SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: RSPC 415   Department: Respiratory Care

Course Title: Trends in Respiratory Care   Semester: Fall   Year: 2013

Objectives/Competencies

Course Objective	Competencies
1. Health-care reform and its impact on respiratory care. The student will be able to have an understanding of this topic.	1. List and describe the three major reasons for health-care reform. 2. Define hospital restructuring, and describe its impact on respiratory care. 3. Explain what managed care means, and describe its impact on health-care delivery in general. 4. Identify and briefly describe at least four different managed-care organizations. 5. Differentiate between integrated health-care delivery and seamless patient. 6. Explain what patient-centered care means, and describe its effect on the delivery of respiratory care. 7. List three alternate care sites where respiratory care is being administered and identify the roles respiratory-care practitioners are assuming at each. 8. Differentiate between competency and cross-training, and discuss the importance to the respiratory-care profession.
2. The student will be able to have an understanding of past and current concepts of pulmonary rehabilitation.	1. Define pulmonary rehabilitation. 2. Differentiate between pulmonary rehabilitation and cardiac rehabilitation. 3. Discuss the rationale for pulmonary rehabilitation in terms of the interdependence of pulmonary function, cardiovascular

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	status, and physical conditioning. 4. State the major goal of pulmonary rehabilitation and its two principal objectives. 5. Describe the impact comprehensive outpatient rehabilitation facilities (COR) have had on pulmonary rehabilitation. 6. Explain the impact health-care reform has had on the growth and acceptance of pulmonary rehabilitation.
3. The student will be able to have an understanding of selecting patients for pulmonary rehabilitation.	1. List eight patient conditions for which pulmonary rehabilitation would be beneficial. 2. Define the role functional status scales or dyspnea indices play in patient evaluation. 3. Identify three testing regimens used in evaluating patients for pulmonary rehabilitation. 4. State the importance of cardiopulmonary exercise (CPX) testing in the pt selecting process. 5. Identify five major components of the cardiopulmonary exercise (CPX) and state the importance or relevance of each. 6. List three criteria for including a patient in a pulmonary-rehabilitation program. 7. List three criteria for excluding a patient from a pulmonary-rehabilitation program.
4. The student will be able to have an understanding of key elements of a pulmonary-rehabilitation program.	1. Identify five key components of a pulmonary-rehabilitation program. 2. Differentiate between open-ended and closed pulmonary-rehabilitation programs. 3. Describe the space and equipment needs of pulmonary rehabilitation. 4. Identify the key personnel in pulmonary rehabilitation. 5. Explain how ventilatory muscle endurance can be achieved through breathing retraining techniques. 6. Identify and discuss the importance of the three principles of

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	exercise training. 7. Identify key features of a patient-treatment plan.
5. The student will be able to have an understanding of measuring and assessing the outcomes of pulmonary rehabilitation.	1. List at least five patient expectations of pulmonary rehabilitation. 2. Identify three accepted benefits of pulmonary rehabilitation. 3. Identify three possible benefits of pulmonary rehabilitation. 4. Identify three unlikely or debated benefits of pulmonary rehabilitation. 5. Describe at least three ways in which pulmonary-rehabilitation outcomes be ascertained and documented. 6. List five reasons for attrition in pulmonary-rehabilitation programs and, explain how these problems could be addressed effectively.
6. The student will be able to have an understanding of reimbursement for respiratory care.	1. Identify at least five factors that affect the cost of respiratory care. 2. Identify at least three legitimate ways to obtain reimbursement for respiratory care from third party payors. 3. Discuss the importance of patient diagnosis when it comes to patient billing and the role of the International Classification of Diseases, 9th Revision (ICDCM). 4. Define CPT coding and describe its role and importance to billing for respiratory care. 5. Define HCFA common procedure coding system (HCPCS) and describe its role and importance to billing for respiratory care. 6. Compare and contrast insurance reimbursement for respiratory care as it is paid for by commercial carriers. Medicare, and Medicaid.
7. The student will be able to have an understanding of past and current concepts of respiratory home care.	1. Define home health care and explain its current importance as an alternate for patient care. 2. Define respiratory home care.

