



El Camino College
COURSE OUTLINE OF RECORD – Official

Course Acronym:	NURS
Course Number:	247
Descriptive Title:	Advanced Medical-Surgical Nursing I
Division:	Health Sciences and Athletics
Department:	Nursing
Course Disciplines:	Nursing
Catalog Description:	In this course, students will explore biophysical concepts, knowledge of the critically ill patient across the life span and promoting wellness in culturally diverse populations and nursing management essential to the care of acute/chronic, critical, and emergency nursing. Clinical practice of critical care nursing will occur in a variety of settings.
Prerequisite:	Nursing 240 AND Nursing 242 AND Nursing 244 with a minimum grade of C
Co-requisite:	
Recommended Preparation:	
Enrollment Limitation:	Students must be admitted into the Nursing Program
Hours Lecture (per week):	2
Hours Laboratory (per week):	9
Outside Study Hours:	4
Total Course Hours:	198
Course Units:	5
Grading Method:	Letter Grade only
Credit Status:	Credit, degree applicable
Transfer CSU:	Yes
Effective Date:	Fall 2019
Transfer UC:	No
Effective Date:	
General Education:	ECC
Term:	
Other:	
CSU GE:	
Term:	
Other:	

IGETC:	
Term:	
Other:	
Student Learning Outcomes:	<p>SLO #1 Nursing Process Utilize the nursing process to prioritize patient care.</p> <p>SLO #2 Core Measures Synthesize concepts related to a core measure identified in a patient and evaluate interventions received according to national guidelines.</p> <p>SLO #3 Leadership Apply leadership theory and skills in the clinical setting.</p>
Course Objectives:	<ol style="list-style-type: none"> 1. Explain legal and ethical concepts related to leadership, skills, and decision making for quality nursing care. 2. Formulate the nursing process for patient safety and communication with health care team members. 3. Explain findings and the rationale for management of acutely ill patients with impaired oxygenation and tissue integrity. 4. Evaluate clinical findings and the rationale for management of acutely ill patients with impaired perfusion. 5. Discuss evidence-based practices for acutely/chronically ill patients with infectious/inflammatory status. 6. Discuss the pathophysiologic concepts for acutely ill patients with impaired elimination in the hospital settings. 7. Evaluate biophysical concepts as they apply across life span while considering impact of patient's developmental, spiritual, cultural, and sexual concepts. 8. Assess pharmacology and nutrition interventions in the care of acutely/chronically ill patients.
Major Topics:	<p>I. Tissue Integrity (4 hours, lecture)</p> <p>A. Burns B. Snake bites C. Animal bites D. Drowning</p> <p>II. Oxygenation (6 hours, lecture)</p> <p>A. Pulmonary embolism B. ARDS C. Pneumothorax D. Ventilators/CPAP E. Chest trauma</p> <p>III. Perfusion (9 hours, lecture)</p> <p>A. Acute MI B. Congestive heart failure C. Valvular heart disease D. CABG E. Acid F. Pacemakers G. Endocarditis H. Shock</p>

I. EKG

IV. Elimination (6.5 hours, lecture)

- A. Acute renal failure
- B. Chronic renal failure

V. Infection (4 hours, lecture)

- A. Multiple organ dysfunction
- B. Sepsis
- C. Systemic Inflammatory Response System

VI. Evidence-Based Practice (2.5 hours, lecture)

- A. Quality and Safety Education for Nurses (QSEN)

VII. Quality Improvement (2 hours, lecture)

- A. Core measures
- B. National Safety Guidelines

VIII. Collaborative and Safety (2 hours, lecture)

- A. National Academy of Medicine

IX. Clinical Orientation (10 hours, lab)

- A. Hospital specific policies and procedures
- B. Course specific policies and procedures

