



MERCER
COUNTY COMMUNITY COLLEGE

COURSE OUTLINE

Course Number NRS245	Course Title Concepts of Nursing Practice III	Credits 6
Hours: Lecture/Lab/Other 3/3/8	Co- or Pre-requisite Pre-requisites: NRS150	Implementation Semester & Year Fall 2024

Catalog description:

Builds on the previous nursing coursework to further advance the understanding and application of concepts of nursing practice to care of diverse clients with complicated acute and chronic conditions across the lifespan, including the reproducing family. The application of knowledge and skills occurs in the nursing laboratories and a variety of clinical settings.

General Education Category:
Not GenEd

Course coordinator: Nursing faculty TBD

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 609-570-3526

Required texts & Other materials:

Adams, M.L., Holland, L.N. & Urban, C.Q. (2019) Pharmacology for Nurses A Pathophysiologic Approach. (6th Edition) Pearson Education, Inc. ISBN: 978-0135218334

Callahan, B. (2018). Clinical Nursing Skills: A Concept-Based Approach to Learning, Volume Three, 3rd. Edition. Pearson Education, Inc. ISBN: 978-0134616834

Giangrasso, A., & Shrimpton, D. (2013). Dosage calculations: a multi-method approach. Pearson Education, Inc. ISBN: 978-0132158626

MyNursingLab: Electronic resource bundle from Pearson that includes study materials and additional electronic textbooks. Sold in college bookstore as a bundle with concept textbooks and pharmacology text. May be purchased separately for approximately \$310 by visiting <https://registration.mypearson.com/#payment-option>

Pearson. (2018). Nursing: A Concept-Based Approach to Learning, Volume I, 3rd Edition Pearson Education, Inc. ISBN 978-0134616803

Pearson. (2018). Nursing: A Concept-Based Approach to Learning, Volume II, 3rd Edition Pearson Education, Inc. ISBN 978-0134616803

Silvestri, L.A, (2020) Saunders Comprehensive Review for the NCLEX-RN Examination, 8th Edition.

Elsevier Saunders. ISBN 978-0323672849

Adobe PDF Reader (Free Version) installed on your computer or device

Microsoft Teams App installed on your device. This is free through your MyMercer account.

Stethoscope, blood pressure cuff, penlight, and wrist watch with a second hand

Regular access to a computer with internet access and ability to generate Microsoft Office documents (Word, Excel, and PowerPoint).

Course Student Learning Outcomes (SLO):

Upon successful completion of this course, the student will be able to:

CLO1: Apply clinical judgement to provide safe, evidence-informed patient-centered nursing care in a variety of healthcare settings to diverse patient populations across the lifespan, including the reproducing family. (PLO1, ILG2, ILG3, IGL11).

CLO2: Select written and verbal therapeutic communication, information literacy, and use of healthcare technology to promote safe and positive outcomes through the continuum of care delivery. (PLO2, ILG1, ILG4, ILG10).

CLO3: Examine the collaborative relationships with members of the interprofessional team, the patient, and the patient's support person to promote care that incorporates a culturally humble and holistic focus. (PLO3, ILG5, ILG8).

CLO4: Examine health equity concerns through the inclusion of social determinants of health in the nursing process. (PLO4, ILG5, IGL11).

CLO5: Demonstrate a professional identity that includes a spirit of inquiry and an ethical practice with advocacy for patient centered care. (PLO5, ILG9).

Course-specific Institutional Learning Goals (ILG):

Institutional Learning Goal 1. Written and Oral Communication in English. Students will communicate effectively in both speech and writing.

Institutional Learning Goal 2. Mathematics. Students will use appropriate mathematical and statistical concepts and operations to interpret data and to solve problems.

Institutional Learning Goal 3. Science. Students will use the scientific method of inquiry, through the acquisition of scientific knowledge.

Institutional Learning Goal 4. Technology. Students will use computer systems or other appropriate forms of technology to achieve educational and personal goals.

Institutional Learning Goal 5. Social Science. Students will use social science theories and concepts to analyze human behavior and social and political institutions and to act as responsible citizens.

Institutional Learning Goal 8. Diversity and Global Perspective: Students will understand the importance of a global perspective and culturally diverse peoples

Institutional Learning Goal 9. Ethical Reasoning and Action. Students will understand ethical frameworks, issues, and situations.

