COURSE OUTLINE

Firelands Regional Medical Center School of Nursing
Sandusky, Ohio

MEDICAL SURGICAL NURSING

January 2025

COURSE HOURS:	105	Theory Hours
	12	Planned Laboratory Hours
	14	Planned Simulation Hours
	3	Planned Observation Hours
	106	Planned Clinical Hours
	132	Total number of Laboratory, Simulation, and Clinical hours combined
	240	**Total Course Hours**
	10	Credit Hours

FACULTY: Rachel Haynes, MSN, RN (Course Co-Coordinator)
Heather Schwerer, MSN, RN (Course Co-Coordinator)
Dawn Wikel, MSN, RN, CNE (Course Co-Coordinator)
Kelly Ammanniti, MSN, RN, CHSE
Monica Dunbar, DNP, RN
Nick Simonovich, MSN, RN

TEACHING ASSISTANT: Stacia Atkins, BSN, RN

GRADUATE STUDENT: None

COURSE OBJECTIVES:
At the conclusion of the course, the student will be able to:

1. Illustrate correlations to demonstrate the pathophysiological alterations in adult patients with medical-surgical problems. (2,3,4,5)*

2. Perform physical assessments as a method for determining deviations from normal. (3,4,5)*

3. Execute safety precautions in the implementation of quality, patient-centered care and evidence-based nursing interventions. (2,3,4,5,8)*

4. Use therapeutic communication techniques to establish a baseline for nursing decisions. (1,5,7)*

5. Implement patient education based on teaching needs of patients and/or significant others. (1,6)*

6. Implement patient-centered plans of care utilizing the nursing process, clinical judgment, and consideration for cultural, ethnic, and social diversity. (2,3,4,5)*

7. Illustrate professional conduct including self-examination, responsibility for learning, and goal setting. (7)*

*End-of-Program Student Learning Outcomes

COURSE DESCRIPTION:

This course focuses on assessment and nursing care of the adult client with endocrine, gastrointestinal, hepatic, renal, neurological, sensory, musculoskeletal, cancerous, male reproductive, and respiratory disorders. Theory presented addresses patient and family educational, cultural, and spiritual needs, community resources, diet therapy, pharmacotherapy and gerontological considerations. Students use the nursing process and clinical judgment in the care of diverse adult clients in a variety of clinical settings. The course is offered in the spring semester. This course is taken in the second year.

Prerequisite: Nursing Foundations

TEXTBOOK(S):

REQUIRED:

Harding, M., Kwong, J., Hagler, D., & Reinisch, C. (2023). *Lewis's medical- surgical nursing: Assessment and management of clinical problems* (12th ed.). St. Louis, MO: Elsevier, Inc.

Assessment Technologies Institute; LLC. (2023). *RN pharmacology for nursing* (9th ed.). ATI.

Assessment Technologies Institute; LLC. (2023). *RN adult medical surgical nursing* (12th ed.). ATI.

Assessment Technologies Institute; LLC. (2024). *Pharmacology made easy 5.0 tutorial*. ATI.

vSim- https://thePoint.lww.com

Skyscape- https://www.skyscape.com. Electronic device loaded with: Nursing Constellation Plus and Nurse's Pocket Guide

Optional:

Nugent, P.M. & Vitale, B.A. (2020). *Test success* (9th ed.). Philadelphia, PA: F.A. Davis Company.

Doherty, C.D. (2020). *Med-surg success* (4th ed.). Philadelphia, PA: F.A. Davis Company.

Purchase an NCLEX-RN review book.

TEACHING STRATEGIES:

- Assigned Textbook Readings
- Lecture and Discussion
- Audio-Visual Aids
- Demonstrations
- Evidence-Based Poster
- Clinical Judgment Exercises
- Pharmacology Activities
- NCLEX Practice Sessions
- Interactive Group Activities
- Practice NCLEX Test Items
- Simulation Lab
- Case Studies
- Online Lecture
- Virtual Simulation Scenarios
- Guest Speakers
- Critical Thinking Exercises
- Care Maps
- Gaming
- Globalization Presentation
- Skills Videos
- PEARLS Simulation Debriefing
- Pharmacology Independent Studies
- Prioritization, Collaboration, & Delegation Activities
- SBAR Handoff Report

METHODS OF EVALUATION:

- Quizzes
- Final Exam
- Evidence-Based Poster Rubric
- Nursing Care Map Rubric
- Clinical Debriefing
- Globalization Presentation Rubric
- Skills Lab Competency Tool & Skills Checklists
- Simulation Prebrief & Reflection Journals
- Clinical Discussion Groups Grading Rubric
- Evaluation of Clinical Performance Tool
- ATI Proctored Assessment
- Lasater's Clinical Judgment Rubric & Scoring Sheet
- Virtual Simulation Scenarios
- Meditech Documentation

BIBLIOGRAPHY OF LEARNING RESOURCES:

Casler, K., & Chaney, A. (2021). Cirrhosis: An evidence-based approach. *Nursing2022, 51*(2), 24-34. doi: 10.1097/01.NURSE.0000731828.24893.bb

Chapman, W., Siau, K., Thomas, F., Ernest, S., Begum, S., Iqbal, T., & Bhala, N. (2019). Acute upper gastrointestinal bleeding: A guide for nurses. *British Journal of Nursing*, *28*(1). https://doi.org/10.12968/bjon.2019.28.1.53

Fernandes AGO, Silva TCRD. (2020, December). War against the COVID-19 pandemic: Reflection in light of Florence Nightingale's nursing theory. *Rev Bras Enferm*,73. doi: 10.1590/0034-7167-2020-0371. PMID: 33338172.

Galante, C.M. (2022). Asthma management updates. *Nursing 2022, 52*(2), 25-34. DOI-10.1097/01.NURSE.0000806156.52958.3c

Global Strategy for the Diagnosis, Management, and Prevention of Chronic Obstructive Pulmonary Disease- Global Initiative for Chronic Obstructive Lung Disease (GOLD) 2023. Available from https://goldcopd.org/2023-gold-report-2/

Goltz, H. H., Major, J. E., Goffney, J., Dunn, M. W., & Latini, D. (2021, January). Collaboration between oncology social workers and nurses: A patient-centered interdisciplinary model of bladder cancer care. *Seminars in oncology nursing*, 37(1), 151114. doi.org/10.1016/j.soncn.2020.151114

Lucas, A., & Ward, C. (2022, July). Manual and continuous bladder irrigation: Best practices. *Nursing*, *52*(7), 31-36. doi: 10.1097/01.NURSE.0000832324.25954.7b.

Pruitt, B. (2024). Strategies for interpreting arterial blood gases. *Nursing*, *54*(1), 16–21. https://doi.org/10.1097/01.nurse.0000995560.71478.3f.

Salottolo, K., Panchal, R., Madayag, R. M., Dhakal, L., Rosenberg, W., Banton, K. L., ... & Bar-Or, D. (2021). Incorporating age improves the Glasgow Coma Scale score for predicting mortality from traumatic brain injury. *Trauma Surgery & Acute Care Open*, *6*(1), e000641.

Skoretz SA, Anger N, Wellman L, Takai O, Empey A.(2020, December). A Systematic Review of Tracheostomy Modifications and Swallowing in Adults. *Dysphagia*, *35*(6):935-947. doi: 10.1007/s00455-020-10115-0.

Solberg, L., Campbell, C., Jones, K.,Vaughn, I., Suryadevara, U., Fernandez, C., Shorr, R. (2021). Training hospital inpatient nursing to know (THINK) delirium: A nursing educational program. *Geriatric Nursing*, *42*(1). doi.org/10.1016/j.gerinurse.2020.10.018.