X. Pre-Clinical Conference (1 hour, lab)

- A. Discuss Plan of Care (POC) for the day

XI. Clinical Lab (One Patient) (20 hours, lab)

- A. Provide direct patient care for one adult patient with moderate to severely ill patients
- B. Receive and give partial shift reporting
- C. Administer routine and as needed (PRN) medications
 - 1. Oral
 - 2. Subcutaneous
 - 3. Intramuscular (IM)
 - 4. Intravenous piggy back (IVPB)
- D. Perform routine skills associated with direct patient care
 - 1. Vital signs
 - 2. Intake and output (I & O)
 - 3. Patient teaching
 - 4. Assist with dressing change
 - 5. Tube feeding care
 - 6. Glucose monitoring with covering of insulin based on sliding scale
 - 7. Blood transfusion
 - 8. Total parenteral nutrition (TPN)/ Peripheral Parenteral Nutrition (PPN)
 - 9. Starting and maintaining an intravenous infusion
 - 10. Wound management on Braden scale
- E. Shadowing the RN's assigned to specific patient

XII. Clinical Lab (Two Patients) (44 hours, lab)

- A. Provide direct patient care for two adult patients with moderate to severely ill patients
- B. Receive and give partial shift reporting
- C. Administer routine and as needed (PRN) medications

1. Oral
 2. Subcutaneous
 3. Intramuscular (IM)
 4. Intravenous piggy back (IVPB)
- D. Perform routine skills associated with direct patient care
1. Vital signs
 2. Intake and output (I & O)
 3. Patient teaching
 4. Assist with dressing change
 5. Tube feeding care
 6. Glucose monitoring with covering of insulin based on sliding scale
 7. Blood transfusion
 8. Total parenteral nutrition (TPN)/ Peripheral Parenteral Nutrition (PPN)
 9. Start and maintain an intravenous infusion
 10. Wound management on Braden scale
- E. Shadowing the RN's assigned to specific patient

XIII. Clinical Lab (Three Patients) (59 hours, lab)

- A. Provide direct patient care for three adult patients with moderate to severely ill patients
- B. Receive and give partial shift reporting
- C. Administer routine and as needed (PRN) medications
1. Oral
 2. Subcutaneous
 3. Intramuscular (IM)
 4. Intravenous piggy back (IVPB)
- D. Perform routine skills associated with direct patient care
1. Vital signs
 2. Intake and output (I & O)
 3. Patient teaching
 4. Assist with dressing change
 5. Tube feeding care
 6. Glucose monitoring with covering of insulin based on sliding scale
 7. Blood transfusion
 8. Total Parenteral Nutrition (TPN)/ Peripheral Parenteral Nutrition (PPN)
 9. Start and maintain an intravenous infusion
 10. Wound management on Braden scale
- E. Shadow the RN's assigned to specific patient

XIV. Post Conference (12 hours, lab)

- A. Discuss experience throughout the clinical day

XV. Simulation Lab (16 hours, lab)

- A. Provide care of the moderate to severely ill patients adult patient in a simulated environment

Total Lecture Hours:	36
Total Laboratory Hours:	162
Total Hours:	198

Primary Method of Evaluation:	2) Problem solving demonstrations (computational or non-computational)
Typical Assignment Using Primary Method of Evaluation:	Perform a literature search on one of the following topics related to quality improvement in the hospital, magnet status, budgeting, and staffing specific to the hospital setting. Present your findings in a two- to three-page report.
Critical Thinking Assignment 1:	Evaluate the status of the hospital you are currently in specific to one of the following topics; quality improvement, staffing, magnet status, budgeting, evidence-based practice. Write the critique to two typewritten pages. Utilize the Medline and Cumulative Index to Nursing and Allied Health Literature (CINAL) to search the articles within the last five years.
Critical Thinking Assignment 2:	Select a patient with one of the following concepts: infection, perfusion, and oxygenation. Analyze abnormal findings from your physical assessment and how they relate to the disease process. Compare any other tests as appropriate and evaluate the reason the particular test was ordered and the meaning of the test results. The paper is to be typed in APA format 6th edition.
Other Evaluation Methods:	Matching Items, Multiple Choice, Objective Exam, Other (specify), Quizzes, Term or Other Papers, True/False
Instructional Methods:	Demonstration, Discussion, Group Activities, Lab, Lecture, Multimedia presentations, Other (specify), Role play/simulation
If other:	
Work Outside of Class:	Answer questions, Observation of or participation in an activity related to course content (such as theatre event, museum, concert, debate, meeting), Required reading, Skill practice, Study, Written work (such as essay/composition/report/analysis/research)
If Other:	
Up-To-Date Representative Textbooks:	ATI eBook on the ATI website, https://www.atitesting.com/Home.aspx Giddens, J.F. (2021). <i>Concepts for Nursing Practice</i> . Elsevier. (3rd ed.). Hinkle, J. L., Cheever, K. H. (2021). <i>Brunner & Suddarth's Textbook of Medical-Surgical Nursing</i> (15 th ed). Philadelphia, PA: Lippincott, Williams, & Wilkins. LexisNexis. (2022). <i>California Nursing Practice Act with Regulations and Required Statutes</i> . LexisNexis Publishing Solutions Government. Lippincott. (2019). <i>Nursing 2020 Drug Guide</i> . Philadelphia, PA: Wolters Kluwer. American Psychological Association, <u>Publication Manual of the American Psychological Association</u> , 6th ed., Washington DC: American Psychological Association, 2009. (Discipline Standard)
Alternative Textbooks:	
Required Supplementary Readings:	
Other Required Materials:	
Requisite:	Prerequisite
Category:	sequential

