



Western Technical College

10543112 Nursing Advanced Skills

Course Outcome Summary

Course Information

Description	This course focuses on the development of advanced clinical skills across the lifespan. Content includes advanced intravenous skills, blood product administration, chest tube systems, basic electrocardiogram interpretation and nasogastric/feeding tube insertion.
Career Cluster	Health Science
Instructional Level	Associate Degree Courses
Total Credits	1
Total Hours	36

Pre/Corequisites

Prerequisite	10543105 Nursing Health Alterations
Prerequisite	10543106 Nursing Health Promotion
Prerequisite	10543107 Nursing Clinical Care Across the Lifespan
Prerequisite	10543108 Nursing Introduction to Clinical Care Management
Pre/Corequisite	10806197 Microbiology

Textbooks

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.)

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: Expand a Growth-Mindset
2. Cultivate Passion: Increase Self-Awareness
3. Live Responsibly: Embrace Sustainability
4. Live Responsibly: Foster Accountability
5. Refine Professionalism: Practice Effective Communication

Program Outcomes

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

Course Competencies

1. Initiate IV therapy via peripheral access

Assessment Strategies

- 1.1. in an oral, written or performance assessment
- 1.2. Pre-class Assignment
- 1.3. Performance Assessment
- 1.4. Written Objective Test

Criteria

Your performance will be successful when you:

- 1.1. incorporate modifications to reflect variations across the lifespan
- 1.2. select the correct equipment, material, and supplies
- 1.3. choose the correct site
- 1.4. wear personal protective equipment
- 1.5. follow safety procedures
- 1.6. verbalize an explanation of the principles
- 1.7. present sound reasoning as you describe the decisions you make throughout the process
- 1.8. perform all steps in the right order

Learning Objectives

- 1.a. Identify various pain control measures used for IV insertion.
- 1.b. Identify peripheral IV sites appropriate for the client situation.
- 1.c. Select various IV insertion devices/sizes that are appropriate for procedure and client situation.
- 1.d. Perform IV insertion utilizing the Performance Assessment Tool (PAT) guidelines.
- 1.e. Practice the procedure for conversion of a continuous IV to a "lock"utilizing the PAT guidelines.
- 1.f. Discuss implications for use of a PCA pump.
- 1.g. Assess factors that increase the risk of complications from IV therapy.
- 1.h. Apply nursing interventions appropriate for complications of IV therapy.
- 1.i. Demonstrate the procedure for blood specimen collection via venipuncture, utilizing the PAT guidelines.

2. Administer IV push medications

Assessment Strategies

- 2.1. in an oral, written or performance assessment
- 2.2. Pre-class Assignment
- 2.3. Performance Assessment
- 2.4. Written Objective Test

Criteria

Your performance will be successful when you:

- 2.1. incorporate modifications to reflect variations across the lifespan
- 2.2. select the correct equipment, instruments, materials, or supplies
- 2.3. wear personal protective equipment
- 2.4. follow safety procedures
- 2.5. verbalize an explanation of the principles
- 2.6. present evidence-based practice and industry standards
- 2.7. perform all steps in the right order

Learning Objectives

- 2.a. Explain the advantages and disadvantages of administering IV push medications.
- 2.b. Explain the procedure and safety principles essential for administration of IV push medications.
- 2.c. Outline the necessary steps to administer medications via IV push.
- 2.d. Correlate the factors that may increase the risk for complications of IV push medications with associated nursing interventions to prevent their occurrence.
- 2.e. Demonstrate the skill of IV push utilizing the Performance Assessment Tool (PAT) guidelines across the lifespan.

3. Manage central lines

Assessment Strategies

- 3.1. in an oral, written or performance assessment
- 3.2. Pre-class Assignment
- 3.3. Performance Assessment
- 3.4. Written Objective Test

Criteria

Your performance will be successful when you:

- 3.1. incorporate modifications to reflect variations across the lifespan
- 3.2. select the correct equipment, and supplies
- 3.3. wear personal protective equipment
- 3.4. follow safety procedures
- 3.5. verbalize an explanation of the principles
- 3.6. present evidence-based practice and industry standards
- 3.7. perform all steps in the right order

Learning Objectives

- 3.a. Distinguish between common types of central venous access devices and the rationale for use.
- 3.b. Explain the procedure for maintenance of various types of central venous access devices.
- 3.c. Demonstrate the skill of medication administration through a central venous access device utilizing the Performance Assessment Tool (PAT) guidelines.
- 3.d. Identify the components of Total Parenteral Nutrition (TPN) and the rationale for administration.
- 3.e. Demonstrate the skill of TPN administration through a central venous access device utilizing the Performance Assessment Tool (PAT) guidelines.
- 3.f. Correlate potential complications of TPN administration across the lifespan with associated nursing assessments and interventions to prevent occurrence.
- 3.g. Explain the procedure for obtaining blood specimens from a central venous access device.

