COURSE OUTLINE

Firelands Regional Medical Center School of Nursing
Sandusky, Ohio

MEDICAL SURGICAL NURSING

January, 2024

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

TEACHING ASSISTANT: None

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

TEXTBOOKS:

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. (2020). *Pharmacology made easy 4.0 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	Interactive Group Activities	Care Maps
Lecture and Discussion	Practice NCLEX Test Items	Gaming
Audio-Visual Aids	Simulation Lab	Globalization Presentation
Demonstrations	Case Studies	Skills Videos
Evidence-Based Poster	Online Lecture	PEARLS Simulation Debriefing
Clinical Judgment Exercises	Virtual Simulation Scenarios	Pharmacology Independent Studies
Pharmacology Activities	Guest Speakers	Prioritization, Collaboration & Delegation Activities
NCLEX Practice Sessions	Critical Thinking Exercises	
SBAR Handoff Report		

METHODS OF EVALUATION:

Quizzes	Globalization Presentation Rubric	Clinical Debriefing
Unit Tests	Skills Lab Competency Tool & Skills Checklists	ATI Proctored Assessment
Final Exam	Simulation Prebrief & Reflection Journals	Lasater's Clinical Judgment Rubric & Scoring Sheet
Evidence-Based Poster Rubric	Clinical Discussion Groups Grading Rubric	Virtual Simulation Scenarios

Nursing Care Map Rubric Evaluation of Clinical Performance Tool Meditech Documentation

BIBLIOGRAPHY OF LEARNING RESOURCES:

Bernard, F., Barkun, A.N., martel, M., & Von Renteln, D. (2018). Systematic review of colorectal cancer screening guidelines for average-risk adults: Summarizing the current global recommendations. *World Journal of Gastroenterology, 24*(1), 124-138. doi: 10.3748/wjg.v24.il.124

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

Gattinoni, L., Pesenti, A. & Matthay, M. (2018). Understanding blood gas analysis. *Intensive Care Med 44***,** 91–93. https://doi.org/10.1007/s00134-017-4824-y

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

Liebert, R. (2016). Establishment and evaluation of an anterior cruciate ligament injury prevention program. *Orthopaedic Nursing, 35*(3), 161-171. doi: 10.1097/NOR.0000000000000245

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

Miller, W. R., Otten, J. L., & Pleuger, M. (2016). Perceived changes in sleep in adults with epilepsy. *Journal of Neuroscience Nursing, 48*(4), 179-184.

Parmer, J., Allen, L., & Walton, W. (2017). Tuberculosis: A new screening recommendation and an expanded approach to elimination in the United States. *American Journal of Nursing, 117*(8), 24-34.

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

Wood, M. D., Powers, J., & Rechter, J. L. (2019). Comparative evaluation of chest tube insertion site dressings: A randomized controlled trial. *American Journal of Critical Care*, *28*(6), 415–423. https://doi.org/10.4037/ajcc2019645

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

WEB SITES:

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)

COURSE OUTLINE

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	**<u>Dosage Calculation Quiz #1 1/8/24 (0800-0830)</u>** Preparation: Refer to Edvance360 Lesson: Week 1- Course Orientation (due 1/8/24) 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 • Cellular Phone 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

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 1 (cont)		E. Assignments 1. EBP Poster Presentations	EBP Poster Presentation Handouts: • Guidelines for EBP Poster & Presentation • EBP Poster/Presentation Grading Rubric • EBP Poster Sign Up Sheet (sign up is due 1/12/24 by 1500) Phase I- Submit to the EBP Poster Phase I dropbox by 2/4/24 at 2200 Phase II- Submit to the EBP Poster Phase II dropbox by 0800 of 2/26/24 Phase III- Submit to EBP Poster Phase III dropbox by 3/22/24 at 1200 Phase IV- EBP Poster Presentation Review Day (in-class) 4/9/24 at 1130 Phase V- EBP Poster Presentation in Mylander Conference Room 1030-1330 on 4/18/24
		2. Globalization Project	Globalization Project Handouts: • Globalization of Healthcare Grading Rubric • Globalization Presentation Sign Up Sheet (sign up is due 1/12/24 by 1500)
		3. Pharmacology Independent Review	Handout- Pharmacology Independent Review Lists
		4. ATI Assignments a. Targeted Med-Surg 2019 Practice Assessments b. Skills Modules 3.0 c. Pharmacology Made Easy 4.0 d. ATI Proctored Assessment & Focused Review 2.0 Remediation	ATI Orientation Update Refer to Course Syllabus for due dates and times