<p>Requisite course(s): List both prerequisites and corequisites in this box.</p>	<p>Nursing 240 AND Nursing 242 AND Nursing 244 with a minimum grade of C</p>
<p>Requisite and Matching skill(s): Bold the requisite skill. List the corresponding course objective under each skill(s).</p>	<p>Utilize the nursing process to provide care of the adult patient with selected health problems and develop a teaching plan for the patient and their family.</p> <p>NURS 240 - Utilize the nursing process to provide nursing care for the adult patient with selected problems associated with the concepts of tissue integrity, gas exchange, acid-base balance, perfusion, nutrition, elimination, and sexuality.</p> <p>NURS 240 - Analyze the impact of culture, spirituality, sexuality, and age on patient's interpretation and knowledge related to his/her illness when planning and implementing a teaching plan.</p> <p>NURS 240 - Plan and perform nursing procedures including tracheostomy care and suctioning, initiation of intravenous therapy, and administration of intravenous fluids and medication according to established standards of nursing practice.</p> <p>NURS 240 - Apply the principles of pharmacology in the safe management of patients under the nurse's care.</p> <p>Demonstrate assessment skills and care of patients with alterations in oxygenation and perfusion problems and apply principles of pharmacology in the management of this patient.</p> <p>NURS 242 - Demonstrate understanding of biophysical concepts for patients with alterations in functional ability, development, family dynamics, and culture.</p> <p>NURS 242 - Apply the principle of pharmacology in the management of patients.</p> <p>NURS 242 - Demonstrate the nursing process in providing culturally competent and caring interventions across the life span for patients with common alterations in elimination and nutrition.</p> <p>NURS 242 - Compare and contrast common independent and collaborative interventions for patients with common alterations in comfort and spirituality.</p> <p>NURS 242 - Apply Quality and Safety Education for Nurses (QSEN) and National Academy of Medicine standards to patient care.</p> <p>Describe skill steps needed for safe administration of blood products, administering oxygen, nasotracheal and endotracheal suctioning as well as tracheostomy care.</p> <p>NURS 244 - Describe and perform the key elements of a complete physical assessment using a lab mannequin or a lab partner.</p> <p>NURS 244 - Explain the key steps used in:</p> <ul style="list-style-type: none"> A. Administering oxygen by cannula or face mask B. Oropharyngeal, nasopharyngeal C. Suctioning a tracheostomy or endotracheal tube D. Providing tracheostomy care

	NURS 244 - Describe the safety checks utilized to ensure proper blood administration.
Requisite Skill:	
Requisite Skill and Matching Skill(s): Bold the requisite skill(s). If applicable	
Requisite course:	
Requisite and Matching skill(s):Bold the requisite skill. List the corresponding course objective under each skill(s).	
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Enrollment Limitations and Category:	Students must be admitted into the Nursing Program
Enrollment Limitations Impact:	
Course Created by:	Mary K. Moon
Date:	05/10/2018
Original Board Approval Date:	07/16/2018
Last Reviewed and/or Revised by:	
Date:	
Last Board Approval Date:	1/17/2023