4. Manage administration of blood products

Assessment Strategies

- 4.1. in an oral, written or performance assessment
- 4.2. Pre-class Assignment
- 4.3. Performance Assessment
- 4.4. Written Objective Test

Criteria

Your performance will be successful when you:

- 4.1. incorporate modifications to reflect variations across the lifespan
- 4.2. select the correct equipment and supplies
- 4.3. wear personal protective equipment

- 4.4. follow safety procedures
- 4.5. verbalize an explanation of the principles
- 4.6. present evidence-based practice and industry standards
- 4.7. verbalize potential blood transfusion reactions
- 4.8. identify nursing interventions for the blood transfusion reactions
- 4.9. perform all steps in the right order

Learning Objectives

- 4.a. Explain the rationale for administration of blood products.
- 4.b. Differentiate between types of blood products.
- 4.c. Explain nursing assessments and interventions indicated to prevent potential complications associated with blood product administration across the lifespan.
- 4.d. Determine compatible IV solutions and appropriate tubing for administration of blood products.
- 4.e. Explain the procedure and safety principles essential for administration of blood products across the lifespan.
- 4.f. Demonstrate the skill of blood product administration utilizing the Performance Assessment Tool (PAT) guidelines.

5. Interpret basic electrocardiogram patterns

Assessment Strategies

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

Criteria

Your performance will be successful when you:

- 5.1. identify the basic rhythm
- 5.2. detail the nursing intervention in response to the rhythm (both pharmacological and nonpharmacological)
- 5.3. support your interpretation with relevant evidence

Learning Objectives

- 5.a. Explain the rationale for use of cardiac monitoring.
- 5.b. Justify variations in electrode placement for cardiac monitoring.
- 5.c. Identify normal sinus rhythm.
- 5.d. Discriminate between normal sinus rhythm and dysrhythmias.
- 5.e. Identify basic cardiac dysrhythmias.
- 5.f. Correlate the adverse effects of basic dysrhythmias with client's hemodynamic status, including signs and symptoms.
- 5.g. Explain nursing interventions for basic cardiac dysrhythmias.
- 5.h. Differentiate between cardioversion and defibrillation and when these would be used.
- 5.i. Correlate the implications of temporary and permanent pacemakers with appropriate nursing interventions.

6. Insert NG/feeding tubes

Assessment Strategies

- 6.1. in an oral, written or performance assessment
- 6.2. Pre-class Assignment
- 6.3. Written Objective Test
- 6.4. Performance Assessment

Criteria

Your performance will be successful when you:

- 6.1. incorporate modifications to reflect variations across the lifespan
- 6.2. select the correct equipment, materials and supplies
- 6.3. wear personal protective equipment
- 6.4. follow safety procedures
- 6.5. verbalize an explanation of the principles
- 6.6. present evidence-based practice and industry standards
- 6.7. perform all steps in the right order

Learning Objectives

- 6.a. Identify the rationale for nasogastric/feeding tube insertion across the lifespan.
- 6.b. Demonstrate the procedure, including safety principles, for insertion of a nasogastric/feeding tube.
- 6.c. Demonstrate the procedure and safety principles for discontinuing a nasogastric/feeding tube.
- 6.d. Outline nursing interventions for common nasogastric/feeding tube problems, including modifications across the lifespan.
- 6.e. Determine specific assessments to complete during insertion and maintenance of the nasogastric/feeding tube.
- 6.f. Perform the skill of nasogastric tube insertion utilizing the Performance Assessment Tool (PAT) guidelines.

7. Manage chest tube drainage systems

Assessment Strategies

- 7.1. in an oral, written or performance assessment
- 7.2. Pre-class Assignment
- 7.3. Performance Assessment
- 7.4. Written Objective Test

Criteria

Your performance will be successful when you:

- 7.1. incorporate modifications to reflect variations across the lifespan
- 7.2. select the correct equipment, supplies, and materials
- 7.3. wear personal protective equipment
- 7.4. follow safety procedures
- 7.5. verbalize an explanation of the principles
- 7.6. present evidence-based practice and industry standards

Learning Objectives

- 7.a. Identify indications for chest tube placement across the lifespan.
- 7.b. Compare different types of closed chest drainage systems.
- 7.c. Explain the safety principles for maintenance of chest drainage systems.
- 7.d. Examine nursing assessments and interventions for clients with chest drainage systems.
- 7.e. Demonstrate nursing assessment/management of chest drainage system utilizing the Performance Assessment Tool (PAT) guidelines.