Institutional Learning Goal 10. Information Literacy: Students will recognize when information is needed and have the knowledge and skills to locate, evaluate, and effectively use information for college level work.

Institutional Learning Goal 11. Critical Thinking: Students will use critical thinking skills understand, analyze, or apply information or solve problems.

Program Learning Outcomes for Nursing

PLO1: Apply clinical judgement to provide safe, evidence-informed patient-centered nursing care in a variety of healthcare settings to diverse patient populations across the lifespan. (ILG2, ILG3, IGL11)

PLO2: Implement written and verbal therapeutic communication, information literacy, and use of healthcare technology to promote safe and positive outcomes through the continuum of care delivery. (ILG1, ILG4, ILG10)

PLO3: Collaborate with members of the interprofessional team, the patient, and the patient's support person to promote care that incorporates a culturally humble and holistic focus (ILG5, ILG8)

PLO4: Promote health equity through the inclusion of social determinants of health in the nursing process (ILG5, IGL11).

PLO5: Develop a professional identity that includes a spirit of inquiry and an ethical practice with advocacy for patient centered care (ILG9).

Unit 1: Cellular Regulation (Supports CLO1, 2, 3, 4,5)

Learning Objective: Explain nursing care for clients with complicated acute and chronic alterations in cellular regulation.

1. Cellular regulation
 - a. Solid tumors
 - i. -breast
 - ii. -lung
 - iii. -colorectal
 - iv. -pancreas
 - v. -prostate
 - vi. -skin
 - b. Liquid tumors
 - i. -lymphoma
 - ii. -leukemia
 - c. Aplastic anemia
2. Tissue Integrity
 - a. Radiation burns

Unit 2: Intracranial Regulation (Supports CLO1, 2, 3, 4,5)

Learning Objective: Explain nursing care for clients with complicated acute and chronic alterations in intracranial regulation.

3. Intracranial Regulation
 - a. Stroke

- i. -thrombotic
- ii. -embolic

Unit 3: Metabolism (Supports CLO1, 2, 3, 4,5)

Learning Objective: Explain nursing care for clients with complicated acute and chronic alterations in metabolism.

4. Metabolism and Hormonal Regulation

- a. Thyroid and parathyroid
- b. Adrenal disease – Cushings and Addisons

Unit 4: Perfusion (Supports CLO1, 2, 3, 4,5)

Learning Objective: Explain nursing care for clients with complicated acute and chronic alterations in perfusion and oxygenation.

5. Perfusion

- a. Sinus and atrial rhythm
- b. Stable bradycardias
- c. Stable tachycardias
- d. Afib/aflutter
- e. Congenital heart defects
- f. MI
- g. Angina
- h. CHF

6. Oxygenation

- a. Pleural effusion
- b. Newborn resp distress

Unit 5: Immunity, Inflammation, and Mobility (Supports CLO1, 2, 3, 4,5)

Learning Objective: Explain nursing care for clients with complicated acute and chronic alterations in immunity, inflammation, and mobility.

7. Immunity and Inflammation

- a. Hepatitis
- b. Cirrhosis

8. Mobility

- a. Rheumatoid arthritis
- b. Lupus
- c. Multiple scleroris

Unit 6: Women's Health and Reproduction (Supports CLO1, 2, 3, 4,5)

Learning Objective: Explain nursing care for clients with complicated acute and chronic alterations in women's health and reproduction.

9. Women's Health

- a. Menopause
- b. Breast health
- c. Hysterectomy
- d. Pelvic floor prolapse

10. Reproduction

- a. Antepartum care
 - b. Intrapartum care
 - c. Postpartum care
 - d. Maternal emergencies
 - e. Infertility treatments
11. Addiction
- a. Neonatal abstinence syndrome
12. Growth and development
- b. Newborn assessment
13. Nutrition
- c. Phenylketonuria
14. Cognition
- d. Fetal alcohol syndrome
 - e. Down Syndrome

Evaluation of student learning:

Assessment	Percentage of Grade
Exam 1	12%
Exam 2	12%
Exam 3	12%
Exam 4	12%
Exam 5	12%
Final Cumulative Exam	25%
Maternity HESI Exam	5%
Fundamentals HESI Exam	5%
vSIM Patient Scenarios	5%
Total	100%