Thomas, N. (Ed.). (2019). *Renal Nursing: Care and management of people with kidney disease.* Wiley Blackwell, 367-422.

Von Hofen-Hohloch, J., Awissus, C., Fischer, M. M., Michalski, D., Rumpf, J. J., & Classen, J. (2020). Delirium screening in neurocritical care and stroke unit patients: A pilot study on the influence of neurological deficits on CAM-ICU and ICDSC outcome. *Neurocritical Care*, *33*(3), 708-717.

Wang, T., Liu, S., Joseph, T., & Lyou, Y. (2020). Managing bladder cancer care during the COVID-19 pandemic using a team-based approach. *Journal of Clinical Medicine*, *9*(5), 1574. doi:10.3390/jcm9051574

Yoke, S.T., Yu, H.F., & Ignacio, J. (2023). Effectiveness of educational interventions for nurses caring for patients with chronic kidney disease in improving outcomes. *Journal of Clinical Nursing*, *32*(23). https://doi.org/10.1111/jocn.16929

WEBSITES:

https://evolve.elsevier.com (several Internet resources are available at the end of each chapter in Lewis's Medical Surgical textbook plus additional resources)
https://atitesting.com
https://firelands.edvance360.com
https://skyscape.com
https://thePoint.lww.com (Google Chrome)
Skyscape: http://skyscape.com
vSim: http://thePoint.lww.com

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 1	Verbalize expectations and requirements for successful completion of the course.	INTRODUCTION AND OVERVIEW OF COURSE REQUIREMENTS (2 HOURS) A. Welcome B. Course Overview 1. Course Syllabus 2. Course Outline 3. Course Calendar 4. ACE and STAR for ACE C. Student Handbook D. Patient Satisfaction E. Assignments 1. EBP Poster Presentations 2. Globalization Project 3. Pharmacology Independent Review	**<u>Quiz #1- Dosage Calculation Quiz #1</u>** **<u>1/6/25 (0800-0830)</u>** Preparation: Refer to Edvance360 Lesson: Week 1-Course Orientation (due 1/6/25) Handout: • Course Syllabus • Course Outline • Course Calendar • Online Testing Agreement (sign and return) • Student Accountability Flow Chart • Course Document Receipt (sign and return) • Course Breakdown of Hours Review Student Handbook (online- Edvance360) • Testing Policy • Attendance Policy • Student Code of Conduct Policy • Academic Policies • Dress Code Policy • Grading Policy • Social Media Guidelines • End-of-Program Student Learning Outcomes Edvance360 Review- Resources, Discussion, Lessons, Surveys, Dropbox Guest lecturer: Amanda Cloud, CRT Patient Advocacy Specialist Firelands Regional Medical Center EBP Poster Presentation Handouts: • Guidelines for EBP Poster & Presentation • EBP Poster/Presentation Grading Rubric • EBP Poster Sign Up Sheet (sign up due 1/10/25 by 1500) Globalization Project Handouts: • Globalization of Healthcare Grading Rubric • Globalization Presentation Sign Up Sheet (sign up due 1/10/25 by 1500) Handout: Pharmacology Independent Review Lists ATI Orientation Update

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 1		4. ATI Assignments a. Targeted Med-Surg 2019 Practice Assessments b. Skills Modules 3.0 c. Pharmacology Made Easy 5.0 d. ATI Proctored Assessment & Focused review 2.0 Remediation LAB AND CLINICAL OVERVIEW A. Clinical Overview 1. Clinical Orientation (2.5 hours) 2. Skyscape Update 3. Clinical Schedule 4. Clinical, Lab, Simulation Evaluation Tools 5. High Fidelity Simulation Orientation (1 hour) 6. vSim 7. Infection Control Orientation (1 hour, 1/14/25) B. IV Math (2 hours) C. FSBS (1 hour) D. Head to Toe Checkoff	Refer to Course Syllabus for due dates and times Handouts: • Lab Group Assignments • Clinical Schedule • Hand-Off Repot and SBAR Report Sheet • Patient Profile Database • CDG Grading Rubric • Nursing Care Map Template, Guidelines, and Rubric • Clinical Signature Forms • Team Leader Responsibilities • Rehab Orientation Tips • Simulation Orientation Documents (2/11/25) • Simulation Schedule • Simulation Confidentiality Form • Clinical Judgment Model • Lasater Clinical Judgment Rubric • Reflection Journal • Simulation Prebrief Lab: IV Math Handout: IV Calculation Rules (distributed in lab) Lab: IV Math Application scenarios 1/8/25 & 1/9/25 with varying times (see Course Calendar) Preparation: Refer to Edvance360 Lesson: Week 1-FSBS (due 1/7/25) Skills lab: One-on-one demonstration of competence with faculty Preparation: Refer to Edvance360 Lesson: Week 1- Head to Toe Assessment Checkoff (due 1/7/25) • Basic head to Toe Assessment Skills Checklist Skills Lab: One-on-one demonstration with faculty member Preparation: Refer to Edvance360 Lesson: Week 1- Insulin Lab (due 1/7/25)
Week 1			

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
		E. Insulin Lab (1 hour) F. Meditech Update (0.5 hour) G. IV Pump (1 hour) H. IV Lab (3 hours) I. Mandatory Lab (3 hours)	Skills Lab: Guided practice; faculty observation of competence Meditech Station (in-person demonstration): • BMV for insulin and IV meds • IV intake documentation Preparation: Refer to Edvance360 Lesson: Week 1- IV Pump (due 1/7/25) IV Pump Station: Guided practice; faculty observation of competence Preparation: Refer to Edvance360 Lesson: Week 1- IV Lab (due 1/10/25) Skills Lab: Guided practice; faculty observation of competence <u>Mandatory Lab Day #1 (1/8/25 & 1/9/25)-</u> Preparation: refer to Edvance360 Lesson: Week 1- Mandatory Lab- NF Skills Review (due 1/8/25 & 1/9/25) <u>Mandatory Lab Day #2 (3/10/25 & 3/11/25)-</u> Practice 2 skills of the student's choice and any skills that are currently evaluated as "NI" or "U" (sign up required) **<u>Dosage Calculation Quiz #2 (if needed)</u>** **<u>1/10/25 (1230-1300)</u>**
Week 2 Week 2	Upon completion of this unit, the student will be able to: Utilize appropriate clinical judgment in the care of patients with respiratory conditions. (1,2,3,4,5,6,7)* Outline the pharmacological agents used to treat respiratory related conditions. (1,2,3,5,6)* Describe the respiratory	UNIT I: RESPIRATORY NURSING (15 HOURS) A. Respiratory Pharmacology (Independent Review) 1. Short and Long-acting Beta 2 Adrenergic Agonists 2. Anticholinergics 3. Corticosteroids 4. Methylxanthines 5. Leukotriene Modifiers 6. Expectorants 7. Antitussives 8. Combination Drugs	**<u>Quiz #2- MSN Skills Quiz (IV Math, FSBS, Insulin, IV content)</u>** **<u>1/13/25 (0800-0830)</u>** Clinical assignment: care for patients with various pulmonary disorders Handout: Respiratory Pharmacology Topics (Independent Review) View Online ATI Tutorial: Pharmacology Made Easy 5.0 • The Respiratory System • The Hematological System ATI Text: RN Pharmacology for Nursing 9.0 • Unit 3: Medications Affecting the Respiratory

