

**CAREER TECHNOLOGY CENTER OF LACKAWANNA COUNTY
PRACTICAL NURSING**

Course Title: Medical-Surgical Nursing III Unit Title: Respiratory Disorders

Description: This unit deals with the etiology, symptoms, diagnostic procedures, treatment and nursing care of respiratory medical-surgical disorders.

Placement: Level IV Total Hours: 20

Parallel Courses: Medical-Surgical Courses: Dermatology, Endocrine, Oncology,
Family Life II and PVR II

Course Outcomes: At completion of the course, the student will:

1. Utilize the nursing process in providing care and promoting the patient with a respiratory disorder and families experiencing chronic and acute health problems/psychosocial distress.
2. Demonstrate skills necessary to provide safe, effective nursing care for the patient with a respiratory disorder.
3. Effectively apply the problem solving process in making decisions about the plan of care for the patient with respiratory disorder.
4. Communicate effectively with respiratory compromised patients, team members and faculty.
5. Demonstrate responsibility for personal actions within the legal parameters of the practical nursing Practice Act.
6. Promote individual family members' rights to health care decision making when caring for patients with a respiratory disorder.
7. Demonstrate personal qualities reflecting a commitment to respect human dignity and individual rights by adhering to the nursing code of ethics in providing care for the patient with a respiratory disorder.
8. Correlate theoretical knowledge of the patient with a respiratory disorder.
9. Support patients' psychosocial spiritual and cultural values in planning care for patients with a respiratory disorder.

Unit Outline:

1. Introduction/Anatomy and Physiology Review
2. Diagnostic Tests
3. Diseases of the Nose and Throat
4. Acute Respiratory Disorders
5. Chronic Respiratory Disorders
6. Care Post Thoracic Surgery
7. Medications used for Respiratory Disorders
8. Tuberculosis

Required: Williams, Linda/Hopper, Paula, *Understanding Medical Surgical Nursing*,
5th Ed., F.A. Davis Co., 2015.

PrepU. NCLEX-PN. Kluwer-Lippincott, Williams & Wilkons. Web. 2009-2019

Evaluation: The student will attain a minimum average of 80% in tests, quizzes and PrepU Comprehensive examinations in Medical Surgical Nursing.
The student must be present for Final Examination.
Completed clinical worksheet and a satisfactory clinical evaluation are required.
Pre and post reading assignments/ lecture quizzes may be given without announcement. It is the students responsibility to make up all quizzes/ test. All quizzes are graded at instructor discretion.

Instructor: Mary Joan Lavelle, RN, MSN

Date: August 2013

Revised: December 2014

Revised June 2019

*It is the student responsibility to monitor PrepU NCLEX online program and completion. Students are responsible for contacting PrepU technical support for sign on, mobile, and other difficulties. Technical issues are not a valid excuse for incomplete assignments. Students may utilize the Student Resource Computer lab if needed.

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
<p>The student will:</p> <ol style="list-style-type: none"> 1. Verbalize understanding of outcomes and requirements for course 2. Apply knowledge of A&P in plan of care for the patient with a respiratory disorder 3. Identify the nurses role when preparing patients for diagnostic studies. 4. Discuss etiology, diagnosis, symptoms and treatment for the patient with an acute respiratory disorder. Apply the problem solving process when making decision about management and nursing care of the patient with an acute respiratory disorder 	<p>.25</p> <p>.50</p> <p>3.25</p> <p>3.0</p>	<ol style="list-style-type: none"> 1. Introduction <ol style="list-style-type: none"> a. Objectives b. Requirements 2. Review A&P <ol style="list-style-type: none"> a. structures of the respiratory system b. function of the respiratory system 3. Lab and Diagnostic Studies (nurses role) <ol style="list-style-type: none"> a. chest x-rays b. sputum test c. bronchoscopy d. thoracentesis e. arterial blood gases 4. Acute Respiratory Disorders <ol style="list-style-type: none"> a. sinusitis b. nasal polyps c. deviated septum d. epistaxis e. pharyngitis f. laryngitis g. cancer of larynx 	<p>Handout course Objectives</p> <p>Williams & Hopper Throughout course Lecture (Power Point)</p> <p>Video: Blood gases Worksheet (gases)</p> <p>Video: Smoking and Health</p>	<p>Classroom</p> <p>Classroom/ Clinical</p> <p>Classroom Clinical</p>	<p>Blood Gas Quiz</p>

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
5. Correlate knowledge of respiratory Meds with assessment of the patient with a respiratory disorder	2.0	5. Respiratory Meds a. Bronchodilators b. Expectorants c. Mucolytic d. Respiratory Stimulants e. Antitussives	Lecture/Discussion	Classroom	
6. Discuss physiological and physio-social needs of the patient and family after a laryngectomy	1.0	6. Needs Post Laryngectomy a. Nutrition b. Communication c. Support group d. Trach care e. Suctioning	Demonstrate Suctioning	Classroom Clinical	Test 1
7. Identify environmental hazard Related to respiratory disorders	.50	7. Environmental Hazards a. Smoking b. Industrial chemicals c. Allergens	Judy Miller: NCLEX Review		
8. Describe Asthma and the Chronic Obstructive Pulmonary Disease (COPD) disorders that cause chronic airflow limitation	3.0	8. Asthma/ COPD Disorders a. Bronchitis b. Bronchiectasis c. Emphysema	Lecture Video: Asthma, Emphysema and Chronic Bronchitis Video: Asthma	Classroom	

