



Western Technical College

10543105 Nursing Health Alterations

Course Outcome Summary

Course Information

Description	This course elaborates upon the basic concepts of health and illness as presented in Nursing Fundamentals. It applies theories of nursing in the care of patients through the lifespan, utilizing problem solving and critical thinking. This course will provide an opportunity to study conditions affecting different body systems and apply evidence-based nursing interventions. It will also introduce concepts of leadership and management.
Career Cluster	Health Science
Instructional Level	Associate Degree Courses
Total Credits	3
Total Hours	54

Pre/Corequisites

Prerequisite	10543102 Nursing Skills
Prerequisite	10543103 Nursing Pharmacology
Prerequisite	10543104 Nursing Intro to Clinical Practice
Prerequisite	10806177 General Anatomy and Physiology OR 20806207 Anatomy and Physiology I

Textbooks

Nursing Today: Transition and Trends – with Access. 11th Edition. Copyright 2023. Zerwekh, JoAnn and Ashley Zerwekh Garneau. Publisher: Elsevier Science. **ISBN-13**: 978-0-323-81015-9. Required. (This book is part of a Western bundle package.)

Medical-Surgical Nursing: Concepts for Interprofessional Collaborative Care Volume 1 & 2. 10th Edition. Copyright 2021. Ignatavicius, Donna D, M. Linda Workman, and Cherie Rebar. Publisher: Elsevier Science. **ISBN-13**: 978-0-323-61241-8. Required. (This book is part of a Western bundle package.)

Maternal-Child Nursing. 6th Edition. Copyright 2022. McKinney, Emily Slone, Sharon Smith Murray, Susan R. James, and Jean Ashwill. Publisher: Elsevier Science. **ISBN-13:** 978-0-323-69788-0. Required. (This book is part of a Western bundle package.)

HESI Package (Dosage Calculation Online, Practice and Proctored Assessment Unlimited, HESI Case Studies, EAQ for NCLEX, 3 Day Review Course). Publisher: Elsevier Science. Required.

Success Abilities

1. Cultivate Passion: Increase Self-Awareness
2. Live Responsibly: Foster Accountability
3. Refine Professionalism: Improve Critical Thinking
4. Refine Professionalism: Practice Effective Communication

High Impact Practices

1. Community Based Learning Project: a key learning outcome of this course is to connect academic learning and civic development while simultaneously addressing a community partner's needs, interests, or problems.

Program Outcomes

1. Integrate professional nursing identity reflecting integrity, responsibility, and nursing
2. Communicate comprehensive information using multiple sources in nursing practice
3. Integrate theoretical knowledge to support decision making
4. Integrate the nursing process into patient care across diverse populations
5. Function as a healthcare team member to provide safe and effective care

Course Competencies

1. Plan nursing care for patients undergoing surgery (peri-operative)

Assessment Strategies

- 1.1. in an oral, written, or performance assessment
- 1.2. Written Objective Test
- 1.3. Assignment

Criteria

Your performance will be successful when you:

- 1.1. apply principles of evidence-based practice when using the nursing process
- 1.2. explore the roles and responsibilities of the nurse in peri-operative care
- 1.3. identify the legal aspects of peri-operative care
- 1.4. identify lifespan considerations of the surgical patient
- 1.5. apply principles of patient-centered care when considering diversity of the patient
- 1.6. recognize the value of therapeutic communication in the peri-operative setting
- 1.7. consider use of common pharmacological and non-pharmacological measures for peri-operative care

Learning Objectives

- 1.a. Explain the necessary assessments for clients in the pre and postoperative period.

- 1.b. Explain nursing interventions for diverse clients across the lifespan in the peri-operative period.
- 1.c. Explore legal aspects of peri-operative care.
- 1.d. Summarize the role of the nurse in the peri-operative setting.
- 1.e. Examine pharmacological and non-pharmacological interventions for clients in the peri-operative setting.
- 1.f. Explain therapeutic communication strategies useful in the peri-operative setting.