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES

Week 1 (cont)		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. Rehab Orientation (0.5 hours)
		7. vSim
			Handout:
			• Lab Group Assignments
			• Clinical Schedule
			• Hand-Off Report 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 (1/23/24)
			• Simulation Orientation Documents (2/13/24)
			  • Simulation Schedule
			  • Simulation Confidentiality Form
			  • Clinical Judgment Model
			  • Lasater Clinical Judgment Rubric
			  • Reflection Journal
			  • Simulation Prebrief

		B. IV Math (2 hours)	Lab: IV Math Handout: IV Calculation Rules (distributed in lab) Lab: IV Math Application scenarios 1/10/24 & 1/11/24 with varying times (see Course Calendar)
		C. FSBS (1 hour)	Preparation: Refer to the Edvance360 Lesson: Week 1-FSBS (due 1/9/24) Skills Lab: One-on-one demonstration of competence with faculty
		D. Head to Toe Assessment Checkoff	Preparation: Refer to the Edvance360 Lesson: Week 1-Head to Toe Assessment Checkoff (due 1/9/24) • Basic Head to Toe Assessment Skills Checklist Skills Lab: Demonstration one-on-one with a faculty member

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 1 (cont)		E. Insulin Lab (1 hour) F. Meditech Update (1 hour) G. IV Pump (1 hour) H. IV Lab (3 hours) I. Mandatory Lab (3 hours)	Preparation: Refer to the Edvance360 Lesson: Week 1- Insulin Lab (due 1/9/24) Skills Lab: Guided practice; faculty observation of competence Meditech Station (in-person demonstration): • BMV for insulin and IV meds • IV intake documentation • Upgrade to Status Board for Meditech 2.2 Preperation: Refer to the Edvance360 Lesson: Week 1- IV Pump (due 1/9/24) IV Pump Station: Guided practice; faculty observation of competence Preparation: Refer to the Edvance360 Lesson: Week 1- IV Lab (due 1/12/24) Skills Lab: Guided practice; faculty observation of competence • Mandatory Lab Day #1 (1/10/24 & 1/11/24)- Preparation: Refer to the Edvance360 Lesson: Week 1- Mandatory Lab- NF Skills Review (due (1/10/24 or 1/11/24) • Mandatory Lab Day #2 (3/11/24 & 3/12/24)- Practice 2 skills of the student's choice and any skills that are currently evaluated as NI or U (sign-up required)
Week 2	Upon completion of this unit, the student will be able to:	UNIT I- RESPIRATORY NURSING (15 hours)	**MSN Skills Quiz (IV Math, FSBS, Insulin, IV content) 1/16/24 (0800-0830)** Clinical assignment: Care for patients with various pulmonary disorders

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 2 (cont)	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)*	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 9. Anticoagulants	Handout: Respiratory Pharmacology Topics (Independent Review) View Online ATI Tutorial: Pharmacology Made Easy 4.0 • The Respiratory System • The Hematologic System- Drug Therapy to Prevent/Dissolve Thrombi -Factor Xa/Thrombin Inhibitors -Vitamin K Inhibitors ATI Text: RN Pharmacology for Nursing 9.0 • Unit 3: Medications Affecting the Respiratory System (Ch. 16-17, pg. 127-140) • Unit 5 Medications Affecting the Hematologic System (pg. 189-194)
	Describe the respiratory system's primary function of gas exchange. (1)*	B. Anatomy and Physiology	Preparation: Refer to the Edvance360 Lesson- Week 2 Respiratory Independent Review (due 1/16/24) Lewis: Ch. 27
	Focus on the collection of subjective data to obtain a complete respiratory assessment. (2)*	C. Subjective Data	Lewis: Ch. 27
	Focus on the collection of objective data to obtain a complete respiratory assessment. (2)*	D. Objective Data 1. Inspection 2. Palpation 3. Percussion 4. Auscultation	Lewis: Ch. 27
	Integrate diagnostic tests and related nursing care commonly used to evaluate respiratory conditions. (1,2,3,4,5,6)*	E. Diagnostic Studies	Lewis: Ch. 27 ATI Text: RN Adult Medial Surgical Nursing 12.0 • Unit 3: Respiratory Diagnostic Procedures Ch. 18 (pg. 117-122) and Ch. 20 (pg. 129-137)

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WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 2 (cont)			Respiratory Management
	Establish nursing interventions that can be utilized to support ventilation of a patient. (1,2,3,6)*	F. Supporting Ventilation 1. Breathing Exercises 2. Airway Clearance Techniques 3. O_2 Therapy	Lewis: Ch. 28 (pg. 539-545)
	Organize and interpret various arterial blood gas results. (1,2,6)*	G. Arterial Blood Gases	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 1/17/24 or 1/18/24 at Trach. Lab)
	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)*	H. Infections and Obstruction of Upper Airway 1. Influenza a. *Core Measures & 34 Safe Practices for Healthcare: Immunization*	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) **<u>Dosage Calculation Quiz #2 1/12/24 (if needed)</u>**
		I. Obstructive sleep apnea	Lewis: Ch. 8 (pg. 112-114)

