

**NR 75.1B Course Outline as of Fall 2020****CATALOG INFORMATION**

Dept and Nbr: NR 75.1B Title: INTRO TO MEDSURG NRSG

Full Title: Introduction to Medical Surgical Nursing

Last Reviewed: 2/3/2020

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	5.00	Lecture Scheduled	5.00	9	Lecture Scheduled	45.00
Minimum	5.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	15.00		Contact DHR	135.00
		Contact Total	20.00		Contact Total	180.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 90.00

Total Student Learning Hours: 270.00

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 42 - One Repeat if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

This course presents concepts in nursing practice with an emphasis on the beginning level of care for the adult medical-surgical patient. Nursing process, professionalism, basic physiological, psychosocial, and developmental needs and basic medical-surgical nursing skills are included in this course. Application of theoretical knowledge is guided by the Readiness for Practice Model. A number of teaching/learning strategies are incorporated in a variety of settings: classroom, skills laboratory and patient-care settings providing students an opportunity to apply the nursing process at the beginner level.

**Prerequisites/Corequisites:**

Course Completion of NR 75.2A OR NR 75.1A

**Recommended Preparation:****Limits on Enrollment:**

Admission to Program.

The healthcare facilities in which students are clinically placed require that the students must comply with all of the following before they are allowed onsite: Currency on all immunizations including annual flu shots; currency on annual tuberculosis clearance; a negative background check, a negative urine drug screen, and possess a current American Heart Association Certified

Healthcare Provider CPR/BLS card.

### **Schedule of Classes Information:**

Description: This course presents concepts in nursing practice with an emphasis on the beginning level of care for the adult medical-surgical patient. Nursing process, professionalism, basic physiological, psychosocial, and developmental needs and basic medical-surgical nursing skills are included in this course. Application of theoretical knowledge is guided by the Readiness for Practice Model. A number of teaching/learning strategies are incorporated in a variety of settings: classroom, skills laboratory and patient-care settings providing students an opportunity to apply the nursing process at the beginner level. (Grade Only)

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The healthcare facilities in which students are clinically placed require that the students must comply with all of the following before they are allowed onsite: Currency on all immunizations including annual flu shots; currency on annual tuberculosis clearance; a negative background check, a negative urine drug screen, and possess a current American Heart Association Certified Healthcare Provider CPR/BLS card.

Transfer Credit: CSU;

Repeatability: One Repeat if Grade was D, F, NC, or NP

### **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
<b>CSU Transfer:</b>	Transferable	Effective: Fall 2020	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Major Applicable Course

### **COURSE CONTENT**

#### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Apply evidence-based medical-surgical concepts to clinical practice at the beginning acute care level to provide safe nursing care for medical-surgical patients.
2. Devise and implement teaching plans that are individualized to meet patient's needs and abilities to participate in their care processes.
3. Collaborate with patients, families, and members of the interdisciplinary care team to prioritize patient care need and promote optimal wellness.

#### **Objectives:**

At the conclusion of this course, the student should be able to:

1. Analyze a patient's medical record in 15 minutes or less, at a level sufficient to begin

- providing safe and appropriate care.
2. Identify patients' care needs based on the pathophysiology of their admitting diagnoses and comorbid conditions.
  3. Prioritize care needs and develop plans, in collaboration with patients and families.
  4. Set measurable goals for patients' health outcomes, and evaluate their attainment, in collaboration with patients and families.
  5. Create and implement teaching plans that are congruent with patients' cognitive and physical abilities, motivation levels and goals.
  6. Describe community resources that may be utilized to meet patients' needs.
  7. Perform selected beginning medical-surgical nursing skills competently and appropriately, consistent with theoretical knowledge base, agency policy, state law and cultural considerations.
  8. Discuss standard of care for patients with selected illnesses, including pharmacological therapies.
  9. Describe the evidence for selected aspects of standard of care, within and across diagnostic categories.
  10. Document patient care using paper or electronic health records, consistent with care standards and agency policy.
  11. Communicate therapeutically with acutely ill medical-surgical patients, with attention to developmental, cultural and spiritual needs.
  12. Adapt communication strategies to meet needs and abilities of patients.
  13. Collaborate with members of the health care team to optimize patient care and to improve care outcomes.