2. Plan nursing care for patients with alterations in the musculoskeletal system

Assessment Strategies

- 2.1. in an oral, written, or performance assessment
- 2.2. Written Objective Test
- 2.3. Assignment
- 2.4. Case Study

Criteria

Your performance will be successful when you:

- 2.1. apply principles of evidence-based practice when using the nursing process
- 2.2. explore the roles and responsibilities of the nurse in caring for the patient with musculoskeletal disorders (i.e. mobility)
- 2.3. explain the pathophysiology of musculoskeletal disorders
- 2.4. identify lifespan considerations of the patient
- 2.5. apply principles of patient-centered care when considering diversity of the patient
- 2.6. consider use of common pharmacological and non-pharmacological measures for the patient with musculoskeletal disorders
- 2.7. recognize the value of therapeutic communication in caring for the patient with musculoskeletal disorders
- 2.8. recognize common laboratory and diagnostic tests

Learning Objectives

- 2.a. Apply evidence-based practice when making common musculoskeletal nursing assessments.
- 2.b. Explain common musculoskeletal disorders and related pathophysiology for clients across the lifespan.
- 2.c. Apply principles of client-centered care when delivering interventions to a diverse population.
- 2.d. Examine laboratory and diagnostic tests associated with the musculoskeletal system.
- 2.e. Examine pharmacological and non-pharmacological interventions for clients with musculoskeletal disorders.
- 2.f. Explain therapeutic communication strategies in caring for clients with musculoskeletal disorders.
- 2.g. Summarize the nurse's role and responsibilities in caring for clients with musculoskeletal disorders.

3. Plan nursing care for patients with alterations in the cardiovascular system

Assessment Strategies

- 3.1. in an oral, written, or performance assessment
- 3.2. Written Objective Test
- 3.3. Assignment

Criteria

Your performance will be successful when you:

- 3.1. apply principles of evidence-based practice when using the nursing process
- 3.2. explore the roles and responsibilities of the nurse in caring for the patient with cardiovascular disorders
- 3.3. explain the pathophysiology of cardiovascular disorders
- 3.4. identify lifespan considerations of the patient
- 3.5. apply principles of patient-centered care when considering diversity of the patient
- 3.6. recognize the value of therapeutic communication in caring for the patient with cardiovascular disorders
- 3.7. consider use of common pharmacological and non-pharmacological measures for the patient with cardiovascular disorders
- 3.8. recognize common laboratory and diagnostic tests

Learning Objectives

- 3.a. Apply evidence-based practice when making common cardiovascular nursing assessments.
- 3.b. Explain common cardiovascular disorders and related pathophysiology for clients across the lifespan.
- 3.c. Apply principles of client centered care when delivering interventions to a diverse population with

- cardiovascular disorders.
- 3.d. Examine laboratory and diagnostic tests associated with the cardiovascular system.
- 3.e. Examine pharmacological and non-pharmacological interventions for clients with cardiovascular disorders.
- 3.f. Explain therapeutic communication strategies in caring for clients with cardiovascular disorders.
- 3.g. Summarize the nurse's role and responsibilities in caring for clients with cardiovascular disorders.

4. Plan nursing care for patients with alterations in the respiratory system

Assessment Strategies

- 4.1. in an oral, written, or performance assessment
- 4.2. Written Objective Test
- 4.3. Assignment

Criteria

Your performance will be successful when you:

- 4.1. apply principles of evidence-based practice when using the nursing process
- 4.2. explore the roles and responsibilities of the nurse in caring for the patient with respiratory disorders
- 4.3. explain the pathophysiology of respiratory disorders
- 4.4. identify lifespan considerations of the patient
- 4.5. apply principles of patient-centered care when considering diversity of the patient
- 4.6. recognize the value of therapeutic communication in caring for the patient with respiratory disorders
- 4.7. consider use of common pharmacological and non-pharmacological measures for the patient with respiratory disorders
- 4.8. recognize common laboratory and diagnostic tests

Learning Objectives

- 4.a. Apply evidence-based practice when making common respiratory nursing assessments.
- 4.b. Explain common respiratory disorders and related pathophysiology for clients across the lifespan.
- 4.c. Apply principles of client centered care when delivering interventions to a diverse population with respiratory disorders.
- 4.d. Examine laboratory and diagnostic tests associated with the respiratory system.
- 4.e. Examine pharmacological and non-pharmacological interventions for clients with respiratory disorders.
- 4.f. Explain therapeutic communication strategies in caring for clients with respiratory disorders.
- 4.g. Summarize the nurse's role and responsibilities in caring for clients with respiratory disorders.