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WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 2 (cont)	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)* Maintain a tracheostomy and stoma site that is free of secretions and skin breakdown. (1,2,3,4,5,6)*	J. Tracheostomy and Nursing Management	Lewis: Ch. 28 (pg. 568-574) Optional Lab: Open Lab to Practice Trach Skills, IV Math, & IV pump 1/16/24 1200-1400 Preparation: Refer to Edvance360 Lesson: Week 2-Trach Care & Suctioning (due 1/17/24 & 1/18/24) Trach Lab (2 hours) 1/17/24 or 1/18/24 (see schedule) Tracheostomy care and suctioning (guided practice, 1:1 observation of competence) EBP Lab (1 hour) 1/17/24 or 1/18/24 (see schedule) Guest Speaker: Libby Kyle, M.A. in English FRMCSN Learning Resources Coordinator **<u>Respiratory Quiz: Content B-F 1/19/24 (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, preventive measures, and treatment of bacterial infection. (1,2,3,4,5,6)*	L. Lower Respiratory Tract Infections – Pneumonia and Tuberculosis 1. *Core Measure & 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

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WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	Describe the manifestations, diagnosis, treatment and prevention for COVID-19. (1,2,3,4,5,6)*	M. COVID-19	Lewis: Ch. 15 (pg. 245-249)
	Attribute the etiology, pathophysiology, clinical manifestations, and management of patients with lung cancer. (1,2,3,4,5,6)*	N. Lung Cancer	Lewis: Ch. 30 **<u>Dosage Calculation Quiz #3 1/19/24 (if needed)</u>**
Week 3			**<u>Respiratory Quiz: Content G-K 1/22/24 (0800-0830)</u>**
	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	Lewis: Ch. 31 ATI Text: 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 In-Class Activity: Respiratory Pharmacology *Reminder for students to submit electronic TB globalization presentation to Rachel by 1400 1/19/24
		Q. Capnography	
	Differentiate among a closed, an open, and a tension pneumothorax in terms of signs and symptoms,	R. Chest Trauma and Thoracic Injuries 1. Pneumothorax and Hemothorax	Lewis: Ch. 30 Ch. 28 (pg. 546-550) ATI Text: RN Adult Medical Surgical Nursing 12.0

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WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 3 (cont)	treatment, and nursing management. (1,2,3,4,5,6)*		• Unit 3, Ch. 26 Pneumothorax and Hemothorax (pg. 173-177), Ch. 19 Chest Tube Insertion and Monitoring (pg. 123-127) In-Class: Chest Tube Equipment
	Integrate the etiology, pathophysiology, clinical manifestations, and management of patients with chest surgery. (1,2,3,4,5,6)*	S. Chest Surgery	Lewis: Ch. 28 (pg. 550-552)
	Integrate the etiology, pathophysiology, clinical manifestations, and management of clients with restrictive respiratory disorders. (1,2,3,4,5,6)*	T. Restrictive Respiratory Disorders 1. Pleural Effusion 2. Atelectasis	Lewis: Ch. 30
	Integrate the etiology, pathophysiology, clinical manifestations, and management of clients with vascular lung disorders. (1,2,3,4,5,6)* Explore the social, ethnic, and cultural factors 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)*	U. Vascular Lung Disorders – Pulmonary Embolism	Lewis: Ch. 30 ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 3, Ch. 25 Pulmonary Embolism (pg. 167-171) **<u>Respiratory Quiz: Pharmacology 1/23/24 (0800-0830)</u>** **<u>In-Class TB Globalization Presentation 1/23/24</u>** In-Class Group Activity: Prioritization, Delegation & Interprofessional Care of Multiple Patients with Respiratory Conditions

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WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 4			vSim Vincent Brody- Geriatric, African American, Male (Medical-Surgical scenarios) due by 8:00a, 1/29/24 **<u>UNIT TEST I: Respiratory Nursing</u>** **<u>(1 hour)</u>** **<u>1/29/24 0800-0900</u>**
	Upon completion of this unit, the student will be able to: Outline the pharmacological agents used to treat endocrine and hypertensive related conditions. (1,2,3,5,6)* 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. (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 diabetes mellitus. (1,2)* Examine the collaborative care of the culturally diverse population	UNIT II - ENDOCRINE DYSFUNCTION (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. Hyperglycemics 11. Antithyroid 12. Thyroid Replacement B. Nursing assessment: Endocrine system 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	Clinical assignment: • Care for patients with various endocrine disorders Handout: Endocrine Pharmacology Topics (Indepenent review) View Online ATI Tutorial: Pharmacology Made Easy 4.0 • 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 1/29/24) Lewis: Ch 52 Lewis: Ch 53 ATI Text: RN Adult Medical Surgical Nursing, 12.0 • Unit 12: Ch. 83 Diabetes Management and Ch. 84 Complications of Diabetes