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	3. Identify five historical factors or developments that increased respiratory home care's application and acceptance.
	4. Explain how home care, and respiratory home care in particular, has become an integral component of continuing or seamless patient care.
	5. Identify at least five specific goals and/or objectives of respiratory home care.
	6. Briefly explain the reimbursement issues facing respiratory home care today.
	7. List and define the four standards outlined in the AARC's position statement on respiratory home care.
	8. Identify and discuss the major ethical issues of respiratory home care.
8. The student will be able to have an understanding of patient selection and discharge planning.	1. Describe three conditions or situations that qualify a patient as homebound.
	2. Specify three criteria that must be satisfied before a patient can be discharged to the home-care environment.
	3. Identify eight patient conditions that are appropriate for respiratory home care.
	4. Describe the discharge planning process as it pertains to respiratory home care.
	5. Identify six members of the discharge planning team who should be involved with the discharge planning process for the homebound respiratory patient.
	6. Identify five characteristics that make RCPs ideal care coordinators.
	7. Differentiate between care coordinator and case manager.
9. The student will be able to have an understanding of home respiratory equipment and therapeutics.	1. Describe the three major oxygen-delivery systems used in the home.
	2. Identify three oxygen-conserving devices or systems presently available.

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	3. Differentiate between the use of continuous positive airway pressure (CPAP and bilevel pressure therapy equipment.) 4. Identify three factors in the development of home mechanical ventilation. 5. Describe patient selection, including major disorders, for home mechanical ventilation. 6. Identify five positive pressure ventilators currently used in the home. 7. Describe the use of negative pressure ventilation in the home. 8. List the advantages and disadvantages of noninvasive positive pressure ventilation (NIPPV).
10. The student will be able to have an understanding of protocols and procedures of care delivery.	1. Explain the purpose of developing respiratory home-care protocols and procedures. 2. List the three components of a protocol or procedure. 3. Define plan of care. 4. Outline the basic procedure for establishing a respiratory home-care modality. 5. Identify key variations that may exist between respiratory home-care modalities. 6. Identify at least eight respiratory home-care modalities.
12. The student will be able to have an understanding of reimbursement for respiratory home care.	1. Explain the current mechanism, including coding procedures, for reimbursement of respiratory home-care equipment. 2. Present three reasons home-care services rendered by RCPs are not reimbursed by Medicare or other insurances. 3. Describe the components of the Six-Point Plan and its impact on home equipment reimbursement. 4. Define capped rental and identify its impact on the home-care industry. 5. Define the role of durable medical equipment regional carriers (DMERC) and the reimbursement of home-care equipment.

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	6. Discuss the importance of the certificate of medical necessity (CMN) with regard to insurance reimbursement. 7. Identify the Medicare qualifications for home oxygen therapy. 8. Explain managed care's impact on the home-care industry.
	1. Review and critique published research 2. Explain the meaning of general statistical tests 3. Apply Evidence based medicine to clinical practice.
13. The student will be able to have an understanding of evidence-based medicine and its impact in clinical practice.	1. Explain the use of evidence-based medicine in the development and application of respiratory care protocols. 2. Evaluate and treat patients in a variety of settings, using the appropriate respiratory care protocls.
14. The student will be able to have an understanding of the implementation and impact of Respiratory Care Protocols.	1. Review the most current techniques in the delivery of respiratory care 2. Familiarize and identify the most current technology utilized in respiratory care delivery.
15. The student will be able to have an understanding of the most current respiratory care delivery methods.	
16. The student will be able to have an understanding of human growth and development.	1. Demonstrate knowledge and understanding of major theoretical approaches. 2. Demonstrate knowledge and understanding of key issues of each stages of human development 3. Demonstrate ability to apply stages of development to respiratory care practice. 4. Demonstrate understanding of how multi-cultural/cross

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	cultural issues must be considered in application of human development theories.
	5. Review and discuss human growth and development concerns relating to clinical practice.
	    A. Prematurity
	    B. Disease
	    C. End of Life
	    D. Palliative Care