5. Plan nursing care for patients with alterations with autoimmune and malignancy disorders

Assessment Strategies

- 5.1. in an oral, written, or performance assessment
- 5.2. Written Objective Test
- 5.3. Assignment

Criteria

Your performance will be successful when you:

- 5.1. apply principles of evidence-based practice when using the nursing process
- 5.2. explore the roles and responsibilities of the nurse in caring for the patient with autoimmune and malignancy disorders
- 5.3. explain the pathophysiology of autoimmune and malignancy disorders
- 5.4. identify lifespan considerations of the patient
- 5.5. apply principles of patient-centered care when considering diversity of the patient
- 5.6. recognize the value of therapeutic communication in caring for the patient with autoimmune and malignancy disorders
- 5.7. consider use of common pharmacological and non-pharmacological measures for the patient with autoimmune and malignancy disorders
- 5.8. recognize common laboratory and diagnostic tests

Learning Objectives

- 5.a. Apply evidence-based practice when making nursing assessments of clients with autoimmune and malignancy disorders.
- 5.b. Explain common autoimmune and malignancy disorders and related pathophysiology for clients across the lifespan.

- 5.c. Apply principles of client centered care when delivering interventions to a diverse population with autoimmune and malignancy disorders.
- 5.d. Examine laboratory and diagnostic tests associated with autoimmune and malignancy disorders.
- 5.e. Examine pharmacological and non-pharmacological interventions for clients with autoimmune and malignancy disorders.
- 5.f. Explain therapeutic communication strategies in caring for clients with autoimmune and malignancy disorders.
- 5.g. Summarize the nurse's role and responsibilities in caring for clients with autoimmune and malignancy disorders.

6. Plan nursing care for patients with alterations in hematology

Assessment Strategies

- 6.1. in an oral, written, or performance assessment
- 6.2. Written Objective Test
- 6.3. Assignment

Criteria

Your performance will be successful when you:

- 6.1. apply principles of evidence-based practice when using the nursing process
- 6.2. explore the roles and responsibilities of the nurse in caring for the patient with hematology disorders
- 6.3. identify nursing responsibilities during the administration of blood products
- 6.4. explain the pathophysiology of hematology disorders
- 6.5. identify lifespan considerations of the patient
- 6.6. apply principles of patient-centered care when considering diversity of the patient
- 6.7. recognize the value of therapeutic communication in caring for the patient with hematology disorders
- 6.8. consider use of common pharmacological and non-pharmacological measures for the patient with hematology disorders
- 6.9. recognize common laboratory and diagnostic tests

Learning Objectives

- 6.a. Apply evidence-based practice when making common hematologic nursing assessments.
- 6.b. Explain common hematologic disorders and related pathophysiology for clients across the lifespan.
- 6.c. Apply principles of client centered care when delivering interventions to a diverse population with hematologic disorders .
- 6.d. Examine laboratory and diagnostic tests associated with the hematologic disorders.
- 6.e. Examine pharmacological and non-pharmacological interventions for clients with hematologic disorders.
- 6.f. Explain therapeutic communication strategies in caring for clients with hematologic disorders.
- 6.g. Summarize the nurse's role and responsibilities in caring for clients with hematologic disorders.
- 6.h. Examine nursing responsibilities associated with the administration of blood products.

