

COLLEGEWIDE COURSE OUTLINE OF RECORD

RESP 204, EXTENDED CARE FOR THE CARDIOPULMONARY PATIENT

COURSE TITLE: Extended Care for the Cardiopulmonary Patient

COURSE NUMBER: RESP 204

PREREQUISITES: RESP 104 Concepts in Adult Critical Care

SCHOOL: Health Sciences

PROGRAM: Respiratory Therapy

CREDIT HOURS: 2

CONTACT HOURS: Lecture: 2

DATE OF LAST REVISION: Fall, 2019

EFFECTIVE DATE OF THIS REVISION: Spring, 2020

CATALOG DESCRIPTION: Provides an overview of respiratory care roles in home care, alternative care sites and pulmonary rehabilitation programs. Understand the purpose and function of various respiratory equipment used in home and alternative care settings. Emphasis is placed on the importance of assessing patients' learning needs and how to effectively educate a patient and/or family member concerning smoking cessation and health management. Presents an overview of emergency preparedness in relation to disaster management to include vaccination protocols. Provide overview of mass casualty incident response.

MAJOR COURSE LEARNING OBJECTIVES FROM THE 2020 NBRC MATRIX: Upon successful completion of this course the student will be expected to:

1. Evaluate data in the patient record
 - a. Patient History (history of present illness (HPI), orders, medication reconciliation, progress notes, DNR status/advanced directives, social/family/medical hx)
 - b. 6-minute walk test results
2. Perform clinical assessment by interviewing a patient to assess
 - a. Smoking history
 - b. Environmental exposures
 - c. Activities of daily living
 - d. Learning needs (literacy, preferred learning style, culture)
3. Perform procedures to gather clinical information
 - a. Oxygen titration with exercise
 - b. 6 minute walk test
4. Evaluate procedures results
 - a. Oxygen titration with exercise
 - b. 6 minute walk test
5. Assemble and troubleshoot long-term oxygen therapy equipment
6. Ensure infection control
 - a. Adhering to infection prevention policies and procedures (Standard precautions, donning/doffing, Isolation)
 - b. Adhering to disinfection policies and procedures

7. Perform quality control procedures for home mechanical ventilators.
8. Performing airway clearance and lung expansion techniques with inspiratory muscle training.
9. Ensure modifications are made to the respiratory care plan
 - a. Starting treatment based on patient response
 - b. Discontinuing treatment based on patient response
10. Utilized evidence based medicine principles
 - a. Recommendations for changes in the therapeutic plan when indicated
11. Provides respiratory care in high-risk situation
 - a. Disaster management
 - b. Land/air transport between hospitals
12. Conduct patient and family education
 - a. Safety and infection control
 - b. Home care and related equipment
 - c. Lifestyle changes (smoking cessation and exercise)
 - d. Pulmonary rehabilitation
 - e. Disease/condition management (asthma, COPD, CF, tracheostomy care, ventilator dependent)
13. Discusses the elements of pulmonary rehabilitation programs
 - a. Communicates information relative to pulmonary rehabilitation programs (patient selection, multidisciplinary approach)
 - b. Identify educational and exercise components of pulmonary rehabilitation programs
 - c. Educates patient/family regarding proper nutrition for pulmonary patients
 - d. Recommends appropriate immunizations (pneumovax, influenza) based on protocols
14. Recall indications for and proper use of a variety of home care equipment to include: home ventilators, CPAP/NPPV, apnea monitors, oxygen concentrators, LOX, cylinders, pulse dose/demand systems, portable nebulizers, TTO, trach care, trach change and suctioning
15. Identify the role of the RCP in disaster management
 - a. Analyze effects of blast injuries
 - b. Evaluate effects of specific agents used in biological, radioactive and chemical warfare (smallpox, anthrax, nerve agents)
 - c. Identify appropriate treatment for patients exposed to biological, radioactive and chemical weapons (smallpox, anthrax, nerve gases, etc.)
 - d. List personal protective equipment required for biological, radioactive and chemical agents (smallpox, anthrax, nerve gases, etc)
 - e. Identify appropriate precautions and treatments for individuals potentially exposed to contagious diseases. (e.g. Ebola)
16. Discuss the RT's role in providing care for patients that are at the end of life
 - a. Discuss hospice care options (hospital based, LTAC, ECF, Home)
 - b. Discuss treatment options (NPPV, aerosolized morphine, oxygen, etc.)

COURSE CONTENT: Topical areas of study include –

Introduction to home care	Home care ventilators and equipment
Home oxygen	Pulmonary rehabilitation
Infection control	Timed walk test, oxygen titration with exercise
Alternative care settings	Exercise and biofeedback
Smoking cessation and preventive care	Evaluations
Disease Management	

HOW TO ACCESS THE IVY TECH COMMUNITY COLLEGE LIBRARY:

The Ivy Tech Library is available to students' on- and off-campus, offering full text journals and books and other resources essential for course assignments. Go to <http://www.ivytech.edu/library/> and choose the link for your campus.

ACADEMIC HONESTY STATEMENT:

The College is committed to academic integrity in all its practices. The faculty value intellectual integrity and a high standard of academic conduct. Activities that violate academic integrity undermine the quality and diminish the value of educational achievement.

Cheating on papers, tests or other academic works is a violation of College rules. No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as the acquisition without permission of tests or other academic materials and/or distribution of these materials and other academic work. This includes students who aid and abet as well as those who attempt such behavior.

ATTENDANCE:

Students are expected to attend and participate regularly in class meetings, online learning activities and other activities assigned as a part of a course of instruction. Faculty are required to report student participation in compliance with institutional policies and federal financial aid guidelines. Faculty and staff shall be sensitive to students' religious beliefs and observances, including an expectation that instructors make reasonable arrangements when a student must miss an exam or other academic exercise due to their religious observance. When notified in advance, and when possible, faculty will make allowances for students to make up missed work.

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ADA STATEMENT:

Ivy Tech Community College seeks to provide reasonable accommodations for qualified individuals with documented disabilities. If you need an accommodation because of a documented disability, please contact the Office of Disability Support Services.

If you will require assistance during an emergency evacuation, notify your instructor immediately. Look for evacuation procedures posted in your classroom.

TITLE IX STATEMENT:

Ivy Tech Community College is committed to providing all members of the College community with a learning and work environment free from sexual harassment and assault. Ivy Tech students have options for getting help if they have experienced sexual assault, relationship violence, sexual harassment or stalking. This information can be found at <https://www.ivytech.edu/prevent-sexual-violence/index.html>.

If students write or speak about having survived sexual violence, including rape, sexual assault, dating violence, domestic violence, or stalking, federal law and Ivy Tech policies require that instructors share this information with the Campus Title IX Coordinator. The Campus Title IX Coordinator will contact students to let them know about accommodations and support services at the College and in the community as well as options for holding accountable the person who harmed them. When contacted, students are not required to speak with the Campus Title IX Coordinator.

If students do not want the Title IX Coordinator notified, instead of disclosing this information to their instructor, students can speak confidentially with certain individuals at the College or in the community. A list of these individuals can be found at <https://www.ivytech.edu/prevent-sexual-violence/index.html> under Confidential Employees and/or Community Resources.