## **Topics and Scope:**

### **I. Theory**

- A. Introduction to Medical-Surgical Nursing
- B. Intravenous Therapy I\* - Advanced fluids and electrolytes
- C. Intravenous Therapy II\* - IV site assessments, care, and complications
- D. Principles of Acid/Base Balance and Advanced Fluid and Electrolyte Disorders
- E. Advanced Care of the Cardiovascular Patient I
  1. Advanced nursing assessment and specific care considerations for the complex cardiovascular patient population, includes comfort and pain management
  2. Cardiovascular advanced pathophysiologies and complications
  3. Complex Hypertension, Heart Failure and Congestive Heart Failure
- F. Advanced Care of the Cardiovascular Patient II
  1. Nursing assessment and specific care considerations for the cardiovascular patient population with arterial deficits, includes comfort and pain management
  2. Coronary Artery Disease
  3. Peripheral Arterial Disease
- G. Electrocardiogram (EKG) Interpretation\*
  1. Assessment of common dysrhythmias
  2. EKG lead placement and procedure implementation
  3. EKG rhythm strip interpretation
- H. Nursing Care of the Surgical Patient
  1. Nursing assessment and specific care considerations for the surgical patient population, includes comfort and pain management
  2. Surgical asepsis concepts
  3. Pre- and Post-op Forms
  4. Peri-operative patient management
  5. Anesthesia medications

## I. Nursing Care of the Patient with Vascular Deficits

1. Nursing assessment and specific care considerations for the patient population with vascular deficits, includes comfort and pain management
2. Vascular deficits pathophysiology and complications
3. Signs, symptoms, treatment and coagulation therapies
4. Venous Thromboembolism, Deep Vein Thrombosis, and Peripheral Vascular Disease

## J. Nursing Care of the Diabetic Patient II

1. Nursing assessment and specific care considerations for the complex diabetic patient population, includes comfort and pain management
2. Advanced diabetes pathophysiology and complications

## K. Nursing Care of the Renal Patient II

1. Advanced nursing assessment and specific care considerations for the complex renal patient population, includes comfort and pain management
2. Renal advanced pathophysiologies and complications
3. Signs, symptoms, treatment and therapies
4. Bladder and ureter dysfunctions
5. Urinary diversion devices

## L. Pain Management for Nurses

1. Basic and advanced nursing pain assessments
2. Signs, symptoms, treatment and therapies
3. Patient Controlled Analgesia (PCA) intravenous therapy and dosage calculations\*

## M. Health, Wellness, and Sexuality Across the Lifespan

1. Nursing assessment and specific care considerations for the patient population experiencing health maintenance and sexuality deficits, includes comfort and pain management
2. Treatment and therapies supporting self-concept and appropriate developmental stages

## N. Responding to Emergent Situations

1. Basic nursing assessment and specific care considerations for the patient population experiencing rapidly changing health conditions, includes comfort and pain management
2. Signs, symptoms, treatment and therapies
3. Complications of Hypovolemic Shock, Sepsis, Infection, and Stress Response

## O. Advanced Medication Administration

1. Additional common medications - various routes
2. Antibiotic therapy
3. Safety - avoiding medication errors
4. Administration time management

## P. Ethics and Values in Nursing Practice

1. Nursing Code of Ethics
2. Promoting and modeling ethical nursing practice

\*These items are introduced in lecture, and the related skills are performed in the lab

## II. Skills

- A. All skills review of ADN first semester medical-surgical skills topics
- B. Intravenous Therapy: Primary and secondary infusions
- C. IV manipulation skills, saline flushes
- D. IV infusion pumps: Practice with IV bags, IVPBs, and PCA programs
- E. Electrocardiography: Obtaining the electrocardiogram and interpretation of major dysrhythmias
- F. Simulation lab experience

### III. Clinical

- A. Clinical application of beginning medical-surgical nursing practice in the acute care hospital setting: Standard patient care and pharmacotherapy
- B. Communication and collaboration with acute care patients respecting cultural and spiritual needs

### **Assignment:**

#### Lecture-Related Assignments:

1. Reading 70-100 pages per week
2. Unit and standardized exams: 4-6 per semester. Minimum cumulative score of 75% on four unit exams to continue in the nursing program

#### Lab-Related Assignments:

1. Reading prior to nursing skills demonstration 15-50 pages per skill
2. Completion of media review prior to each skills lab (1 -2 hours per lab)
3. Practice skill performance in simulated lab
4. Completion of skills lab quizzes; 1 per skill (ungraded)
5. Demonstrate competency in 2 formal skill check-offs within 3 attempts related to each skill lab topic: Pass/fail. Failure of skills competency results in dismissal from the nursing program.