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Week 4 (cont)	with diabetes mellitus. (2,3,4,6,7)* Demonstrate proper nutrition and exercise strategies in the management of diabetes mellitus. (2,3,4,6,7)* Demonstrate the nursing management of a patient with diabetes mellitus in the ambulatory and home care settings. (2,3,4,6,7)* Recognize the pathophysiology and clinical manifestations of acute and chronic complications of diabetes mellitus. (2,3,4,6,7)* Verbalize the collaborative care and nursing management of the patient with acute and chronic complications of diabetes mellitus. (2,3,4,6,7)* Demonstrate the use of accomplished and/or exemplary clinical judgment in the management of care for a patient with diabetes mellitus. (1,2,3,4,5,6,7)*	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	**<u>Endocrine Quiz: Ch. 52, 53 1/30/24 (0800-0830)</u>** Guest Lecturer: Nathan Raftery, RN, DSME Diabetes Education 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 *Reminder for students to submit electronic DM globalization presentation to Monica by 1400 2/2/24 In Class Activity: Diabetes Activity
Week 5	Differentiate between primary and secondary hypertension (1, 5)* Formulate goals of management for hypertension (3, 5)*	11. Introduction to hypertension (Independent Review) a. Normal Regulation of Blood Pressure 1. Sympathetic Nervous System 2. Vascular Endothelium 3. Renal System 4. Endocrine System b. Hypertension 1. Classification of Hypertension	Lewis Ch. 36: p. 797-814 Refer to Edvance360 Lesson: Week 5- Ch. 36 HTN Online PowerPoint & Activity ATI Text: RN Adult Medical Surgical Nursing, 12.0 • Unit 4: Ch. 37 Hypertension

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 5 (cont)		2. Etiology 3. Pathophysiology of Primary Hypertension 4. Genetic Link 5. Clinical Manifestations 6. Complications 7. Diagnostic Studies 8. Interprofessional Care 9. Nursing Management	**<u>Endocrine Quiz: Ch. 53, 36 2/5/24 (0800-0830)</u>**
	Verbalize the definition of cancer. (1)* 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)* Analyze laboratory and diagnostic tests used to diagnose cancer. (1)* Describe the effects of each cancer treatment modality on the body. (1,2,3)* Design-a nursing care map for providing individualized care to the client with cancer. (2,3,4,5,6)* Describe the nursing interventions required for complications resulting from cancer.	D. Cancer Characteristics 1. Cancer incidence and trends 2. Biology of cancer 3. Pathophysiology 4. Benign versus 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. Hemotpoietic Growth Factors 13. Hematopoietic Stem Cell Transplantation 14. Gene Therapy 15. Complications of cancer 16. Coping with Cancer and Treatment 17. Cancer Survivorship	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 In-Class: NCLEX Practice 2/5/24 1230-1330

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 5 (cont)	(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 the patient with an imbalance of hormones produced by the anterior pituitary gland. (2,3,4,6,7)* Describe the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with an imbalance of antidiuretic hormone secretion. (2,3,4,6,7)* Interpret the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with thyroid dysfunction. (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	E. 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 *F. Social Determinants of Health*	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 **Endocrine Quiz: Pharmacology 2/6/24 (0800-0830)** In-Class Group Activity: Prioritization, Delegation and Interprofessional Care of Multiple Patients with Endocrine Conditions, Cancer, or HTN **In-Class: DM Globalization Presentations 2/6/24**