7. Plan nursing care for patients with alterations of the nervous system

Assessment Strategies

- 7.1. in an oral, written, or performance assessment
- 7.2. Written Objective Test
- 7.3. Assignment

Criteria

Your performance will be successful when you:

- 7.1. apply principles of evidence-based practice when using the nursing process
- 7.2. explore the roles and responsibilities of the nurse in caring for the patient with nervous system disorders
- 7.3. explain the pathophysiology of nervous system disorders
- 7.4. identify lifespan considerations of the patient
- 7.5. apply principles of patient-centered care when considering diversity of the patient
- 7.6. recognize the value of therapeutic communication in caring for the patient with nervous system disorders
- 7.7. consider use of common pharmacological and non-pharmacological measures for the patient with nervous system disorders
- 7.8. recognize common laboratory and diagnostic tests

Learning Objectives

- 7.a. Apply evidence-based practice when making common nervous system disorder nursing assessments.
- 7.b. Explain common nervous system disorders and related pathophysiology for clients across the lifespan.
- 7.c. Apply principles of client centered care when delivering interventions to a diverse population with nervous system disorders.
- 7.d. Examine laboratory and diagnostic tests associated with the nervous system.
- 7.e. Examine pharmacological and non-pharmacological interventions for clients with nervous system disorders.
- 7.f. Explain therapeutic communication strategies in caring for clients with nervous system disorders.
- 7.g. Summarize the nurse's role and responsibilities in caring for clients with nervous system disorders.

8. Plan nursing care for patients with alterations of endocrine system

Assessment Strategies

- 8.1. in an oral, written, or performance assessment
- 8.2. Written Objective Test
- 8.3. Assignment

Criteria

Your performance will be successful when you:

- 8.1. apply principles of evidence-based practice when using the nursing process
- 8.2. explore the roles and responsibilities of the nurse in caring for the patient with endocrine disorders
- 8.3. explain the pathophysiology of endocrine disorders
- 8.4. identify lifespan considerations of the patient
- 8.5. apply principles of patient-centered care when considering diversity of the patient
- 8.6. recognize the value of therapeutic communication in caring for the patient with endocrine disorders
- 8.7. consider use of common pharmacological and non-pharmacological measures for the patient with endocrine disorders
- 8.8. recognize common laboratory and diagnostic tests

Learning Objectives

- 8.a. Apply evidence-based practice when making common endocrine nursing assessments.
- 8.b. Explain common endocrine disorders and related pathophysiology for clients across the lifespan.
- 8.c. Apply principles of client centered care when delivering interventions to a diverse population with endocrine disorders.
- 8.d. Examine laboratory and diagnostic tests associated with the endocrine system.
- 8.e. Examine pharmacological and non-pharmacological interventions for clients with endocrine disorders.
- 8.f. Explain therapeutic communication strategies in caring for clients with endocrine disorders.
- 8.g. Summarize the nurse's role and responsibilities in caring for clients with endocrine disorders.

9. Plan nursing care for patients with alterations of the gastrointestinal system

Assessment Strategies

- 9.1. in an oral, written, or performance assessment
- 9.2. Written Objective Test
- 9.3. Assignment

Criteria

Your performance will be successful when you:

- 9.1. apply principles of evidence-based practice when using the nursing process
- 9.2. explore the roles and responsibilities of the nurse in caring for the patient with gastrointestinal disorders
- 9.3. identify lifespan considerations of the patient
- 9.4. apply principles of patient-centered care when considering diversity of the patient
- 9.5. incorporate the value of therapeutic communication in caring for the patient with gastrointestinal disorders
- 9.6. consider use of common pharmacological and non-pharmacological measures for the patient with gastrointestinal disorders
- 9.7. recognize common laboratory and diagnostic tests

Learning Objectives

- 9.a. Apply evidence-based practice when making common gastrointestinal system nursing assessments.
- 9.b. Explain common gastrointestinal system disorders and related pathophysiology for clients across the lifespan.

- 9.c. Apply principles of client centered care when delivering interventions to a diverse population with gastrointestinal system disorders.
- 9.d. Examine laboratory and diagnostic tests associated with the gastrointestinal system.
- 9.e. Examine pharmacological and non-pharmacological interventions for clients with gastrointestinal system disorders.
- 9.f. Explain therapeutic communication strategies in caring for clients with gastrointestinal system disorders.
- 9.g. Summarize the nurse's role and responsibilities in caring for clients with gastrointestinal system disorders.

