



El Camino College

COURSE OUTLINE OF RECORD - Approved

I. GENERAL COURSE INFORMATION

Subject and Number: Nursing 247
Descriptive Title: Advanced Medical-Surgical Nursing I
Course Disciplines: Nursing
Division: Health Sciences and Athletics

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.

Conditions of Enrollment:

Prerequisite: Nursing 240 AND Nursing 242 AND Nursing 244 with a minimum grade of C

Enrollment Limitation: Students must be admitted into the Nursing Program

Course Length: Full Term Other (Specify number of weeks):

Hours Lecture: 2.00 hours per week TBA

Hours Laboratory: 9.00 hours per week TBA

Course Units: 5.00

Grading Method: Letter

Credit Status: Associate Degree Credit

Transfer CSU: Effective Date: Proposed

Transfer UC: No

General Education:

El Camino College:

CSU GE:

IGETC:

II. OUTCOMES AND OBJECTIVES

A. COURSE STUDENT LEARNING OUTCOMES (The course student learning outcomes are listed below, along with a representative assessment method for each. Student learning outcomes are not subject to review, revision or approval by the College Curriculum Committee)

1. **Nursing Process:** Utilize the nursing process to prioritize patient care.
2. **Core Measures:** Synthesize concepts related to a core measure identified in a patient and evaluate interventions received according to national guidelines.
3. **Leadership:** Apply leadership theory and skills in the clinical setting.

The above SLOs were the most recent available SLOs at the time of course review. For the most current SLO statements, visit the El Camino College SLO webpage at <http://www.elcamino.edu/academics/slo/>.

B. Course Student Learning Objectives (The major learning objective for students enrolled in this course are listed below, along with a representative assessment method for each)

1. Apply legal and ethical concepts related to leadership, skills, and decision making for quality nursing care.
Term or other papers
2. Utilize the nursing process for patient safety and communication with health care team members.
Term or other papers
3. Analyze assessment findings and the rationale for management of acutely ill patients with impaired oxygenation and tissue integrity.
Multiple Choice
4. Evaluate clinical findings and the rationale for management of acutely ill patients with impaired perfusion
Other (specify)
Nursing Care Plan
5. Utilize evidence-based practices for acutely/chronically ill patients with infectious/inflammatory status.
Other (specify)
Case Study
6. Apply the pathophysiologic concepts for acutely ill patients with impaired elimination in the hospital settings.
Multiple Choice
7. Evaluate biophysical concepts as they apply across life span while considering impact of patient's developmental, spiritual, cultural, and sexual concepts.
Multiple Choice
8. Apply the principles of pharmacology and nutrition in the care of acutely/chronically ill patients.
Multiple Choice

III. OUTLINE OF SUBJECT MATTER (Topics are detailed enough to enable a qualified instructor to determine the major areas that should be covered as well as ensure consistency from instructor to instructor and semester to semester.)

Lecture or Lab	Approximate Hours	Topic Number	Major Topic
Lecture	10	I	Tissue Integrity A. Burns B. Snake bites C. Animal bites D. Drowning
Lecture	6	II	Oxygenation A. Pulmonary embolism B. ARDS C. Pneumothorax D. Ventilators/CPAP E. Chest trauma
Lecture	10	III	Perfusion A. Acute MI B. Congestive heart failure C. Valvular heart disease D. CABG E. Acid F. Pacemakers G. Endocarditis H. Shock I. EKG
Lecture	6.5	IV	Elimination A. Acute renal failure B. Chronic renal failure
Lecture	4	V	Infection A. Multiple organ dysfunction B. Sepsis C. Systemic Inflammatory Response System
Lecture	3	VI	Evidence-based Practice A. Quality and Safety Education for Nurses (QSEN)
Lecture	4	VII	Quality Improvement A. Core measures B. National Safety Guidelines
Lecture	2	VIII	Collaborative and Safety A. National Academy of Medicine
Lab	10	IX	Clinical Orientation A. Hospital specific policies and procedures B. Course specific policies and procedures
Lab	1	X	Pre-Clinical Conference A. Discuss Plan of Aare (POC) for the day

Lab	20	XI	<p>Clinical Lab (One Patient)</p> <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 0. Oral 1. Subcutaneous 2. Intramuscular (IM) 3. Intravenous piggy back (IVPB) D. Perform routine skills associated with direct patient care <ul style="list-style-type: none"> 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
Lab	44	XII	<p>Clinical Lab (Two Patients)</p> <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 1. Oral 2. Subcutaneous 3. Intramuscular (IM) 4. Intravenous piggy back (IVPB) D. Perform routine skills associated with direct patient care <ul style="list-style-type: none"> 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
Lab	59	XIII	<p>Clinical Lab (Three Patients)</p> <ul style="list-style-type: none"> A. Provide direct patient care for three adult patients with moderate to severely ill patients