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	system's primary function of gas exchange. (1)* Focus on the collection of subjective data to obtain a complete respiratory assessment. (2)* Focus on the collection of objective data to obtain a complete respiratory assessment. (2)* Integrate diagnostic tests and related nursing care commonly used to evaluate respiratory conditions. (1,2,3,4,5,6)* Establish nursing interventions that can be utilized to support ventilation of a patient. (1,2,3,6)* Organize and interpret various arterial blood gas results. (1,2,6)* Illustrate the etiology, pathophysiology, clinical manifestations, and management of the patient with influenza. (1,2,3,4,5,6)* Consider social, ethnic, and cultural factors associated with vaccination status. (3,4,5,6)*	9. Anticoagulants B. Anatomy and Physiology C. Subjective Data D. Objective Data 1. Inspection 2. Palpation 3. Percussion 4. Auscultation E. Diagnostic Studies F. Supporting Ventilation 1. Breathing Exercises 2. Airway Clearance Techniques 3. O_2 Therapy G. Arterial Blood Gases H. Infections and Obstruction of Upper Airway 1. Influenza *a. Core Measures and 34 Safe Practices for Healthcare: Immunization*	System (Ch. 16-17, pg. 127-140) • Unit 5: Medications Affecting the Hematologic System (pg. 189-194) Preparation: Refer to Edvance360 Lesson- Week 2: Respiratory Independent Review (due 1/13/25) Lewis Ch. 27 Lewis Ch. 27 Lewis Ch. 27 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 3, Ch. 18: Respiratory Diagnostic Procedures (pg. 117-122) and Ch. 20 (pg. 129-137) Respiratory management Lewis Ch. 28 (pg. 539-545) Lewis Ch. 17 (pg. 320-324) Handout: ABG Interpretation In-Class Activity: ABGs and Clinical Judgment In-Class Practice and Take Home ABG Assignment (due 1/15/25 or 1/16/25 at Trach lab) Lewis Ch. 29 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 3, Ch. 21: Acute Respiratory Disorders (pg. 141-147) Handout: Influenza Vaccine Information Sheet (CDC)
Week 2			

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	Maintain the patient's airway through artificial means as evidenced by clear breath sounds and other signs of adequate gas exchange. (1,2,3,4,5,6)*	I. Obstructive Sleep Apnea	Lewis Ch. 8 (pg 112-114)
		J. Tracheostomy and Nursing Management	Lewis Ch. 28 (pg. 568-574)
	Maintain a tracheostomy and stoma site that is free of secretions and skin breakdown. (1,2,3,4,5,6)*		Optional Lab: Open Lab to Practice Trach Skills, IV Math, & IV Pump 1/13/25 from 1200-1400 Preparation: refer to Edvance360 Lesson: Week 2- Trach Care & Suctioning (due 1/15/25 or 1/16/25) Trach lab (2 hours) 1/15/25 or 1/16/25 (see schedule) Tracheostomy care and suctioning (guided practice, 1:1 observation of competence) EBP Lab (1 hour) 1/15/25 or 1/16/25 (see schedule) Guest Speaker: Libby Kyle, M.A. in English FRMCSN Learning Resources Coordinator **<u>Quiz #3- Respiratory: Content B-F</u>** **<u>1/14/25 (0800-0830)</u>**
	Differentiate the nursing care of the patient after a partial laryngectomy and after a total laryngectomy with radical neck dissection. (1,2,3,4,5,6)*	K. Head and Neck Cancer	Lewis Ch. 29 In-Class Case Study: Laryngeal Cancer
	Outline the incidence, preventative measures, and treatment of bacterial infection. (1,2,3,4,5,6)* Describe the manifestations, diagnosis, treatment, and prevention for COVID-19. (1,2,3,4,5,6)*	L. Lower Respiratory Tract Infections: Pneumonia and Tuberculosis 1. *Core Measures and 34 Safe Practices for Healthcare: Immunization*	Lewis Ch. 30 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 3, Ch. 21: Acute Respiratory Disorders (pg. 141-147), Ch. 24: Tuberculosis (pg. 159-163) Handouts: • Pneumococcal Vaccination Information Sheet (CDC) • Patient Education for Pneumonia
Week 2	Attribute the etiology, pathophysiology, clinical manifestations, and management of patients with lung cancer. (1,2,3,4,5,6)*	M. COVID-19	Lewis Ch. 15 (pg 245-249)
		N. Lung Cancer	Lewis Ch. 30

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	Integrate the etiology, pathophysiology, clinical manifestations, and management of acute and chronic obstructive pulmonary disease. (1,2,3,4,5,6)*	O. Obstructive Pulmonary Disease-Asthma	**<u>Dosage Calculation Quiz #3 (if needed)</u>** **<u>1/14/25 (1300-1330)</u>** **<u>Quiz #4- Respiratory: Content G-K</u>** **<u>1/17/25 (0800-0830)</u>** Lewis Ch. 31 ATI Test: RN Adult Medical Surgical Nursing 12.0 • Unit 3, Ch. 22: Asthma (pg. 149-152) Handout: Asthma Action Plan Visual Model: Pathophysiology of Airway
		P. Chronic Obstructive Pulmonary Disease *1. Social Determinants of Health*	Lewis Ch. 31 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 3, Ch. 23: Chronic Obstructive Pulmonary Disease (pg. 153-158) In-Class Activity: COPD Case Study
	Differentiate among a closed, an open, and a tension pneumothorax in terms of signs and symptoms, treatment, and nursing management. (1,2,3,4,5,6)*		In-Class Activity: Respiratory Pharmacology *Reminder for students to submit electronic TB Globalization presentation to Rachel by 1400 on 1/17/25 **<u>Quiz #5- Respiratory Pharmacology</u>** **<u>1/21/25 (0800-0830)</u>**
Week 3	Integrate the etiology, pathophysiology, clinical manifestations, and management of patients with chest surgery. (1,2,3,4,5,6)*	Q. Capnography R. Chest Trauma and Thoracic Injuries 1. Pneumothorax and Hemothorax	Lewis Ch. 30 Lewis Ch. 28 (pg 546-550) ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 3, Ch. 26: Pneumothorax and hemothorax (pg. 173-177), Ch. 19: Chest Tube Insertion and Monitoring (pg. 123-127)
Week 3	Integrate the etiology, pathophysiology, clinical manifestations, and management of clients with restrictive respiratory disorders. (1,2,3,4,5,6)*	S. Chest Surgery	Visual model: Chest Tube Equipment Lewis Ch. 28 (pg. 550-552)