10. Plan nursing care for patients with alterations of the renal/urinary system

Assessment Strategies

- 10.1. in an oral, written, or performance assessment
- 10.2. Written Objective Test
- 10.3. Assignment

Criteria

Your performance will be successful when you:

- 10.1. apply principles of evidence-based practice when using the nursing process
- 10.2. explore the roles and responsibilities of the nurse in caring for the patient with renal/urinary disorders
- 10.3. explain the pathophysiology of renal/urinary disorders
- 10.4. identify lifespan considerations of the patient
- 10.5. apply principles of patient-centered care when considering diversity of the patient
- 10.6. recognize the value of therapeutic communication in caring for the patient with renal/urinary disorders
- 10.7. consider use of common pharmacological and non-pharmacological measures for the patient with renal/urinary disorders
- 10.8. recognize common laboratory and diagnostic tests

Learning Objectives

- 10.a. Apply evidence-based practice when making common renal/urinary system nursing assessments.
- 10.b. Explain common renal/urinary system disorders and related pathophysiology for clients across the lifespan.
- 10.c. Apply principles of client centered care when delivering interventions to a diverse population with renal/urinary system disorders.
- 10.d. Examine laboratory and diagnostic tests associated with the renal system and renal/urinary system disorders.
- 10.e. Examine pharmacological and non-pharmacological interventions for clients with renal/urinary system disorders.
- 10.f. Explain therapeutic communication strategies in caring for clients with renal/urinary system disorders.
- 10.g. Summarize the nurse's role and responsibilities in caring for clients with renal/urinary system disorders.

11. Develop a plan for making the transition from student to practicing nurse

Assessment Strategies

- 11.1. in an oral, written, or performance assessment
- 11.2. Written Objective Test
- 11.3. Assignment

Criteria

Your performance will be successful when you:

- 11.1. develop a plan that includes a current resume
- 11.2. develop a plan that includes steps for preparing for the NCLEX-PN
- 11.3. develop a plan that includes actions for obtaining a nursing credential
- 11.4. develop a plan that is professionally presented

Learning Objectives

- 11.a. Explore the process for obtaining a nursing credential.
- 11.b. Examine the steps for preparing for the NCLEX-PN.
- 11.c. Prepare a current resume.
- 11.d. Prepare for professional job interviews.

12. Apply leadership principles

Assessment Strategies

- 12.1. in an oral, written, or performance assessment
- 12.2. Written Objective Test
- 12.3. Assignment

Criteria

Your performance will be successful when you:

- 12.1. choose an appropriate leadership style
- 12.2. outline or perform the necessary leadership actions
- 12.3. apply appropriate conflict resolution strategies
- 12.4. respond within the roles and responsibilities of the charge LPN position (i.e. evaluation and feedback)
- 12.5. communicate thoughts, feelings, and ideas to justify a position
- 12.6. establish credibility through competence and integrity
- 12.7. take other's viewpoints into consideration

Learning Objectives

- 12.a. Summarize various leadership styles
- 12.b. Examine appropriate, professional conflict resolution strategies.
- 12.c. Explore the roles and responsibilities of the charge LPN position within the scope of practice.
- 12.d. Communicate clearly and professionally while considering other's viewpoints.

13. Manage care for a group of patients according to the Nurse Practice Act**Assessment Strategies**

- 13.1. in an oral, written, or performance assessment
- 13.2. Written Objective Test
- 13.3. Assignment

Criteria

Your performance will be successful when you:

- 13.1. prioritize patient care needs
- 13.2. incorporate appropriate time management principles
- 13.3. detail the work plan for all members of the health care team

Learning Objectives

- 13.a. Prioritize client care needs
- 13.b. Examine appropriate time management principles
- 13.c. Examine components of a work plan for members of the health care team as it relates to client care needs.
- 13.d. Incorporate an understanding of legal risks into your nursing practice and recognize how to minimize these.