			<p>B. Receive and give partial shift reporting.</p> <p>C. Administer routine and as needed (PRN) medications</p> <ol style="list-style-type: none"> 1. Oral 2. Subcutaneous 3. Intramuscular (IM) 4. Intravenous piggy back (IVPB) <p>D. Perform routine skills associated with direct patient care</p> <ol style="list-style-type: none"> 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 <p>E. Shadow the RN's assigned to specific patient</p>
Lab	12	XIV	<p>Post Conference</p> <p>A. Discuss experience throughout the clinical day</p>
Lab	16	XV	<p>Simulation Lab</p> <p>A. Provide care of the moderate to severely ill patients adult patient in a simulated environment</p>
Total Lecture Hours		36	
Total Laboratory Hours		162	
Total Hours		198	

IV. PRIMARY METHOD OF EVALUATION AND SAMPLE ASSIGNMENTS

A. PRIMARY METHOD OF EVALUATION:

Problem solving demonstrations (computational or non-computational)

B. 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.

C. COLLEGE-LEVEL CRITICAL THINKING ASSIGNMENTS:

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.
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.

D. OTHER TYPICAL ASSESSMENT AND EVALUATION METHODS:

- Objective Exams
- Quizzes
- Term or other papers
- Multiple Choice
- Matching Items
- True/False
- Other (specify):
 - ATI exams
 - Clinical Evaluations
 - Presentation

V. INSTRUCTIONAL METHODS

- Demonstration
- Discussion
- Group Activities
- Laboratory
- Lecture
- Multimedia presentations
- Role Play
- Simulation
- Other (please specify)
 - Disaster Drill
 - Flu clinic
 - ATI Exams

Note: In compliance with Board Policies 1600 and 3410, Title 5 California Code of Regulations, the Rehabilitation Act of 1973, and Sections 504 and 508 of the Americans with Disabilities Act, instruction delivery shall provide access, full inclusion, and effective communication for students with disabilities.

VI. WORK OUTSIDE OF CLASS

- Study
- Answer questions
- Skill practice
- Required reading
- Written work
- Observation of or participation in an activity related to course content

Estimated Independent Study Hours per Week: 4

VII. TEXTS AND MATERIALS

A. UP-TO-DATE REPRESENTATIVE TEXTBOOKS

Pearson. Nursing: A Concept-Based Approach to Learning, Volume I. 2nd ed. Pearson, 2015.
 Pearson. Nursing: A Concept-Based Approach to Learning, Volume II. 2nd ed. Pearson, 2015.
 American Psychological Association . Publication Manual of the American Psychological Association. 6th ed. Washington DC: American Psychological Association, 2009.

B. ALTERNATIVE TEXTBOOKS

C. REQUIRED SUPPLEMENTARY READINGS

D. OTHER REQUIRED MATERIALS

VIII. CONDITIONS OF ENROLLMENT

A. Requisites (Course and Non-Course Prerequisites and Corequisites)

Requisites	Category and Justification
Course Prerequisite Nursing-240 AND	Sequential
Course Prerequisite Nursing-242 AND	Sequential
Course Prerequisite Nursing-244	Sequential

B. Requisite Skills

Requisite Skills
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. 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. 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. 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. NURS 240 - Apply the principles of pharmacology in the safe management of patients under the nurse's care.
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. NURS 242 - Demonstrate understanding of biophysical concepts for patients with alterations in functional ability, development, family dynamics, and culture. NURS 242 - Apply the principle of pharmacology in the management of patients. 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. NURS 242 - Compare and contrast common independent and collaborative interventions for patients with common alterations in comfort and spirituality. NURS 242 - Apply Quality and Safety Education for Nurses (QSEN) and National Academy of Medicine standards to patient care

Describe skill steps needed for safe administration of blood products, administering oxygen, nasotracheal and endotracheal suctioning as well as tracheostomy care.
 NURS 244 - Describe and perform the key elements of a complete physical assessment using a lab mannequin or a lab partner.
 NURS 244 - Explain the key steps used in
 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.

C. Recommended Preparations (Course and Non-Course)

Recommended Preparation	Category and Justification
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D. Recommended Skills

Recommended Skills

E. Enrollment Limitations

Enrollment Limitations and Category	Enrollment Limitations Impact
Students must be admitted into the Nursing Program	

Course created on 05/10/2018.

BOARD APPROVAL DATE: 07/16/2018

LAST BOARD APPROVAL DATE: 5/21/19

Last Reviewed and/or Revised by Mary K. Moon on 05/10/2018

Last Reviewed and/or Revised by Mark K. Moon

Date: March 28, 2019

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