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	Integrate the etiology, pathophysiology, clinical manifestations, and management of clients with vascular lung disorders. (1,2,3,4,5,6)* Explore he social, ethnic, and cultural actors associated with tuberculosis from a global perspective. (1,3,6)* Demonstrate the use of accomplished and exemplary clinical judgment in the prioritization and management of care with a case scenario involving multiple patients with respiratory conditions. (1,2,3,4,5,6,7)*	T. Restrictive Respiratory Disorders 1. Pleural Effusion 2. Atelectasis U. Vascular Lung Disorders—Pulmonary Embolism	Lewis Ch. 30 Lewis Ch. 30 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 3, Ch. 35: Pulmonary Embolism (pg. 167-171) In-Class Activity: Prioritization, Delegation, and Interprofessional Care of Multiple Patients with a Respiratory Condition **In-Class Globalization Presentation 1/21/25**
Week 4 Week 4	Upon completion of this unit, the student will be able to: Outline the pharmacological agents used to treat endocrine and hypersensitive related conditions. (1,2,3,4,5,6)* Identify the common characteristics and functions of hormones and structures of the endocrine system. (1,2)* Explore the significant subjective and objective assessment data related to the endocrine system that should be obtained from a patient.	UNIT II: ENDOCRINE NURSING (15.5 HOURS) A. Endocrine Pharmacology (Independent Review) 1. Insulin 2. Biguanide 3. Sulfonylurea 4. GLP-1 Receptor Agonist 5. Glucocorticoids 6. Angiotensin-Converting Enzyme (ACE) 7. Angiotensin II receptor Antagonist (ARB) 8. β-Adrenergic Blocker Cardioselective 9. Calcium Channel Blocker 10. Hyperglycemic 11. Antithyroid 12. Thyroid replacement B. Nursing Assessment: Endocrine System (Independent	vSim Vincent Brody- Geriatric, African American, Male (Medical-Surgical Scenarios) due 1/27/25 at 0800 **Quiz #6- Respiratory: Content L-U** **1/27/25 (0800-0830)** Clinical assignment: care for patients with various endocrine disorders Handout: Endocrine Pharmacology Topics (Independent Review) View Online ATI Tutorial: Pharmacology Made Easy 5.0 • The Endocrine System • Cardiovascular Read: ATI RN Pharmacology for Nursing 9.0 • Unit 10: Ch. 37 Diabetes Mellitus • Unit 10: Ch. 38 Endocrine Disorders • Unit 4: Ch. 19 Meds Affecting Blood Pressure (pg. 151-153, 155-156, 158-160) Preparation: refer to Edvance360 Lesson- Week 4 Endocrine Independent Review (due 1/27/25)

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	(2,3,4,6,7)* Investigate the purpose, significance of results, and nursing responsibilities related to diagnostic studies of the endocrine system. (2,3,4,6,7)* Compare and contrast between type 1 and type 2 DM. (1,2)* Examine the collaborative care of culturally diverse population with DM. (2,3,4,6,7)* Demonstrate proper nutrition and exercise strategies in the management of DM. (2,3,4,6,7)8 Demonstrate the nursing management of a patient with DM in the ambulatory and home care settings. (2,3,4,6,7)* Recognize the pathophysiology and clinical manifestations of acute and chronic complications of DM. (2,3,4,6,7)* Demonstrate the use of accomplished and/or exemplary clinical judgment in the management of care for a patient with DM. (1,2,3,4,5,6,7)* Differentiate between primary and secondary hypertension. (1,5)* Formulate goals of management for hypertension. (3,5)*	Review) 1. Structures and Functions of the Endocrine System 2. Gerontologic Considerations 3. Assessment of the Endocrine System 4. Diagnostic Studies of the Endocrine System a. Laboratory Studies b. Radiologic Studies C. Management of Patients with Diabetes Mellitus (DM) 1. Etiology and Pathophysiology 2. Diagnostic Studies 3. Interprofessional Care 4. Drug Therapy 5. Nutritional Therapy 6. Exercise 7. Blood Glucose Monitoring 8. Nursing Management 9. Acute Complications 10. Chronic Complications 11. Complications of the Foot and Lower Extremity 12. Skin Complications 13. Infection 14. Psychologic Considerations 15. Gerontologic Considerations	Lewis Ch. 52 Lewis Ch. 53 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 12, Ch. 83: Diabetes Management • Ch. 84: Complications of Diabetes **<u>Quiz #7- Endocrine: Ch. 52 & 53</u>** **<u>1/28/25 (0800-0830)</u>** Guest Lecturer: Nathan Raftery, RN, DSME Diabetic Education Firelands Regional Medical Center In-Class Activity: Create Healthy Meals Handouts: • Choose My Plate Packet • Sugar Shockers • Insulin Sliding Scale Coverage Example (given during insulin lab) • Hypoglycemia Protocol for Adults (given during insulin lab) ATI Skills Module 3.0 Diabetes Management • Video: Administering insulins • Video: Mixing insulins *Reminder for students to submit electronic DM globalization presentation to Monica by 1400 on 1/31/25 *Phase I: Submit to EBP Poster Phase I dropbox by 1/31/25 at 1200 In-Class Activity: Diabetes Activity
Week 5		D. Introduction to Hypertension (Independent Review) 1. Normal Regulation of Blood Pressure a. Sympathetic Nervous System	Lewis Ch. 36 (pg. 797-814) Refer to Edvance360 Lesson: Week 5-Ch. 36 HTN Online PowerPoint & Activity (due 2/3/25)

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 5	Describe the processes involved in the biology of cancer. (1)* Compare and contrast the differences between benign and malignant neoplasms. (1)* Discuss the role of the nurse in the prevention and detection of cancer. (1,2,3,4,5,6)* Describe the effects of each cancer treatment modality on the body. (1,2,3)* Describe the nursing interventions required for complications resulting from cancer. (1,2,3,5,6)* Discuss culturally diverse teaching needs of the client and family experiencing cancer. (5,6)* Examine the pathophysiology, clinical manifestations, collaborative care, and nursing management of patients with imbalance of hormones produced by the anterior pituitary gland. Describe the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with	b. Vascular Endothelium c. Renal System d. Endocrine System 2. Hypertension a. Classification of Hypertension b. Etiology c. Pathophysiology of Primary Hypertension d. Genetic Link e. Clinical Manifestations f. Complications g. Diagnostic Studies h. Interprofessional Care i. Nursing Management E. Cancer Characteristics 1. Cancer Incidence and Trends 2. Biology of Cancer 3. Pathophysiology 4. Benign v. Malignant Neoplasms 5. Classification of Cancer 6. Prevention and Detection of Cancer 7. Interprofessional Care of Cancer 8. Nursing Management: Chemotherapy and Radiation 9. Late Effects of Radiation and Chemotherapy 10. Immunotherapy and targeted Therapy 11. Hormone Therapy 12. Hematopoietic Stem Cell Transplantation 13. Gene Therapy 14. Complications of Cancer 15. Coping with Cancer and Treatment 16. Cancer Survivorship F. Nursing Management: Endocrine Problems 1. Disorders of the Posterior Pituitary Gland 2. Disorders of the Thyroid Gland 3. Disorders of the Adrenal Cortex 4. Disorders of the Adrenal Medulla *G. Social Determinants of Health*	ATI text: RN Adult Medical Surgical Nursing 12.0 • Unit 4, Ch. 37: Hypertension **<u>Quiz #8- Endocrine: Ch. 53 & 36</u>** **<u>2/3/25 (0800-0830)</u>** Clinical experiences care of the client with cancer Lewis Ch. 16 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 13, Ch. 90-94: Cancer-Related Disorders **<u>Quiz #9- Endocrine Pharmacology</u>** **<u>2/4/25 (0800-0830)</u>** Lewis Ch. 54 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 12, Ch 78-82: Endocrine Disorders In-Class Activity: Endocrine Concept Maps In-Class Group Activity: Prioritization, Delegation, & Interprofessional Care of Multiple Patients with Endocrine Conditions, Cancer, or HTN **<u>In-Class Globalization Presentations 2/4/25</u>**