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	an imbalance of hormones produced by the adrenal cortex. (2,3,4,6,7)*		
Week 6			vSim Juan Carlos- Middle Aged, Hispanic, Male (Pharmacology scenario) due by 8:00a, 2/12/24 **<u>UNIT TEST II: Endocrine Nursing</u>** **<u>(1 hour)</u>** **<u>2/12/24 0800-0900</u>**
	Upon completion of this unit, the student will be able to: Outline the pharmacological agents used to treat musculoskeletal & infectious disease related conditions. (1,2,3,5,6)*	UNIT III - MUSCULOSKELETAL NURSING (13 hours) A. Musculoskeletal Pharmacology (Independent review) 1. Disease Modifying Antirheumatic Drugs (Nonbiologic DMARD and Biologic DMARD) 2. Penicillin 3. Vancomycin 4. Aminoglycosides 5. Sulfonamides 6. Antiparasitic 7. Antifungal 8. Antiviral 9. Bisphosphonates 10. Cephalosporins 11. Macrolides 12. Fluoroquinolones 13. Tetracyclines	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 On-line: ATI Pharmacology Made Easy 4.0: The Musculoskeletal System • Drug therapy for osteoporosis • Drug therapy for rheumatoid arthritis • Case study • Activities View On-line: ATI Pharmacology Made Easy 4.0: Infection • Antibacterials • Antiparasites • Antifungals • Antivirals • Case Study • Activities In-class activity: Musculoskeletal Pharmocology activity

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 6 (cont)	Describe the structures and functions of the different tissues that compose the musculoskeletal system. (1)* Compare and contrast age-related changes in the musculoskeletal system. (1)*	B. Anatomy and Physiology 1. Structures and functions of the musculoskeletal system 2. Gerontologic considerations	Preparation: Refer to Edvance360 Lesson- Week 6 Musculoskeletal Independent Review (due 2/12/24) Lewis: Ch. 66
	Analyze the significant subjective and objective data related to the musculoskeletal system that should be obtained during a patient assessment. (2)* Describe the appropriate techniques 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)*	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	ATI Text: RN Adult Medical Surgical Nursing 12.0 • Unit 10 Musculoskeletal Disorders
	Analyze common etiologic factors, clinical manifestations,	D. Musculoskeletal Trauma and Orthopedic Surgery 1. Soft tissue injuries	**M/S Quiz Ch. 66 2/13/24 (0800-0830)**

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COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 6 (cont)	and collaborative management of common disorders of the musculoskeleltal 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. (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 individualizezd care to patients with musculoskeletal disorders. (2,3,47)* Explain complications associated with fracture injury and the treatment regimens for those complications. (3,6,7)*	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); 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 1. Hip fracture 3. Amputation 4. Types of Joint Surgeries	Lewis: Ch. 67 In-Class Video: Tinel's and Phalen's sign, McMurry's test, Lachman's test. In-Class Activity: Fracture Case Study Handout: VTE/DVT Risk Assessment
	Differentiate between the causes and characteristics of acute and chronic osteomyelitis. (2,3,4,6)* Differentiate between the causes	E. Musculoskeletal Problems 1. Osteomyelitis F. Back Pain	Lewis: Ch. 68

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COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 6 (cont)	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)*	1. Acute low back pain 2. Chronic low back pain 3. Intervertebral disk disease 4. Neck pain G. Metabolic Bone Disorders 1. Osteoporosis	In-Class Activity: Risk Assessment for Osteoporosis Lewis: Ch. 69
Week 7	Contrast the etiology, pathophysiology, clinical manifestations, and collaborative management of individuals with osteoarthritis versus 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)* 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)*	H. Arthritis and Connective Tissue Disease 1. Osteoarthritis 2. Rheumatoid Arthritis 3. out 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. Geronotologic Considerations	Lecture and discussion In-Class Activity: Arthritis and Connective Tissue Disease Activity ATI RN Fundamentals Practice Assessment 2019 Version B, due 2/16/24 by 1500 (Reminder: You must obtain ≥ 80%) Lewis: Ch. 22 In-Class Activity: Rinne and Weber Test

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 7 (cont)	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 & 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 Functions of Auditory System a. External Ear b. Middle Ear c. Inner Ear d. Hearing Sound e. Geronotological Considerations 2. Assessment of Auditory System a. Subjective data b. Objective data 3. Diagnostic Studies of the Auditroy System 4. External Ear and Canal Problems 5. Middle Ear and Mastoid Problems 6. Inner Ear Problems a. Meniere disease b. Aucoustic Neuroma c. Hearing loss and deafness	**M/S Pharm Quiz:** **Musculoskeletal System, Sensory, and Infection** **2/20/24 (0800-0830)** In-Class Activity: Multipatient Prioritization, Delegation and Interprofessional Care Activity Lewis: Ch. 23 **ATI RN Fundamentals 2023 Proctored Assessment** **2/23/23 (see schedule)** In-Class: ATI Focused Review 2.0 & Remediation Orientation 2/26/24
Week 8			vSim Marilyn Hughes- Middle Aged, Caucasian, Female (Medical-Surgical scenario) due by 8:00a,

