

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

Dept and Nbr: NR 75.1D Title: ADV MEDSURG NRSNG

Full Title: Advanced Medical Surgical Nursing

Last Reviewed: 2/3/2020

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	9.00	Lecture Scheduled	4.50	17.5	Lecture Scheduled	78.75
Minimum	9.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	13.50		Contact DHR	236.25
		Contact Total	18.00		Contact Total	315.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 157.50

Total Student Learning Hours: 472.50

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: NR 75D

**Catalog Description:**

Advanced concepts related to providing safe care and meeting the complex needs of the acutely ill adult medical-surgical patient. Concepts related to professionalism, a preceptorship experience, and advanced nursing skill practice in a variety of clinical settings gives students an opportunity to make the transition from student to professional nurse.

**Prerequisites/Corequisites:**

Course Completion of NR 75.1C AND NR 75.2C; OR Course Completion of NR 75C

**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:**

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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>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>	Transferable	Effective: Fall 1981	Inactive:
<b>UC Transfer:</b>		Effective:	Inactive:

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Student Learning Outcomes:**

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

1. Function as an entry-level professional registered nurse within the legal/ethical guidelines established by the Nurse Practice Act, and demonstrate the professional behaviors of responsibility, accountability, caring, and advocacy.
2. Demonstrate leadership through team leading and delegation of tasks to nursing care team members, while assuming responsibility for the tasks delegated.
3. Contribute to the interprofessional patient care team's shared decision-making process.
4. Integrate evidence-based knowledge with quality measures to deliver safe care to patients with multiple co-morbidities.
5. Qualify to take the National Council of State Boards of Nursing Examination (NCLEX-RN).

### **Objectives:**

#### **I. Theoretical Outcomes and Objectives**

##### **A. Theoretical Application for Professional Growth**

1. Analyze patient needs using the nursing process.

2. Select nursing interventions using critical thinking strategies applied to theoretical patient scenarios.
  3. Incorporate leadership and research principles into nursing practice by integrating best current evidence.
  4. Evaluate health care delivery systems and the ethical and legal roles of professional nursing within these systems.
  5. Provide patient teaching and health resources to promote optimum health.
  6. Solve conflict management issues using theoretical scenarios and leadership principles
  7. Formulate a plan for professional growth using the Readiness for Practice Theory during preceptorship.
  8. Understanding the rationale for acknowledgement of medical orders.
- B. Theoretical Content Application for Clinical Objectives in a Nursing Practice Scenario:
1. Plan for safety needs of more complex patients, patients with multi-system disorders, and patients with special vulnerabilities.
  2. Integrate the knowledge of health care needs into the nursing care of patients with problems related to altered:
    - a. Neurological status
    - b. Respiratory function
    - c. Immune and endocrine function
    - d. Mobility
    - e. Cellular growth
  3. Plan home care with patient, family, and health care team.
  4. Utilize principles of time management and organization to effectively deliver nursing care to a group of patients.
  5. Utilize professional communication in the nursing care of acutely ill patients.
  6. Demonstrate competency by integrating into nursing practice scientific, physiological and psychosocial concepts:
    - a. Neurological assessment
    - b. Tracheostomy care and advanced airway management
    - c. Performing venipuncture and intravenous access

## II. Professional Clinical Practice Objectives in Advanced Medical Surgical Nursing and Preceptorship

- A. Assess patient for physical manifestations of pathophysiological processes and identify patient self-care deficits.
- B. Use information technology to document findings, manage communication, share knowledge, mitigate error, and support decision making that improves patient outcomes.
- C. Initiate and/or maintain a current nursing care plan for assigned patients.
- D. Integrate the best current evidence based practice in clinical health care delivery.
- E. Implement and evaluate patient and family teaching in a variety of clinical settings.
- F. Use the nursing process and critical thinking to provide safe and effective patient care in a variety of practice settings.
- G. Demonstrate delegation and conflict resolution skills.
- H. Actively participate in quality improvement activities.
- I. Promote physical health and wellness by providing care and comfort, reducing patient risk potential, and managing health alterations.
- J. Collaborate effectively with other member of the multidisciplinary healthcare team.
- K. Collaborate with patients and families to provide compassionate and coordinated care-based on their preferences, values and needs.
- L. Function as an entry level RN within guidelines of the Nurse Practice Act and develop a professional growth plan in preceptorship.