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	an imbalance of antidiuretic hormone secretion. (2,3,4,6,7)* Describe the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with an imbalance of the hormone produced by the parathyroid glands. (2,3,4,6,7)* Describe the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with an imbalance of hormones produced by the adrenal cortex. (2,3,4,6,7)*		In-Class NCLEX Practice 2/4/25 1230-1330
Week 6 Week 6	Upon completion of his unit, the student will be able to: Outline the pharmacological agents use to treat musculoskeletal and infectious disease related conditions. (1,2,3,5,6)* Describe the structures and functions of the different tissues that compose the musculoskeletal system. (1)* Compare and contrast age-	UNIT III: MUSCULOSKELETAL NURSING (13 HOURS) A. Musculoskeletal Pharmacology (Independent Review) 1. Conventional Synthetic Nonbiologic (Traditional) DMARD 2. Biologic DMARD 3. Bisphosphonates 4. Penicillin 5. Cephalosporin 6. Vancomycin 7. Tetracyclines 8. Macrolides 9. Aminoglycosides 10. Fluoroquinolones 11. Sulfonamides 12. Metronidazole 13. Azoles 14. Acyclovir B. Anatomy and Physiology	vSim Juan Carlos: Middle Aged, Hispanic, Male (Pharmacology scenario) due 2/10/25 at 0800 **<u>Quiz #10- Endocrine: Ch. 54 and Ch. 16 2/10/25 0800-0830</u>** Clinical assignment: Care for patients with various musculoskeletal and sensory disorders. Clinical: Infection Control, Inpatient Acute Rehabilitation Unit Handout: Musculoskeletal Pharmacology Topics (Independent Review) View online ATI Pharmacology Made Easy 5.0: • The Musculoskeletal System • Infection In-Class Activity: Musculoskeletal Pharmacology activity Preparation: Refer to Edvance360 Lesson- Week 6: Musculoskeletal Independent Review (due 2/10/25)

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 6	related changes in the musculoskeletal system. (1)* Analyze the significant subjective and objective data related to the musculoskeletal system that should be obtained during a patient assessment. (2)* Describe the appropriate technique used in the physical assessment of the musculoskeletal system. (2)* Demonstrate the neurovascular assessment of an injured extremity. (2)* Identify specific dietary modifications along with cultural considerations prescribed for patients with muscular skeletal disorders. (1,6)* Correlate the diagnostic tests indicated for the person with a musculoskeletal problem, with the rationale for each test and the nursing responsibilities associated with the test. (1)* Analyze common etiologic factors, clinical manifestations, and collaborative management of common disorders of the musculoskeletal system. (1,2,7)* Use the nursing process as a framework for providing individualized care to a culturally diverse population with disorders of the musculoskeletal system.	1. Structures and Functions of the Musculoskeletal System 2. Gerontologic Considerations C. Musculoskeletal System Assessment 1. Subjective Data a. Important Health Information b. Functional Health Patterns 2. Objective Data-Physical Examination a. Inspection b. Palpation c. Motion d. Muscle-Strength Testing e. Measurement 3. Diagnostic Studies a. Serology Studies b. Radiologic c. Invasive Procedures d. Miscellaneous Studies D. Musculoskeletal Trauma and Orthopedic Surgery 1. Soft Tissue Injuries a. Sprain and Strains b. Dislocations c. Repetitive Sprain Injury d. Carpal Tunnel Syndrome e. Rotator Cuff Injury f. Meniscus Injury g. Anterior Cruciate Ligament Injury 2. Fractures a. Classification b. Manifestations c. Fracture Healing d. Interprofessional Care 1. Fracture Reduction 2. Traction 3. Fracture Immobilization 4. Drug therapy *a. Core Measure-Patient Satisfaction: Pain Management* 5. Nutrition Therapy 6. Nursing Management e. Complications of Fractures 1. Infection *a. Core Measures: Surgical Care (SCIP):*	Lewis Ch. 66 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 10: Musculoskeletal Disorders **<u>Quiz #11- Musculoskeletal: Ch 66</u>** **<u>2/11/25 (0800-0830)</u>** Lewis Ch. 67 In-Class Video: Tinel's and Phalen's Sign, McMurry's test, Lachman's test In-Class Activity: Fracture Classification Activity • Musculoskeletal Assessment Case Study • Think Like a Nurse Clinical Judgment Activity

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	(2,3,4,6,7)* Differentiate among closed reduction, cast immobilization, open reduction, and traction regarding purpose, complications, and collaborative management. (1)* Use the nursing process to plan and provide individualized care to patients with musculoskeletal disorders. (2,3,4,7)* Explain complications associated with fracture injury and the treatment regimens for those complications. (3,6,7)*	*Prophylactic Antibiotic* 2. Compartment Syndrome 3. Venous Thromboembolism a. *Core Measure: Surgical Care (SCIP): VTE Prophylaxis Administered* 4. Fat Embolism Syndrome f. Types of Fractures 3. Amputation 4. Types of Joint Surgeries E. Musculoskeletal Problems 1. Osteomyelitis F. Back Pain 1. Acute Low Back Pain 2. Chronic Low Back Pain 3. Intervertebral Disk Disease 4. Neck Pain	Handout: VTE/DVT Risk Assessment Lewis Ch. 68 **<u>Quiz #12- Musculoskeletal: Ch 67 & 68</u>** **<u>2/17/25 (0800-0830)</u>**
Week 7	Differentiate between the causes and characteristic of acute and chronic osteomyelitis. (2,3,4,6)* Differentiate between the causes and characteristics of acute and chronic low back pain. (2,3,4,6)* Describe the postoperative nursing management of a client who has undergone spinal surgery. (1,2)* Contrast the etiology, pathophysiology, clinical manifestations, and collaborative management of individuals with osteoarthritis v. rheumatoid arthritis. (1,2,3,4,6,7)* Use the nursing process to plan and provide care to a patient having joint replacement surgery. (1,2,3,4,6,7)*	G. Metabolic Bone Disorders 1. Osteoporosis H. Arthritis and Connective Tissue Disease 1. Osteoarthritis 2. Rheumatoid Arthritis 3. Gout 4. Systemic Lupus Erythematosus 5. Fibromyalgia *6. Social Determinants of Health* I. Assessment and Management: Visual Problems 1. Structures and Functions of Visual System a. Periocular Structures b. External Ocular Structures c. Middle Ocular Structures d. Internal Structures e. Visual Pathway f. Gerontologic Considerations	Lewis Ch. 69 In-Class Activity: Risk Assessment for Osteoporosis In-Class Activity: Arthritis and Osteoporosis Case Study Relay **<u>Quiz #13- Musculoskeletal Pharmacology</u>** **<u>2/18/25 (0800-0830)</u>** *ATI RN Fundamentals Practice Assessment 2023 Version A & B due 2/14/25 by 1500 (reminder: you must obtain ≤ 80%) Lewis Ch. 22 In-Class Videos: Rinne and Weber Test In-Class Activity: Prioritization, Delegation, and Interprofessional Care of Multiple Patients with Musculoskeletal, Vision, and Auditory Problems.