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COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
			2/26/24 **<u>UNIT TEST III: Musculoskeletal Nursing</u>** **<u>(1 hour)</u>** **<u>2/26/24 0800-0900</u>** High Fidelity Simulation Lab: • Musculoskeletal/Endocrine (3.5 hours) (see schedule and scenario materials in Edvance360 Resources) Simulation Prebrief & Report Sheet due 2/28/24 or 2/29/24 at the start of the simulation session. Simulation #1 Reflection Journal & Survey due 3/2/24 by 2200.
Week 9

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
(cont)			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)
	Differentiate between the three major divisions of the nervous system with consideration of the effects of aging. (1)*	B. Structure and functions of Nervous System 1. Neuron 2. Central nervous system 3. Peripheral nervous system 4. Autonomic nervous system 5. Geriatric considerations	Preparation: Refer to Edvance360 Lesson- Week 9 Neurological Independent Review (due 3/11/24) Lewis: Ch. 60 In-class Activity: Neurological Assessment
	Analyze subjective and objective assessment data collected with the neurological assessment. Consider cultural, racial, and ethnic influence and disparities. (2,4,5,6)*	C. Subjective Data 1. Important health information 2. Functional health patterns D. Objective Data 1. Cranial nerves 2. Motor and sensory systems	
	Describe diagnostic procedures used to evaluate neurological disease with consideration for patient education. (1,2,4,5)*	E. Diagnostic Tests 1. Laboratory 2. Radiological	
	Discuss etiology, pathophysiology, clinical manifestations, and nursing management of increased ICP. (1,2,3,4,5,6)* Examine the etiology, pathophysiology, clinical manifestations, and nursing	F. Acute Intracranial Problems 1. Intracranial Regulation 2. Increased Intracranial Pressure 3. Nursing Management: Increased Intracranial Pressure 4. Head Injury 5. Nursing Management: Head Injury 6. Brain Tumors 7. Nursing Management: Brain Tumors	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
Week 9			

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
(cont)	management of head injury (1,2,3,4,5,6)* Discuss 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 etiology, pathophysiology, clinical manifestations, and nursing management of meningitis. (1,2,3,4,5,6)*	8. Cranial Surgery 9. Nursing Management: Cranial Surgery 10. Bacterial Meningitis 11. Nursing Management: Bacterial Meningitis 12. Viral Meningitis 13. Brain Abscess 14. Encephalitis	**<u>Neuro Quiz: Ch. 60 & 61 3/12/24 (0800-0830)</u>**
	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 versus hemorrhagic stroke (1,2,3,4,5,6)*	G. Chronic Neurologic Problems 1. Headaches i. Tension-Type Headache ii. Migraine Headache iii. Cluster Headache iv. Other types of headaches v. Interprofessional Care: Headaches vi. Nursing Management: Headaches 2. Chronic Neuroligic Disorders 3. Nursing Management: Seizure Disorder 4. Restless Leg Syndrome 5. Degenerative Neurologic Disorders i. Multiple Sclerosis ii. Nursing Management: Multiple Sclerosis iii. Parkinson Disease iv. Nursing Management: Parkinson Disease v. Myasthenia Gravis vi. Nursing Management: Myathenia Gravis vii. Amyotrophic Lateral Sclerosis	Read Lewis: Ch. 63 In-Class Activity: Pharmacology Activity Nurse Career Panel 3/12/24 1200-1300

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COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	Formulate a care map for an ischemic stroke patient (1,6)*	viii. Huntington Disease	
Week 10	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 etiology, pathophysiology, clinical manifestations, and nursing management of epilepsy. (1,2,3,4,5,6)* Discuss pharmacological agents to treat epilepsy. (1,2,3,4,5)* Analyze the etiology, pathophysiology, clinical manifestations, and nursing management of various chronic neurological problems (Multiple sclerosis, Parkinson's disease and Alzheimer's' Disease). (1,2,3,4,5,6)* Describe the pharmacological management of Parkinson's disease and MS. (1,2,3,4,5)*	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 measure*s for Stroke a. Dysphagia screening b. Smoking cessation c. Diabetes control d. Cholesterol control e. DVT prevention (value-based purchasing) f. Anticoagulation measures 9. *Social Determinants of Health*	Lewis: Ch. 62 In-Class Group Activity: Evolving case study; Prioritization, Interprofessional Care & Delegation In-Class Activity: • CT v. MRI game • TPA inclusion activity *Reminder for students to submit electronic Stroke globalization presentation to Heather by 1400 3/22/24 **<u>Neuro Quiz: Ch. 62 & 63 3/19/24 (0800-0830)</u>**
Week 10 (cont)	Discuss etiology, pathophysiology, clinical	I. Alzheimer's Disease, Dementia, and Delirium 1. Etiology	Lewis: Ch. 64

