcare-associated infection
2. Comparing the different methods of transmitting infections
3. Describing the strategies for infection control
4. Discussing the methods for processing equipment
5. Explaining the importance of a regular surveillance and monitoring program
6. Explaining the importance of hand hygiene
7. Determining the appropriate isolation procedure for preventing the transmission of infections
8. Describing the importance of patient and family education for safety and infection control
9. Identifying the major microorganisms causing respiratory infections
10. Comparing bacteria, viruses, fungi, and parasites
11. Listing the most common pathogens infecting the upper airway
12. Comparing the techniques of sputum induction, bronchoscopy, and bronchoalveolar lavage
13. Describing microbiology techniques to identify pathogens
14. Discussing the mechanisms of antibiotic resistance

Competency 4: The student will describe appropriate respiratory care and the evidence that supports providing high-quality respiratory care, record keeping, and patient education by:

1. Describing rationale for patient education in the practice of respiratory care
2. Defining patient education and related terms
3. Explaining the critical role of effective therapeutic communication

4. Identifying and explain the skills of the sender and receiver and questioning techniques
5. Listing the goals of patient education from the perspective of the patient and the provider
6. Identifying and explain the major components of the patient education process
7. Assessing the learning needs of the patient
8. Identifying factors that can adversely affect learner readiness
9. Discussing the planning phase of the patient education process, including the development of goals and objectives, use of learning domains, content development, and evaluation
10. Identifying and explain appropriate use of various teaching strategies in patient education
11. Identifying and discuss the basic principles of adult learning
12. Discussing the evaluation phase of the patient education process
13. Explaining how patient education can be incorporated into safety, infection control, asthma education, pulmonary rehabilitation, and smoking cessation

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Demonstrate knowledge of ethical thinking and its application to issues in society