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 7	Summarize the significant socioeconomic, racial, and ethnic disparities for individuals impacted by osteoarthritis. (6)* Describe the structure and function of the eye and ear. (1)* Identify age-related changes in the visual and auditory systems. (1)* Analyze significant subjective and objective assessment data related to the visual and auditory systems. (2)* Use the nursing process as a framework for providing individualized care to a culturally diverse population with sensory disorders. (1,2,3,4,5,6)* Illustrate interventions used in the preoperative and postoperative care of clients undergoing surgery on the eye. (1,2,5,6)* Analyze the common etiologic factors, clinical manifestations, and collaborative management of common disorders of the visual and auditory systems. (1,2,7)*	2. Assessment of Visual System 3. Diagnostic Studies of Visual System 4. Visual Problems a. Refractive Errors 1. Myopia 2. Hyperopia 3. Presbyopia 4. Astigmatism 5. Nonsurgical Corrections 6. Surgical Therapy 5. Visual Impairment 6. Eye Trauma 7. Extraocular Inflammation and Infection 8. Dry Eye Disorders 9. Cataracts 10. Retinal Detachment 11. Age-Related Macular Degeneration 12. Glaucoma J. Assessment and management: Auditory Problems 1. Structures and unction of Auditory System a. External Ear b. Middle Ear c. Inner Ear d. Hearing Sound e. Gerontological Considerations 2. Assessment of Auditory System a. Subjective Data b. Objective Data 3. Diagnostic Studies of the Auditory System 4. External Ear and Canal Problems 5. Middle Ear and Mastoid Problems 6. Inner Ear Problems a. Meniere Disease b. Acoustic Neuroma c. Hearing Loss and Deafness	Think Like a Nurse: Clinical Judgment Activity Lewis Ch. 23 * Phase II: Submit to EBP Poster Phase II dropbox by 2/21/25 at 1200 **ATI RN Fundamentals 2023 Proctored Assessment 2/21/25** vSim Marilyn Hughes- Middle Aged, Caucasian, Female (Medical Surgical Scenario) due 2/24/25 at 0800 **Quiz #14- Musculoskeletal: Ch 69, 22, & 23 2/24/25 (0800-0830)**

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 8			In Class: ATI Focused Review 2.0 and Remediation Orientation 2/24/25 at 10:30-11:00 High Fidelity Simulation Lab: • Musculoskeletal/Endocrine (3.5 Hours) • See schedule and scenario materials in Edvance360 Resources Simulation Prebrief due by 0800 on assigned day of simulation to appropriate dropbox. (see schedule) Simulation Report Sheet due on 2/26/25 or 2/27/25 at beginning of simulation session. This is to be hand written. (see schedule) Simulation #1 Reflection Journal and Survey due 3/1/25 by 2200.
Week 9 Week 9	Upon completion of this unit, the student will be able to: Interpret the pharmacological agents used to treat neurological related conditions. (1,2,3,5,6)* Differentiate between the three major divisions of the nervous system with consideration of the effects of aging. (1)* Analyze subjective and objective assessment data collected with the neurological assessment. Consider cultural, racial, and ethnic influence and disparities. (2,4,5,6)* Describe diagnostic procedures used to evaluate neurological	UNIT IV: NEUROLOGICAL NURSING (18 HOURS) A. Neurological Pharmacology (Independent Review) 1. Hydantoins 2. Traditional Antiepileptics 3. Valproates 4. Dopamine Replacement Drug 5. Dopamine Agonists 6. Cholinesterase Inhibitors 7. Antiparkinson Agent/MAO-B Inhibitor 8. NMDA Receptor Antagonist 9. Serotonin Agonists 10. Salicylics 11. ADP Inhibitor 12. Thrombolytics B. Structure and Functions of the Nervous System 1. Neuron 2. Central nervous System 3. Peripheral Nervous System 4. Autonomic Nervous System 5. Geriatric Considerations C. Subjective Data 1. Important Health Information	Clinical Assignment: Care for patients with various neurological disorders. Clinical: Inpatient Acute Rehabilitation Unit Handout: Neurological Pharmacology Topics (Independent Review) View Online: ATI Pharmacology Made Easy 5.0 • The Neurological System Part 1 • The Hematologic System ATI RN Pharmacology For Nursing 9.0 • Unit 2, Ch. 12: Chronic Neurologic Disorders (pg. 93-102) • Unit 5, Ch. 23: Medications Affecting Coagulation (pg. 195-198) • Unit 9, Ch. 36: Miscellaneous Pain Medication (pg. 297-302) Preparation: Refer to Edvance360 Lesson- Week 9: Neurological Independent Review (due 3/10/25) Lewis Ch. 60 In-Class Activity: Neurological Assessment

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	disease with consideration for patient education. (1,2,4,5)* Discuss etiology, pathophysiology, clinical manifestations, and nursing management of increased ICP. (1,2,3,4,5,6)* Discuss the etiology, pathophysiology, clinical manifestations, and nursing management of head injury. (1,2,3,4,5,6)* Discuss the etiology, pathophysiology, clinical manifestations, and nursing management of brain tumors. (1,2,3,4,5,6)* Describe the nursing management of clients undergoing cranial surgery. (1,2,3,4,5,6)* Discuss the etiology, pathophysiology, clinical manifestations, and nursing management of meningitis. (1,2,3,4,5,6)* Discuss etiology, pathophysiology, clinical manifestations, and nursing management of migraine headaches. (1,2,3,4,5,6)* Describe various medications for treatment of migraines. (1,2,3,4,5)* Discuss pathophysiology, clinical manifestations, and nursing management of epilepsy. (1,2,3,4,5,6)*	2. Functional Health Patterns D. Objective Data 1. Cranial Nerves 2. Motor and Sensory Systems E. Diagnostic tests 1. Laboratory 2. Radiological F. Acute Intracranial Problems 1. Intracranial Regulation 2. Increased Intracranial Pressure 3. Head Injury 4. Brain Tumors 5. Cranial Surgery 6. Bacterial Meningitis 7. Viral Meningitis 8. Brain Abscess 9. Encephalitis G. Chronic Neurologic Problems 1. Headaches a. Tension-Type Headache b. Migraine Headache c. Cluster Headache d. Other Types of Headaches 2. Chronic Neurologic Disorders 3. Nursing Management: Seizure Disorder 4. Restless Leg Syndrome 5. Degenerative Neurologic Disorders a. Multiple Sclerosis b. Parkinson Disease c. Myasthenia Gravis d. Amyotrophic Lateral Sclerosis e. Huntington Disease	Lewis Ch. 61 In-Class Activity: Case Study ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 2, Ch. 6-12 and Ch. 15-17: Neurological Disorders **Quiz #15- Neurological: Ch. 60 & 61** **3/11/25 (0800-0830)** Lewis Ch. 63 In-Class Activity: Pharmacology Activity
Week 9			

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 10	Discuss pharmacological agents to treat epilepsy. (1,2,3,4,5)* Analyze the etiology, pathophysiology, clinical manifestations, and nursing management of stroke with consideration for diverse populations. (1,2,3,4,5,6)* Discuss pharmacological agents in treatment of stroke. (1,2,3,4,5)* Discuss etiology, pathophysiology, clinical manifestations, and nursing management of cerebral aneurysm. (1,2,3,4,5,6)* Compare and contrast ischemic v. hemorrhagic stroke. (1,2,3,4,5,6)* Analyze the etiology, pathophysiology, clinical manifestations, and nursing management of various chronic neurological problems (MS, Parkinson's disease, Alzheimer's disease). (1,2,3,4,5,6)*	H. Stroke 1. Etiology 2. Pathophysiology 3. Risk Factors 4. Types of Stroke 5. Clinical Manifestations 6. Diagnostic Studies 7. Interprofessional Care 8. Nursing Management 9. *Core Measures* for Stroke a. Dysphagia Screening b. Smoking Cessation c. Diabetes Control d. Cholesterol Control e. DVT Prevention (Value-Based Purchasing) f. Anticoagulation Measures *10. Social Determinants of Health* I. Alzheimer's Disease, Dementia, and Delirium 1. Etiology 2. Pathophysiology 3. Clinical Manifestations 4. Diagnostic Studies 5. Interprofessional Care 6. Nursing Management 7. Safety Measures (CMS)	Lewis Ch. 62 In-Class Group Activity: Evolving Case Study; Prioritization, Interprofessional care, and Delegation In-Class Activity: CT v. MRI Game In-Class Activity: TPA Inclusion Activity *Phase III: Submit to EBP Poster Phase III dropbox by 3/14/25 at 1200 Nurse Career Panel 3/17/25 at 1115-1215 **Quiz #16- Neurological: Ch. 62 and 63 3/18/25 (0800-0830)** Lewis Ch. 64 In-Class Activity: Dementia Activity In-Class NCLEX Practice: 3/18/25 at 1300-1400 *Reminder for students to submit electronic Stroke globalization presentation to Heather by 1400 om 3/20/25
Week 11	Describe the pharmacological management of Parkinson's disease and MS. (1,2,3,4,5)* Discuss etiology, pathophysiology, clinical manifestations, and nursing management of Alzheimer's disease, dementia, and delirium. (1,2,3,4,5,6)* Describe the pharmacological	J. Spinal Cord and Peripheral Nerve Problems 1. Spinal Cord Injuries a. Autonomic Dysreflexia 2. Spinal Cord Tumors 3. Trigeminal Neuralgia 4. Bell's Palsy	**Quiz #17- Neurological Pharmacology 3/24/25 (0800-0830)** Lewis Ch. 65 **In-Class Globalization Presentations 3/24/25**

