



# ILLINOIS VALLEY COMMUNITY COLLEGE

## COURSE OUTLINE

**DIVISION:** Health Professions

**COURSE:** NUR 2212 Holistic Nursing IV

Date: Spring 2024

Credit Hours: 5

*Complete all that apply or mark "None" where appropriate:*

Prerequisite(s): Successful completion of all first year NUR courses and prerequisites; ENG 1001 and SOC 1000 with a grade of C or better.

Enrollment by assessment or other measure?  Yes  No

If yes, please describe:

Corequisite(s): None

Pre- or Corequisite(s): NUR 2200, NUR 2201, NUR 2202, ENG 1002 with a grade of C or better.

Consent of Instructor:  Yes  No

Delivery Method:	<input checked="" type="checkbox"/> Lecture	3 Contact Hours (1 contact = 1 credit hour)
	<input type="checkbox"/> Seminar	0 Contact Hours (1 contact = 1 credit hour)
	<input checked="" type="checkbox"/> Lab	1 Contact Hours (2-3 contact = 1 credit hour)
	<input checked="" type="checkbox"/> Clinical	4.5 Contact Hours (3 contact = 1 credit hour)

Offered:  Fall  Spring  Summer

### **CATALOG DESCRIPTION and IAI NUMBER (if applicable):**

The focus of this module is the nursing care of individuals throughout the life cycle with needs related to the cardiac, respiratory, vascular, and renal systems. The student is provided the opportunity to utilize critical thinking, the nursing process, nursing skills, theoretical knowledge, and management skills in various health care settings.

## **ACCREDITATION STATEMENTS AND COURSE NOTES:**

Students must earn 80% or better in this class to remain in the nursing program.

The grading scale is in accordance with the Nursing Handbook:

- 93-100 = A
- 86-92 = B
- 80-85 = C
- 70-79 = D
- Below 70 = F

A grade of 80.00% (with no rounding) or above is required to pass the theory portion of the course.

The clinical portion of the course is a pass/fail. In order to pass a nursing course with a clinical component, a passing grade must be obtained both in the clinical and the theory components

## **COURSE TOPICS AND CONTENT REQUIREMENTS:**

- I. Alterations in Respiratory Function
  - A. Respiratory Assessment and Diagnostics
  - B. Lower Respiratory Problems
    - 1. Review oxygen therapy on own
    - 2. Tuberculosis
    - 3. Fungal Infections/Lung Abscess
    - 4. Chest Trauma/Injuries
    - 5. Lung Surgery
    - 6. Pulmonary Emboli
    - 7. Chest Tube Drainage System
- II. Alterations in Respiratory Functions
  - A. Obstruction in Lung Disease
    - 1. Asthma
    - 2. Emphysema
    - 3. Chronic Bronchitis
    - 4. Bronchiectasis
    - 5. Cystic Fibrosis
  - B. Respiratory Failure
    - 1. Acute & Chronic Respiratory Failure
    - 2. Adult Respiratory Distress Syndrome (ARDS)
    - 3. Endotracheal Intubation/Mechanical Ventilation
  - C. Arterial Blood Gases
- III. Burns
  - 1. Discuss the classification of burn injury.
  - 2. Describe the emergent management of thermal burns, inhalation injury, electrical burns, and chemical burns. Include the initial assessment and

stabilization of a burn victim at the scene of injury and in the emergency room.

3. Escharotomies
4. Fluid resuscitation
5. Myoglobinuria
6. Analyze the systemic effects of burns and the associated nursing implications.
7. Assess burns using the "Rule of Nines" and the Lund-Browder method.
8. Describe airway management and oxygen therapy for the client with burns.
9. Analyze fluid & electrolyte shifts during the acute & emergent burn phases.
10. Examine basic principles of infection control in relation to a patient with a burn.
11. Discuss care of the skin graft and donor site for patients with skin cancer and burns.
12. Differentiate among the types of grafts used in reconstructive surgery.
13. Discuss the special needs of the patient with burns regarding pain, nutrition, and psychosocial support.
14. Discuss nursing care in the management of pain in the burn patient including acute care & maintenance.
15. Discuss the psychological reactions to severe burns

#### IV. Alterations in Vascular Function

- A. Vascular Assessment and Diagnostics
- B. Arteriosclerosis/Atherosclerosis
- C. Coronary Artery Disease
- D. Hypertension
- E. Aortic Disorders
  1. Aneurysm
  2. Dissection
- F. Arterial Occlusive Disorders
  1. Acute vs. Chronic (Atherosclerosis/Hyperlipidemia)
  2. Thromboangiitis Obliterans (Buerger's Disease)
  3. Raynaud's Disease
- G. Disorders of the Veins
  1. Venous Thromboembolism (VTE)
  2. Venous Insufficiency
- H. Pulmonary Emboli