## Topics and Scope:

### I. Theory

- A. Neurological Assessment of the Patient with Neurological Impairment\*
- B. Nursing Care of the Patient with Neurological Disease
  - 1. Basic nursing assessment and specific care consideration for patients with neurological diseases, includes comfort and pain management
  - 2. Seizures
  - 3. Amyotrophic Lateral Sclerosis (ALS)
  - 4. Guillain Barre Syndrome (GBS)
  - 5. Multiple Sclerosis (MS)
  - 6. Myasthenia Gravis (MG)
- C. Nursing Care of the Patient with Auto-Immune Disease
  - 1. Basic nursing assessment and specific care consideration for patients with auto-immune diseases, includes comfort and pain management
  - 2. Human immunodeficiency virus (HIV) care and complications
  - 3. Acquired immunodeficiency syndrome (AIDS) care and complications
  - 4. Lupus care and complications
  - 5. Lyme disease care and complications
- D. Nursing Care of the Patient with Respiratory Failure
  - 1. Basic nursing assessment and specific care consideration for patients with respiratory failure, includes comfort and pain management
  - 2. Signs, symptoms, treatment and supportive therapies
  - 3. Acute respiratory distress syndrome (ARDS) care and complications
  - 4. Tracheostomy care and complications\*
  - 5. Ventilator care and complications
- E. Nursing Care of the Patient with a Spinal Cord Injury
  - 1. Basic nursing assessment and specific care consideration for patients with a spinal cord injury, includes comfort and pain management
  - 2. Risks and prevention
  - 3. Signs, symptoms, treatment and supportive therapies
- F. Nursing Care of the Patient with Burns
  - 1. Basic nursing assessment and specific care consideration for patients with burns, includes comfort and pain management
  - 2. Risks and prevention
  - 3. Signs, symptoms, treatment and supportive therapies
- G. Nursing Care of the Patient with Endocrine Impairment
  - 1. Basic nursing assessment and specific care consideration for patients with endocrine impairment, includes comfort and pain management
  - 2. Signs, symptoms, treatment and supportive therapies
  - 3. Thyroid disorders care and complications
  - 4. Addison's Disease care and complications
  - 5. Cushing's Syndrome care and complications
- H. Nursing Care of the Patient with Cancer II
  - 1. Advanced nursing assessment and specific care consideration for patients with cancer, includes comfort and pain management
  - 2. Signs, symptoms and complications
  - 3. Treatment and supportive therapies: Chemotherapy, radiation and immuno-therapies
- I. Nursing Care of the Patient with Alterations in Cardiac Perfusion
  - 1. Basic nursing assessment and specific care consideration for patients with alterations in cardiac perfusion, includes comfort and pain management
  - 2. Signs, symptoms, complications, treatment and supportive therapies