#### Clinical-Related Assignments:

1. Completion of the safe medication dosage calculation exam with a score of 95% or better by the third attempt. This assignment is not graded for purposes of this course, but failure to pass this assignment with a grade of 95% or better on the third attempt will result in a failed grade and dismissal from the nursing program.
2. Clinical practice in acute care hospital settings (two 8 hour days per week). Students must meet minimum problem-solving skills and performance standards to pass this course. Provide safe care to 1-2 patients each clinical shift. Rubric graded: Pass/Fail. Achieving a pass in clinical practice is required to remain in the nursing program.
3. Preparation for clinical assignments by reviewing patient's chart: Collecting data base completing pathophysiology form, and researching medication and treatment skills - approximately 3-4 hours per week
4. Completion of clinical assessment tools, approximately 2 per week
5. Participation in case conferences for analysis of patient care situations in group setting each clinical shift
6. Develop, implement, and evaluate 1 teaching plan to meet assigned patient needs. Rubric graded Pass/Fail, with remediation for failure.
7. Preparation of nursing care plan (3 nursing diagnoses per plan). Includes data collection, data analysis, development of plan for nursing care with specific interventions and evaluation of effectiveness. Rubric graded Pass/Fail, with remediation for failure.
8. Preparation and participation in 1 simulation lab scenario (ungraded)

### **Methods of Evaluation/Basis of Grade:**

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Nursing care plan, teaching plan	Writing 10 - 20%
<b>Problem Solving:</b> Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.	
Clinical patient care: pass/fail, case conferences and analyses, clinical assessment tools	Problem solving 15 - 30%
<b>Skill Demonstrations:</b> All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	
Skills performance competencies	Skill Demonstrations 10 - 15%
<b>Exams:</b> All forms of formal testing, other than skill performance exams.	
Unit and standardized exams	Exams 40 - 60%
<b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.	
None	Other Category 0 - 0%

### Representative Textbooks and Materials:

California regulations for RN practice: accessible via California Board of Registered Nursing Internet website

Davis's Drug Guide for Nurses. 16th ed. Vallerand, A.H. and Sanoski, C. A. 2018. F.A. Davis. 2018

Gerontological Nursing. 9th ed. Eliopoulos, C. Lippincott. 2018

Varcarolis' Foundations of Psychiatric Mental Health Nursing: A Clinical Approach. 8th ed. Halter, M. Saunders. 2018

Dimensional Analysis: Calculating Dosages Safely. 2nd ed. Horntvedt, T. F.A. Davis. 2019

Pocket Companion for Physical Examination and Health Assessment. 8th ed. Jarvis, C. Saunders. 2019

Pharmacology: A Patient-Centered Nursing Process Approach. 9th ed. McCuistion, L.E. and Dimaggio, K. and Winton, M.B. Elsevier. 2017

Medical-Surgical Nursing. 10th ed. Lewis, S. M. and Heitkemper, M. M. and Dirksen, S.R. Mosby/Elsevier. 2019

Pathophysiology: The Biologic Basis for Disease in Adults and Children. 6th ed. McCance and Huether. Mosby Purnell. 2013 (classic)

Swearingen's Manual of Medical Surgical Nursing Care. 7th ed. Monahan, F. Mosby. 2010 (classic)

Mosby's Nursing Video Skills Student Online Version. 4th ed. Mosby Elsevier. 2013 (classic)

Mosby's Manual of Diagnostic and Laboratory Tests. 6th ed. Pagana, K. and Pagana, T. Elsevier/Mosby. 2017

Clinical Nursing Skills and Techniques. 9th ed. Perry, A.G. and Potter, P.A. and Ostendorf, W. Elsevier/Mosby. 2017

Phillips Manual of IV Therapeutics. 7th ed. Gorski, L. F.A. Davis. 2018

Fundamentals of Nursing. 9th ed. Potter, P.A. and Perry, A.G. Mosby. 2016

Pearson Nursing Diagnosis Handbook. 11th ed. Wilkinson, J.M. Pearson. 2016