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	management of Alzheimer's disease, dementia, and delirium. (1,2,3,4,5)* Discuss etiology, pathophysiology, clinical manifestations, and nursing management of crania nerve and spinal cord disorders. (1,2,3,4,5,6)* Explore the social, ethnic, and cultural factors associated with stroke from a global perspective. (1,3,6)*	5. Guillain-Barre Syndrome	
Week 11 Week 11	Upon completion of this unit, the student will be able to: Interpret the pharmacological agents used to treat gastrointestinal related illnesses. (1,2,3,5,6)* Explain the structures and functions of the mouth, esophagus, stomach, intestines, liver, biliary tract, and pancreas. (1)* Summarize the significant assessment data related to the GI system. (2,4)* Examine the purpose and nursing responsibilities related to diagnostic studies of the GI system. (2)*	UNIT V: GASTROINTESTINAL, BILIARY, AND HEPATIC NURSING (18 HOURS) A. Gastrointestinal Pharmacology (Independent Review) 1. Histamine H2 Antagonist 2. Proton-Pump Inhibitor 3. Mucosal Protectant 4. Antacid 5. Serotonin Antagonist (Anti-Nausea) 6. Dopamine Antagonist (Anti-Nausea) 7. Bulk-Forming Agent 8. Stool Softener/Surfactant Laxative 9. Stimulant Laxatives 10. Opioids (Antidiarrheal) 11. 5-HT3 Blocker (Anti-Irritable Bowel Syndrome Agent) 12. 5-Aminosalicylates (GI Anti-Inflammatory) B. Nursing Assessment 1. Structures and Functions of the Gastrointestinal (GI) System 2. Assessment of the GI System a. Gerontologic Considerations: Effects of Aging on GI system 3. Diagnostic Studies of the GI System a. Radiologic Studies	**<u>Quiz #18- Neurological: Ch. 64 & 65</u>** **<u>3/25/25 0800-0830</u>** Clinical Assignment: Care of a patient with various GI or hepatic disorders. Clinical Observation: Digestive Health Handout: GI Pharmacology Topics (Independent Review) View Online: ATI Pharmacology Made Easy 5.0 • The Gastrointestinal System ATI Text: RN Pharmacology For Nursing 9.0 • Unit 6, Ch. 26-27: Medications Affecting the Gastrointestinal System and Nutrition ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 7, Ch. 47-56: Nursing Care of Clients with Gastrointestinal Disorders Preparation: refer to Edvance360 Lesson- Week 11: Gastrointestinal Independent Review Ch. 43 (due 3/31/25) Lewis Ch. 43

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
		b. Endoscopy c. Liver Biopsy	
Week 12	Integrate the etiology, complications, collaborative care, and nursing management of nausea and vomiting. (2,3,7)* Explain the types, pathophysiology, clinical manifestations, complications, and collaborative care of GERD and hiatal hernia. (2,3,7)* Differentiate between gastric and duodenal ulcers. (2,3,4,6,7)* Assess priority patient data related to upper GI bleeding. (1,2,3,6)*	C. Nursing Management: Upper GI Problems 1. Nausea and Vomiting 2. Oral Cancer 3. Esophageal Problems a. Gastroesophageal Reflux Disease (GERD) b. Hiatal Hernia c. Esophageal Cancer d. Other Esophageal Disorders 1. Diverticula 2. Strictures 4. Stomach and Upper Small Intestine Problems a. Gastritis b. Peptic Ulcer Disease (PUD) c. Upper Gastrointestinal Bleeding	Lewis Ch. 46 In-Class Video: Dystonia and Tardive Dyskinesia In-Class Activity: GERD/Esophageal Cancer Case Study In-Class Activity: Peptic Ulcer Disease NGN Case Study *ATI RN Fundamentals Focused Review and Remediation Binder Due 3/31/25 by 0800 **<u>Quiz #19- Gastrointestinal: Ch. 43 & Ch. 46 (Lecture Content from 3/25/2024)</u>** **<u>3/31/25 (0800-0830)</u>**
Week 12	Explain the common etiologies, collaborative care, and nursing management of diarrhea and constipation. (2,3,4,6,7)* Differentiate between diverticulitis and diverticulosis. (2,3,4,6,7)* Compare and contrast ulcerative colitis and Crohn's disease, including pathophysiology, clinical manifestations, complications, collaborative care, and nursing management. (2,3,4,6,7)*	D. Nursing Management: Lower GI Problems 1. Diarrhea 2. Constipation a. Safe Use of Opioids and Addiction 3. Irritable Bowel Syndrome (IBS) 4. Inflammatory Disorders a. Appendicitis b. Peritonitis *1. Core Measures: Sepsis* c. Diverticulitis 5. Inflammatory Bowel Disease a. Ulcerative Colitis b. Crohn's Disease 6. Bowel Obstruction 7. Colorectal Cancer a. Polyps *b. 34 Safe Practices for Better Healthcare: Surgical Site Infection Prevention*	Lewis Ch. 47 In-Class Activity: Lower GI NCLEX Activity In-Class NGN Case Study: Ulcerative Colitis/Crohn's Disease
Week 13	Summarize the types, clinical manifestations, collaborative care, and nursing management related to intestinal obstructions. (1,2,5,6,7)*	8. Ostomy Surgery	**<u>Quiz #20- Gastrointestinal: Ch 46 (Lecture content from 3/31/24) & Ch. 47</u>** **<u>4/7/25 (0800-0830)</u>**