#### V. Alterations in Cardiac Function

- A. Cardiac Assessment and Diagnostics
- B. Angina
- C. Myocardial Infarction (MI)
- D. Cardiogenic Shock
- E. Cardiac Dysrhythmias (only the following: NI Sinus Rhythm, S. Arrhythmia, S. Bradycardia, S. Tachycardia, Atrial Fibrillation, Premature Ventricular Contractions, Ventricular Tachycardia, Ventricular Fibrillation, Asystole).
- F. Pacemaker/Defibrillation/Cardioversion

- VI. Alterations in Cardiac Function
  - A. Congestive Heart Failure (CHF)
  - B. Cardiomyopathy
  - C. Valvular Heart Disease
  - D. Inflammatory & Infectious Heart Problems
    - 1. Rheumatic Fever/Heart Disease
    - 2. Pericarditis
    - 3. Myocarditis
    - 4. Endocarditis
    - 5. Kawasaki Disease
  - E. Congenital Heart Defects
    - 1. Cyanotic Heart Conditions
    - 2. Acyanotic Heart Conditions

### **INSTRUCTIONAL METHODS:**

Lecture  
Discussion  
Assigned Readings  
Videos  
Demonstrations  
Return Demonstrations  
Clinical – Direct Client Care  
Clinical  
Laboratory Practice and Evaluation  
Case Studies  
Clinical Correlation Projects  
Written Assignments  
Reflective Journaling  
Student Oral Presentations  
Special Projects as assigned

### **EVALUATION OF STUDENT ACHIEVEMENT:**

The student must meet the criteria outlined in the Nursing Student Handbook and the objectives of the course outlined in the Course Outline, Syllabus, and the Study Guide.

#### **Grading Policies:**

The student must attain the following:

80% average on theory exams (No rounding; solid 80% required to pass.)

Passing (satisfactory) grade on all assigned written work and/or projects (Ex: case studies, assigned clinical papers).

Passing (satisfactory) evaluation of clinical performance

Passing grade (100%) on Math Quiz as outlined in the Nursing Handbook

**A failure to attain any one of the above criteria will result in failure of the course.** Evidence of unsafe, ineffective, unethical, or unreliable nursing care will result in failure of the course regardless of exam scores or written assignments.

A completed, up-to-date portfolio must be presented to your clinical instructor at the time of clinical evaluations. Failure to do so will result in an “Incomplete” for the course. See the Nursing Handbook for portfolio guidelines.

**Grading Scale:**

Final grade will be a percentage of the total points earned on theory exams. This is not an average of the percentages of each exam.

The sum of the number of questions correct on exams/The sum of the number of total questions on theory exams = % of grade (Final Grade)

The grading scale is in accordance with the Nursing Handbook:

93-100	= A
86-92	= B
80-85	= C
70-79	= D
Below 70	= F

Student must attain a solid 80% to earn a C in the course with no rounding.

**Required Written Work or Projects:**

Required written work/projects have been developed as learning tools to assist the student to learn the material expected in this course. The written work/projects are evaluated on a pass/fail basis. **A satisfactory grade must be obtained on the required written work/projects to pass the course.** See guidelines for instructions on each assignment.

**Late papers will not be accepted.**

**The following written work and/or projects are required:**

**Clinical Reasoning Assignment**

One graded written nursing Clinical Correlation Project on a patient cared for during clinical is required in this course. The patient's main problem must cover a health disorder discussed in this course. The Clinical Correlation Project is due at the discretion of the clinical instructor. The clinical instructor will assign your clinical project client. If the Clinical Correlation Project is not completed by the assigned due date the student will have one point deducted from project grade for each day project is late. After 7 days of being late the student will receive a zero.

**Weekly Reflective Paper**

Students will be required to complete a Weekly Reflective paper. See guidelines for specific directions.

**INSTRUCTIONAL MATERIALS:****Textbooks**

Nursing Med/Surg Fall Custom Package (includes the following texts)

Harding, M.M, Kwong, J, Roberts, D, Hagler, D, Reinisch, C. (2020). Lewis's Clinical companion for Medical-Surgical Nursing, 11th edition. Elsevier.

Harding, M.M, Kwong, J, Roberts, D, Hagler, D, Reinisch, C. (2020). Lewis's Medical Surgical Nursing: Assessment and Management of Clinical Problems, 11th edition. Elsevier. (Comes in 2 volumes set and includes e-book

**Resources**

Evolve 360

**LEARNING OUTCOMES AND GOALS:****Institutional Learning Outcomes**

- 1) Communication – to communicate effectively;
- 2) Inquiry – to apply critical, logical, creative, aesthetic, or quantitative analytical reasoning to formulate a judgement or conclusion;
- 3) Social Consciousness – to understand what it means to be a socially conscious person, locally and globally;
- 4) Responsibility – to recognize how personal choices affect self and society.