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	manifestations, and nursing management of Alzheimer's disease, dementia, and delirium. (1,2,3,4,5,6)* Describe the pharmacological management of Alzheimer's disease, dementia, and delirium. (1,2,3,4,5)*	2. Pathophysiology 3. Clinical manifestations 4. Diagnostic studies 5. Interprofessional care 6. Nursing management 7. Safety measures (CMS)	In-Class Activity: Dementia activity In-Class NCLEX Practice 3/19/24 1230-1330
Week 11	Discuss etiology, pathophysiology, clinical manifestations, and nursing management of cranial 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)*	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 5. Guillain-Barre syndrome a. Etiology b. Pathophysiology c. Clinical manifestations d. Diagnostic studies e. Interprofesional care f. Nursing management	Lewis: Ch. 65 **Neurological Quiz: Pharmacology 3/25/24 (0800-0830)** **In-Class: Stroke Globalization Presentations 3/25/24** **UNIT TEST IV: Neurological Nursing (1 hour) 3/26/24 0800-0900**
Week 11 (cont)	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)*	UNIT V - GASTROINTESTINAL, BILIARY, AND HEPATIC NURSING (18 hours) A. Gastrointestinal Pharmacology (independent review) 1. Bulk-Forming Agent 2. GI Anti-Inflammatory (5-Aminosalicylates) 3. Mucousal Protectant 4. Histamine H_2 Antagonist 5. Antidiarrheal 6. Stool Softener/Surfactant Laxative 7. Anti-Irritable Bowel Syndrome Agent 8. Antacid	Clinical Assignment: Care of a patient with various GI or hepatic disorders Clinical Observation: Digestive Health Handout: GI Pharmacology Topics (Independent review) In-Class Activity: GI Pharmacology View Online: ATI Pharmacology Made Easy 4.0- The Gastrointestinal System

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COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
		9. Dopamine Antagonist (Anti-nausea) 10. Serotonin Antagonist (Anti-nausea) 11. Proton-Pump Inhibitor 12. Stimulant Laxatives	ATI Text: RN Pharmacology for Nursing, 9.0 • Unit 6: Ch. 26-27 Medications Affecting the Gastrointestinal System and Nutrition ATI RN Adult Medical Surgical Nursing 12.0 • Unit 7: Ch. 47-56 Nursing Care of Clients with Gastrointestinal Disorders
	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 gastrointestinal system. (2, 4)* Examine the purpose and nursing responsibilities related to diagnostic studies of the gastrointestinal system. (2)*	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 b. Endoscopy c. Liver biopsy	Preparation: Refer to Edvance360 Lesson- Week 11 Gastrointestinal Independent Review (due 3/26/24) Lewis: Ch. 43 ATI RN Fundamentals Focused Review & Remediation Binder due 4/1/24 by 1500 Refer to the Edvance360 Lesson: Week 11- Ch. 43-44 Online Lecture PowerPoints (due 4/1/24)
	Analyze the common etiologic factors, clinical manifestations, and management of malnutrition. (1,2,7)* Identify the physiologic, functional, environmental, dietary, psychologic, and social factors related to nutritional risk in older adults (1, 2, 6, 7)*	C. Nutritional Problems 1. Malnutrition 2. Nursing and interprofessional management: Malnutrition 3. Gerontologic considerations: Malnutrition. 4. Specialized nutritional support a. Enteral nutrition b. Parenteral nutrition (PN)	Lewis: Ch. 44 In-Class Activity: Nutrition Clinical Judgment Activity
Week 11 (cont)	Examine the indications, complications, and nursing management related to the use of		

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COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	parenteral nutrition and enteral nutrition. (1,2,7)* 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)*	D. 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	Lewis: Ch 46 In-Class Video: • Dystonia & Tardive Dyskinesia In-Class Activity: • GERD/Esophageal Cancer Case Study
Week 12 Week 12 (cont)	Differentiate between gastric and duodenal ulcers. (2,3,4,6,7)* Assess priority patient data related to upper gastrointestinal bleeding. (1, 2, 3, 6)* 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)*	4. Stomach and upper small intesting problems a. Gastritis b. Peptic ulcer disease (PUD) c. Upper gastrointestinal bleeding E. Nursing Management: Lower GI Problems 1. Diarrhea 2. Constipation a. Safe use of opioids & addiction 3. Irritable bowel syndrome (IBS) 4. Inflammatory disorders a. Appendicitis b. Peritonitis 1) *Core Measure: 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*	In-Class Activity: • Peptic Ulcer Disease NGN Case Study **<u>GI Quiz: Ch. 43 and 44 Online Lecture Content 4/1/24 (0800-0830)</u>** Lewis: Ch 47 In-Class Activity: Lower GI NCLEX Activity In-Class NGN Case Study: Ulcerative Colitis/Crohn's Disease