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 13	Describe the clinical manifestations and collaborative management of colorectal cancer. (2,3,4,6,7)* Describe the pathophysiology of commonly occurring disorders of the liver. (1)* Analyze laboratory and diagnostic tests used to diagnosed disorders of the liver. (1,2,5,7)* Explain the rationale for selected nursing interventions related to care of clients with hepatic disorders. (1,2,3,4,5,6,7)* Analyze the pathophysiology, clinical manifestations, complications, and collaborative care, including surgical therapy of gallbladder disorders. (2,3,4,6,7)* Demonstrate the use of clinical judgment in the prioritization and management of care with a case scenario involving multiple patients with GI conditions. (1,2,3,4,5,6,7)*	E. Liver, Pancreas, and Biliary Tract Problems 1. Disorders of the Liver a. Hepatitis b. Cirrhosis c. Varices d. Liver Cancer e. Liver transplantation 2. Disorders of the Pancreas a. Acute Pancreatitis b. Pancreatic Cancer 1. National Patient Safety Goal (NPSG): Prevent Mistakes in Surgery 3. Disorders of the Biliary Tract a. Cholelithiasis and Cholecystitis	Lewis Ch. 48 In-Class Video: Portal Hypertension/What Alcohol Can Do to Your Liver In-Class Activity: Complications of Cirrhosis In-Class Activity: GI Pharmacology Activity **<u>Quiz #21- Gastrointestinal Pharmacology 4/8/25 (0800-0830)</u>** In-Class Group Activity: Prioritization, Interprofessional Care, and Delegation of Multiple Patients with GI Conditions *Phase IV EBP Poster Presentation Review Day 4/8/25 at 1200-1330 High Fidelity Simulation Lab: • Respiratory/Gastrointestinal (3.5 Hours) • See schedule and scenario materials in Edvance360 Resources Simulation Prebrief due by 0800 on assigned day of simulation to appropriate dropbox. (see schedule) Simulation Report Sheet due on 4/9/25 or 4/10/25 at beginning of simulation session. This is to be hand written. (see schedule) Simulation #1 Reflection Journal and Survey due 4/12/25 by 2200.

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 14 Week 14	Upon completion of this unit, the student will be able to: Outline the pharmacological agents used to treat genitourinary and male reproductive related conditions. (1,2,3,5,6)* Describe the structures and functions within the urinary system. (1)* Identify age0related changes in the urinary system. (1)* Analyze significant subjective and objective assessment data related to the urinary system. (2)* Describe the pathophysiology of commonly occurring disorders of the urinary tract. (1)* Correlate the diagnostic tests for the person with a disorder of the urinary tract with the rationale for each test and the nursing responsibilities associated with the test. (1,2)* Analyze the common etiologic factors, clinical manifestations, and collaborative management of common disorders of the urinary tract. (1,2,7)*	UNIT VI: URINARY AND RENAL NURSING (14 HOURS) A. Urinary and Renal Pharmacology (Independent Review) 1. PDE- 5 Inhibitor 2. 5-Alpha Reductase Inhibitor 3. Alpha-Adrenergic Receptor Antagonist 4. Anticholinergic 5. Loop Diuretic 6. Thiazide Diuretic 7. Potassium-Sparing Diuretic 8. Erythropoietic Growth Factor 9. Phosphate Binder 10. Hypokalemic Electrolyte Modifier 11. Nonopioid Urinary Tract Analgesic 12. Antihyperuricemic/Antigout Agent B. Nursing Assessment: Urinary System 1. Structures and Functions of the Urinary System 2. Assessment of the Urinary System a. Gerontologic Considerations: Effects of Aging on the Urinary System 3. Diagnostic Studies of the Urinary System a. Urine Studies *1. 34 Safe Practices for Healthcare: Labeling Specimen, Contrast Media, and Kidney Injury* b. Blood Studies c. Radiologic Studies C. Renal and Urologic Problems 1. Infectious and Inflammatory Urinary Problems a. Urinary Tract Infections b. Acute Pyelonephritis c. Interstitial Cystitis/Painful Bladder Syndrome 2. Immunologic Kidney Problems a. Glomerulonephritis b. Nephrotic Syndrome 3. Obstructive Uropathies	vSim Stan Checketts- Middle Aged, Caucasian, Male (Medical-Surgical Scenario) due 4/14/25 at 0800 **<u>Quiz #22- Gastrointestinal: Ch. 48</u>** **<u>4/14/25 0800-0830</u>** Clinical Assignment: Care for patients with various urinary, renal, and ale reproductive disorders. Handout: Urinary/Renal/Male Reproductive Pharmacology Topics (Independent Review) View Online ATI Pharmacology Made Easy 5.0 • Genitourinary System • Male Reproductive System ATI Text: RN Pharmacology for Nursing 9.0 • Unit 7, Ch. 29: Medications Affecting the Reproductive Tract ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 8, Ch. 58-63: Renal Disorders Preparation: Refer to Edvance360 Lesson- Week 14: Renal Independent Review (due 4/14/25) Lewis Ch. 49 Lewis Ch. 50 In-Class Activity: Glomerulonephritis Care Map

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 15	Use the nursing process as a framework for providing individualized care to a culturally diverse population with disorders of the urinary tract. (2,3,4,6,7)* Use the nursing process to plan and provide individualized care to patients with renal disorders. (2,3,4,7)* Summarize the significant socioeconomic, racial, ethnic, and environmental disparities for individuals impacted by chronic kidney disease (CKD). (6)* Evaluate the nursing implications for a patient undergoing dialysis. (2,3,7)* Examine the pathophysiology of tissue transplant rejection. (1)*	a. Urinary Tract Calculi b. Strictures 4. Renal Vascular Problems a. Nephrosclerosis b. Renal Artery Stenosis c. Renal Vein Thrombosis 5. Hereditary Kidney Diseases a. Polycystic Kidney Disease 6. Urinary Tract Tumors a. Bladder Cancer 7. Urinary Tract Surgery a. Nephrectomy b. Urinary Diversion D. Acute Kidney Injury and Chronic Kidney Disease 1. Acute Kidney Injury 2. Chronic Kidney Disease a. Gerontological Considerations *b. Social Determinants of Health* 3. Dialysis a. Hemodialysis b. Peritoneal Dialysis c. Continuous Renal Replacement Therapy (CRRT) 4. Kidney Transplant	**<u>Quiz #23- Renal/Urinary: Ch 49 and 50</u>** **<u>4/15/25 (0800-0830)</u>** *Phase V: EBP Poster Presentation in Mylander Conference Room 1030-1330 on 4/17/25 Lewis Ch. 51 Guest Lecturer: Dialysis Speaker In-Class Activity: Pharmacology Activity In-Class Activity: Prioritization, Delegation, and Interprofessional Care of a Renal Patient. **<u>Quiz #24- Urinary/Renal/Male Reproductive Pharmacology</u>** **<u>4/22/25 (0800-0830)</u>** In-Class NCLEX Practice 4/22/25 at 1200-1300
Week 15	Explain the pathophysiology, clinical manifestations, and collaborative care of benign prostatic hypertrophy (BPH). (1,2,3)* Demonstrate the correct technique for performance of testicular self-examination. (4)* Identify teaching strategies that promote the monthly practice of	E. Male Reproductive Problems 1. Benign Prostatic Hyperplasia (BPH) 2. Prostate Cancer 3. Prostatitis 4. Testicular Cancer 5. Erectile Dysfunction	Lewis Ch. 59 In-Class Activity: CBI Demo In-Class Activity: Location and identification of lumps on testicle model; prostate model vSim Harry Hadley- Geriatric, Caucasian, Male (Pharmacology Scenario) due 4/24/25 at 0800 **<u>Quiz #25- Renal/Male Reproductive: Ch. 51 & 59</u>** **<u>4/24/25 0800-0830</u>**

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	testicular self-examination. (1,5)* Discuss teaching needs of the patient with impotence. (2,4)*		
Week 16		**<u>Comprehensive Final Exam</u>** **<u>(2 hours)</u>** **<u>5/1/25 0800-1000</u>**	vSim Yoa Li- Young Adult, Asian, Male (Pharmacology Scenario) due 4/25/25 at 0800 ATI Practice Assessments: Targeted Med-Surg 2023 due 4/28/25 at 1500 • Respiratory • Endocrine • Neurosensory/Musculoskeletal • Gastrointestinal • Renal/Urinary