### **Course Outcomes and Competencies**

#### **Outcome 1 – Students will be able to use the nursing process as a framework to compose and implement a plan of care for clients with selected health conditions.**

Competency 1.1 Demonstrate appropriate techniques used in the physical assessment of the cardio-vascular, pulmonary, and renal systems.

Competency 1.2 Identify assessment data which indicates complications or progression of conditions including (but not limited to) myocardial infarctions, congestive heart failure, chronic obstructive pulmonary disease, respiratory failure, and renal failure.

Competency 1.3 Utilize critical thinking and clinical reasoning to develop, implement, and evaluate client care.

Competency 1.4 Analyze nursing assessments, formulate nursing diagnoses, develop goals, implement interventions, and evaluate outcomes of clients with various cardiovascular, pulmonary, and renal problems.

Competency 1.5 Follow institutional policies in the clinical setting.

Competency 1.6 Practice within the legal framework of the Nurse Practice Act and standards of professional organizations.

Competency 1.7 Debate ethical issues relating to patients with chronic debilitating diseases such as chronic obstructive pulmonary disease, cardiomyopathy, congestive heart failure, and renal failure. Competency 1.8 Incorporate evidenced-based practice into clinical practice.

#### **Outcome 2: Select the most effective communication techniques with the client, their aggregates, and health care team members to meet the needs of the client(s) with complex health problems.**

Competency 2.1 Utilize therapeutic communication techniques to establish and maintain therapeutic relationships with clients and their aggregates giving consideration to sociocultural differences.

Competency 2.2 Collaborate with other health care team members in meeting the needs of clients and their aggregates.

Competency 2.3 Document all patient information sequentially, legally, concisely and accurately.

Competency 2.4 Utilize nursing informatics in seeking knowledge to assist with the formulation of clinical judgment and the delivery of safe, comprehensive client care

#### **Outcome 3: Evaluate knowledge of biopsychosocial adaptation of clients with complex health problems to develop a plan for promotion, maintenance, and restoration of health across the lifespan.**

Competency 3.1 Utilize critical thinking and clinical reasoning to develop, implement, and evaluate care of a client with a chest tube drainage system

Competency 3.2 Analyze arterial blood gas values in relation to respiratory function.

Competency 3.3 Interpret electrocardiographic patterns, correlate with client symptoms, and identify appropriate treatment modalities of common dysrhythmias.

Competency 3.4 Incorporate the pathophysiology of disease processes with the clients' assessment data; formulate and implement an appropriate safe plan of care.

Competency 3.5 Utilize the nursing process, legal/ethical guidelines, and evidenced based practice to formulate, implement, and evaluate a plan of care for clients of various ages with compromised health dealing with the cardiovascular, pulmonary, or renal systems.

Competency 3.6 Compare the mechanisms of action, use, normal doses, side-effects, and nursing considerations for medications used to treat clients with cardiovascular, pulmonary, and/or renal problems.

Competency 3.7 Compare and contrast the role of the nurse in promoting and maintaining wellness, preventing illness, restoring health, and facilitating coping in clients across the lifespan.

**Outcome 4: Coordinates safe client care practices and incorporates quality improvement measures to improve client care outcomes.**

Competency 4.1 Value the use of data to improve quality and safety of client care outcomes.

Competency 4.2 Demonstrate safe client care practices in diverse settings.

**Outcome 5: Integrate principles of management and leadership through coordination, collaboration, delegation, and supervision of health care team members in the planning and provision of nursing care.**

Competency 5.1 Implement the nursing process to establish priorities for organizing nursing care among clients and their aggregates.

Competency 5.2 Demonstrate accountability for quality outcomes of client care.

Competency 5.3 Coordinate, collaborate, delegate, and supervise members of the health care team.

Competency 5.4 Implement appropriate nursing management for clients with cardiovascular, pulmonary, and/or renal problems.

**Outcome 6: Collaborate with community resources to meet the needs of clients with health care issues.**

Competency 6.1 Identify local and national support services available for clients and their aggregates.

Competency 6.2 Integrate understanding of how diversity in clients affects their health care needs.

Competency 6.3 Recognize the impact of socio-cultural and economic factors in the clients' utilization of health care resources.

Competency 6.4 Implement safe client centered care with respect for the diversity of all individuals.

**Outcome 7: Exhibits professional qualities that are expected of a nurse.**

Competency 7.1 Deliver quality client centered care in a safe, conscientious, and knowledgeable manner.

Competency 7.2 Conduct personal and professional life with integrity.

Competency 7.3 Demonstrate accountability to clients and professional peers.

Competency 7.4 Value characteristics of life-long learning.