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COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	Summarize the types, clinical manifestation, collaborative care, and nursing management related to intestinal obstructions. (1,2,5,6,7)* Describe the clinical manifestations and collaborative management of colorectal cancer. (2,3,4,6,7)*	*Site Infection Prevention* 8. Ostomy surgery	
Week 13

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	prioritization and management of care with a case scenario involving multiple patients with gastrointestinal conditions. (1,2,3,4,5,6,7)*		2200
Week 14			vSim Stan Checketts- Middle Aged, Caucasian, Male (Medical-Surgical scenario) due by 8:00a, 4/15/24 **<u>UNIT TEST V: GI Nursing</u>** **<u>(1 hour)</u>** **<u>4/15/24 0800-0900</u>**
Week 14 (cont)	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)*

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
	and objective assessment data related to the urinary system. (2)*	*specimen, contrast media, and kidney injury* b. Blood Studies c. Radiologic Procedures	
	Describe the pathophysiology of commonly occurring disorders of the urinary tract. (1)*	C. Renal and Urologic Problems 1. Infectious and Inflammatory Urinary Problems a. Urinary Tract Infection b. Acute Pyelonephritis c. Interstitial Cystitis/Painful Bladder Syndrome	Lewis: Ch. 50
	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)*	2. Immunologic Kidney Problems a. Glomerulonephritis b. Nephrotic Syndrome 3. Obstructive Uropathies a. Urinary Tract Calculi b. Strictures	In-Class Activity: Glomerulonephritis Care Map
Week 14 (cont)	Analyze the common etiologic factors, clinical manifestations, and collaborative managment of common disorders of the urinary tract. (1,2,7)* 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)*	4. Renal Vascular Problems a. Nephrosclerosis b. Renal Artery Stenosis c. Renal Vein Thrombosis 5. Herditary Kidney Diseases a. Polycystic Kidney Disease 6. Urinary Tract Tumors a. Bladder Cancer 7. Urinary Tract Surgery a. Nephrectomy b. Urianary Diversion	**Renal/Urinary Quiz: Ch. 49, 50 (through obstructive uropathies) 4/16/24 (0800-0830)**
Week 15	Summarize the significant socioeconomic, racial and ethnic, and environmental disparities for individuals impacted by chronic kidney disease (CKD). (6)* Evaluate the nursing implications for a patient undergoing dialysis.	D. Acute Kidney Injury and Chronic Kidney Disesae 1. Acute Kidney Injury 2. Chronic Kidney Disease a. Gerontological Considerations b. *Social Determinents of Health* 3. Dialysis a. Hemodialysis b. Peritoneal Dialysis	Lewis: Ch. 51 Content D: Refer to Edvance360 Lesson: Week 15- Ch. 51 Renal Failure Online PowerPoint (optional) Guest Lecturer: Julia Colavincenzo RN, CNN

*Course Objectives

COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 15 (cont)	(2,3,7)* Examine the pathophysiology of tissue transplant rejection. (1)*	c. Continuous Renal Replacement Therapy (CRRT) 4. Kidney Transplant	Director of dialysis services Firelands Regional Health System In-Class Activity: "Guess the Medication" game (Pharmacology activity) In-Class Activity: Prioritization, Delegation & Interprofessiona Care of a Renal Patient **<u>Urinary/Renal/Male Reproductive: Pharmacology Quiz 4/23/2024 (0800-0830)</u>** In-Class: NCLEX Practice 4/23/2024 1200-1300
	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 testicular self-examination. (1,5)* Discuss teaching needs of the patient with impotence. (2,4)*	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 tesicle model; Prostate model. In- Class Activity: Renal Jeopardy vSim Harry Hadley- Geriatric, Caucasion, Male (Pharmacology Scenario) due by 8:00a, 4/22/2024 **<u>UNIT TEST VI: Renal/Urinary/Male Reproductive Nursing (1 hour)</u>** **<u>4/25/2024 0800-0900</u>**

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COURSE OUTLINE

WEEK	UNIT OBJECTIVES	CONTENT	RELATED LEARNING EXPERIENCES
Week 16		**COMPREHENSIVE FINAL EXAMINATION- (2 HOURS) 5/2/24 0800-1000**	vSim Yoa Li- Young Adult, Asian, Male (Pharmacology scenario) due 4/29/24 by 1500 ATI Practice Assessments Targeted Med-Surg 2019: Respiratory, Endocrine, Neurosensory/Musculoskeletal, Gastrointestinal, and Renal/Urinary (due 4/30/24 by 1500)

12/26/2023