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
9. Incorporate teaching needs of the COPD patient and family members into plan of care	2.0	9. Teaching Needs a. Medication therapy b. Nutrition c. Use of M.D.I. d. Breathing techniques e. Support groups	Handout Nix Demonstration/ Return Demonstration	Classroom	Instructor Observation
10. Discuss signs/symptoms and treatment of respiratory failure	1.0	10. Respiratory failure a. Signs/symptoms b. Treatment	Administer med to assigned patient	Clinical	
11. Incorporate the patient /family attitudes and values into the plan of care	1.0	11. Attitudes and Values Related to: a. Life style change b. Permanent Respiratory Diversion c. Ventilator Dependency	Clinical conference on vents Video: Mechanical Ventilation Part I & II	Classroom Clinical	
12. Identify patient teaching needs related to risk factors for lung cancer	.50	12. Risk factors a. Smoking b. Genetics c. Air pollution	Lecture/Discussion	Classroom	
13. Describe care of the patient who has experienced chest trauma	2.0	13. Care related to Chest Trauma a. Chest tubes b. Pleurodesis c. Respiratory therapy			

STUDENT LEARNING COURSE OUTCOMES	HR	CONTENT	LEARNING RESOURCE AND ACTIVITY	SETTING	EVALUATION
14. Discuss the principles of under water seal drainage	1.0	14. Principles of under water seal drainage <ul style="list-style-type: none"> a. Suction control chamber b. Water seal chamber c. Collection chamber 	Lecture/Discussion Video: Chest tubes Demonstration	Classroom Lab	
15. Identify the nurses role as health promoter for the patient with tuberculosis	2.5	15. Tuberculosis <ul style="list-style-type: none"> a. Signs and symptoms b. Infection control c. Vaccine d. Nutrition e. Medication compliance 	Lecture/Discussion Video: TB	Classroom	
16. Utilize principles of the nursing process to develop a nursing care plan for the patient with a respiratory disorder	0.5	16. Nursing Process <ul style="list-style-type: none"> a. Assessment b. Diagnosis c. Planning d. Implementation e. Evaluation 	Research assigned patient; Perform planned nursing care to assigned patient with respiratory disorder DVD: Judy Miller: NCLEX Review	Clinical	Clinical evaluation; Test 2 PrepU Comprehensive

RESPIRATORY BIBLIOGRAPHY

Books:

1. Brown, M. and Mulholland, J. (2016) *Drug Calculations: Process and Problems for Clinical Practice* (10th Ed.) St. Louis, MO: Elsevier
2. Deglin, J., Vallerand, A., Sanoski (2015) *Davis's Drug Guide for Nurses*, (14th Ed.) Philadelphia, PA: F.A. Davis Co.
3. Perry, A., Potter, P., Ostendorf, W. (2020) *Nursing Interventions and Clinical Skills*, 7th Ed., St. Louis, MO: Elsevier
4. VanLeeuwen, A. and Bladh, M. (2017). *Davis' Comprehensive Handbook of Laboratory and Diagnostic Tests with Nursing* (7th Ed.) Philadelphia, PA: F.A. Davis
5. Venes, D., & Taber, C.W. (2017). *Taber's cyclopedic medical dictionary*. Ed.22 illustrated in full color / Philadelphia: F.A. Davis
6. Williams, L., Hopper, P. (2015). *Understanding Medical Surgical Nursing* (5th Ed.) Philadelphia, PA: F.A. Davis

Journals:

1. Burt, L. Corbridge, S. (2013) COPD Exacerbations *AJN* 113(2) 34-43
2. Pullen, R. (2010) Assessing the Paranasal Sinuses. *Nursing* 40 (5), 49.
3. Todd, B. (2014) Emerging infections: Middle East Respiratory Syndrome (MERS-CoV) *AJN* 114 (1), 56-59
4. Warmkessel-Held, J. Schiech, L. (2014) Non-small cell lung cancer: Recent advances *Nursing* 2014 44(2) 32-42.

Historical Videos:

1. Asthma, Emphysema and Bronchitis
2. Patient Care with Chest Tubes
3. Tuberculosis: Prevention and Cure
4. Smoking Effects on Health

Web:

1. PrepU. NCLEX-PN. Kluwer-Lippincott, Williams, 7 Wilkons. Web. 2009-2019
2. *Nurse Tutor Video NCLEX- PN Review*. (2017). [DVD] Directed by J. Miller. Henniker, NH: Nursing Tutorial and Consulting Services.
3. <https://patient.info/doctor/diseases-and-different-ethnic-groups>
4. <http://www.uphs.upenn.edu/pastoral/events/srhig.html>