- J. Nursing Care of the Patient with Alterations in Tissue Perfusion
  - 1. Basic nursing assessment and specific care consideration for patients with alterations in tissue perfusion, includes comfort and pain management
  - 2. Signs, symptoms, complications, treatment and supportive therapies
- K. Nursing Care of the Patient with Increased Intracranial Pressure
  - 1. Basic nursing assessment and specific care consideration for patients with increased intracranial pressure, includes comfort and pain management
  - 2. Signs, symptoms, complications, treatment and supportive therapies
  - 3. Head trauma
- L. Nursing Care of the Patient with Gastrointestinal Bleeding and Liver Failure
  - 1. Basic nursing assessment and specific care consideration for patients with gastrointestinal bleeding and liver failure, includes comfort and pain management
  - 2. Signs, symptoms, complications, treatment and supportive therapies
  - 3. Risk factors and prevention
- M. Nursing Care of the Trauma Patient in the Critical Care Environment
  - 1. Basic nursing assessment and specific care consideration for patients experiencing trauma, includes comfort and pain management
  - 2. Signs, symptoms, complications, treatment and supportive therapies
  - 3. Risk factors and prevention
  - 4. Care management in the emergency department (ED) and intensive care unit (ICU)
- N. Palliative Care and End of Life Treatment
  - 1. Basic nursing assessment and specific care consideration for patients receiving palliative care and end of life treatment, includes comfort and pain management
  - 2. Complications, treatment and supportive therapies
- O. Alternative and Complimentary Therapies
  - 1. Basic nursing assessment and specific care consideration for patients receiving alternative and complimentary therapies, includes comfort and pain management.
  - 2. Complications, treatment and supportive therapies
- P. Introduction to nursing research methods and evidence-based practice application to clinical care
- Q. Legal Aspects of Nursing Practice - accountability and liability
- R. Healthcare Delivery Systems - admission, discharge and case management
- S. Homecare and Community-Based Nursing Practice
  - 1. Vulnerable community populations and care needs identification
  - 2. Nursing assessment and care of the home care patient
  - 3. Community health prevention, education and early interventions
- T. Cultural and Ethnic Nursing - assessment and specific care consideration for patients in need of cultural and ethnic nursing, includes comfort and pain management
- U. Spiritual Nursing - assessment and specific care consideration for patients in need of spiritual nursing, includes comfort and pain management
- V. Advanced Professionalism in Nursing
  - 1. Quality Improvement
  - 2. Leadership and management
  - 3. Resume writing and job interview strategies
- W. Nurse Practice Act
  - 1. State Registered Nurse (RN) licensure regulations
  - 2. RN Intervention Program
  - 3. Supervision and delegation of unlicensed assistive personnel (UAP)
- X. Nursing Behavioral Objectives and Conflict Resolution
  - 1. Behavioral objective development and implementation
  - 2. Conflict resolution strategies and application
- Y. Orientation to Preceptorship: Preparation for formal preceptorship assignment

1. Preceptee identification of clinical strengths and areas for improvement
2. Preceptor assignment process
3. Clinical objective development to achieve success in preceptorship

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

## II. Skills

- A. All Skills Review of ADN first, second and third semester medical-surgical skills topics
- B. Neurological Assessment
- C. Advanced airway management and tracheostomy care

## III. Clinical

- A. Clinical application of advanced medical-surgical nursing practice in the acute care hospital setting: Standard care and pharmacotherapy
- B. Quality improvement, evidence-based practice and informatics application in the care of the acute care adult population
- C. Preceptorship: Novice to entry-level nurse transition experience

## Assignment:

### Lecture-Related Assignments:

1. Reading 70-250 pages per week.
2. Unit and standardized exams: 5-7 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 skills 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 skill lab topic: Rubric graded 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 advanced medical-surgical practice in acute care hospital settings (two 8 hour days per week for 8 weeks), continued application of critical thinking skills, including the use of evidence-based practice research. Students must meet minimum problem-solving skills and performance standards to pass this course. Provide safe care to 3-4 patients each clinical shift. Rubric graded Pass/Fail. Achieving a pass in clinical practice is required to remain in the nursing program.
3. Participation in case conferences for analysis of patient care situations in group setting each clinical shift.
4. Development of 1-3 nursing care plans based on assigned patient cases and promotion of quality patient outcomes. Rubric graded: Achieve score of 75% or better.
5. Development of 1-4 evidence-based practice research article critiques. Rubric graded: Achieve score of 75% or better.

6. Completion of 6-10 critical thinking journals. Rubric graded: Achieve score of 75% or better.
7. Preparation and participation in a simulation lab scenario (ungraded).
8. Completion of required preceptorship hours.

### 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.

Critical thinking journals, nursing care plan(s), evidence-based research article critiques

Writing  
5 - 15%

**Problem Solving:** 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, preceptorship required hours

Problem solving  
15 - 25%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Skills performance competencies

Skill Demonstrations  
5 - 10%

**Exams:** All forms of formal testing, other than skill performance exams.

Unit and standardized exams

Exams  
50 - 60%

**Other:** 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. McCuiston, 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

Leadership Roles and Management Functions in Nursing: Theory and Application. 9th ed. Marquis, B.L. and Huston, C.J. Lippincott Williams & Wilkins. 2017