

COURSE OUTLINE

Firelands Regional Medical Center School of Nursing
Sandusky, Ohio

MEDICAL SURGICAL NURSING

January, 2023

TIME ALLOTMENT: 107 Theory Hours
13 Planned Laboratory Hours
22 Planned Simulation Hours
3 Planned Observation Hours
106 Planned Clinical Hours
144 Total number of Laboratory, Simulation, Observation, and Clinical hours combined
251 Total Course Hours
10 Credit Hours

FACULTY: Dawn Wikel, MSN, RN, CNE (Co-Course Coordinator)
Lora Malfara, MSN, RN (Co-Course Coordinator)
Kelly Ammanniti, MSN, RN
Monica Dunbar, MSN, RN
Nick Simonovich, MSN, RN

TEACHING ASSISTANT: Rachel Haynes, 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

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. (2019). *RN pharmacology for nursing* (8th ed.). ATI.

Assessment Technologies Institute; LLC. (2019). *RN adult medical surgical nursing* (11th 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 Plans & Maps– |
| Lecture and Discussion | Practice NCLEX Test Items | Critical Thinking Exercises |
| Audio-Visual Aids | Simulation Lab | Gaming |
| Demonstrations | Case Studies | Globalization Presentation |
| Evidence-Based Poster | Online Lecture | Skills Videos |
| Pharmacology Self-Studies | PEARLS Simulation Debriefing | Prioritization & Delegation Activities |
| Clinical Judgment Exercises | Virtual Simulation Scenarios | NCLEX Practice Sessions |
| Pharmacology Activity | Guest Speakers | |

METHODS OF EVALUATION:

| | | |
|-----------------------------------|--|--|
| Quizzes/Unit Tests | Clinical Discussion Group Grading Rubric | Evidence-Based Poster Rubric |
| ATI Proctored Assessment | Evaluation of Clinical Performance Tool | Final Exam |
| Globalization Presentation Rubric | Meditech Documentation | Nursing Care Map Rubric |
| Clinical Debriefing | Skills Lab Competency Tool & Skills Checklist | Simulation, Prebriefing, PEARLS Debriefing, & Reflection |
| Virtual Simulation Scenarios | Lasater’s Clinical Judgment Rubric & Scoring Sheet | Journal |

BIBLIOGRAPHY OF LEARNING RESOURCES:

- A'Court, J., Lees, D., Harrison, W., Ankers, T., & Reed, M. (2017). Pain and analgesia requirements with hip fracture surgery. *Orthopaedic Nursing*, 36(3), 224-227. doi: 10.1097/NOR.0000000000000347
- Anderson, J. A. (2016). Acute ischemic stroke: The golden hour. *Nursing2016Critical Care*, 11(3), 28-36.
- Armstrong, C.O. (2017). Post-op incentive spirometry: Why, when, & how. *Nursing 2017*, 47(6), 54-57.
- 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
- Bowen, P. (2016). Early identification, rapid response, and effective treatment of acute stroke: Utilizing teleneurology to ensure optimal clinical outcomes. *MedSurg Nursing*, 25(4), 241-243.
- 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 COPD- Global Initiative for Chronic Obstructive Lung Disease (GOLD) 2017. Available from <http://goldcopd.org>
- 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
- Gwynne-Jones, D. P., Martin, G., & Crane, C. (2017). Enhanced recovery after surgery for hip and knee replacements. *Orthopaedic Nursing*, 36(3), 203-210. doi: 10.1097/NOR.0000000000000351
- Jeffries, M., Flanagan, J., Davies, D., & Knoll, S. (2017). Evidence to support the use of occlusive dry sterile dressings for chest tubes. *Medsurg Nursing*, 26(3), 171-174.
- 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
- Lindgreen, P., Rolving, N., Nielsen, C. V., & Lomborg, K. (2017). Interdisciplinary cognitive-behavioral therapy as part of lumbar spinal fusion surgery rehabilitation. Experiences of patients with chronic low back pain. *Orthopaedic Nursing*, 35(4), 238-247. doi: 10.1097/NOR.0000000000000259
- 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.
- Mori, C., Hageman, D., Zimmerly, K. (2017). Nursing care of the patient undergoing an anterior approach to total hip arthroplasty. *Orthopaedic Nursing*, 36(2), 124-129. doi: 10.1097/NOR.0000000000000326
- Norton, J. M., Newman, E. P., Romancito, G., Mahooty, S., Kuracina, T., & Narva, A. S. (2017). Improving outcomes for patients with chronic kidney disease: Part 1. *American Journal of Nursing*, 117(2), 22-32. doi:10.1097/01.NAJ.0000512272.33956.8b
- Norton, J. M., Newman, E. P., Romancito, G., Mahooty, S., Kuracina, T., & Narva, A. S. (2017). Improving outcomes for patients with chronic kidney disease: Part 2. *American Journal of Nursing*, 117(3), 26-35. doi:10.1097/01.NAJ.0000513259.90613.27
- O'Shaughnessy, J., Grzelak, M., Dontsova, A., & Braun-Alfano, I. (2017). Early sepsis identification. *Medsurg Nursing*, 26(4), 248-252.
- 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.

- Salt, E., Gokun, Y., Kerr, A. R., & Talbert, J. (2017). A description and comparison of treatments for low back pain in the United States. *Orthopaedic Nursing, 36*(4), 214-221. doi: 10.1097/NOR.0000000000000258
- Seckel, M.A. (2017). Sepsis-3: The new definitions. *Nursing 2017 Critical Care, 12*(2), 37- 43.
- 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

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> (Mozilla Firefox is the preferred internet browser for this website)
- <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. | <p>INTRODUCTION AND OVERVIEW OF COURSE REQUIREMENTS (2 hours)</p> <p>A. Welcome</p> <p>B. Course Overview</p> <ol style="list-style-type: none"> 1. Course Syllabus 2. Course Outline 3. Course Calendar 4. ACE and STAR for ACE <p>C. Student Handbook</p> <p>D. COVID-19 Syllabus Addendum</p> <p>E. Course Document Receipt</p> <p>F. Patient Satisfaction</p> | <p><u>Dosage Calculation Quiz #1 1/9/23 (0800-0830)</u></p> <p>Refer to Edvance360 Lesson: Week 1- Course Orientation (due 1/9/23)</p> <p>Handout:</p> <ul style="list-style-type: none"> • 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 • COVID-19 Syllabus Addendum & Attestation <p>Review (online- Edvance360): Student Handbook</p> <ul style="list-style-type: none"> • 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 <p>Edvance360- Resources, Discussion, Lessons, Surveys, Dropbox</p> <p>ATI Update</p> <p>Guest lecturer: Amanda Cloud, CRT Patient Advocacy Specialist Firelands Regional Medical Center</p> |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|--------------------------|-----------------|--|--|
| <p>Week 1 (cont)</p> | | <p>B. IV Math (2 hours)</p> <p>C. FSBS (1 hour)</p> <p>D. Head to Toe Assessment Checkoff</p> <p>E. Insulin Lab (1 hour)</p> <p>F. Meditech Update (1 hour)</p> <p>G. IV Pump (1 hour)</p> | <ul style="list-style-type: none"> • Rehab Orientation Tips (1/24/23) • Simulation Orientation Documents (2/14/23) <ul style="list-style-type: none"> • Simulation Schedule • Simulation Confidentiality Form • Clinical Judgment Model • Lasater Clinical Judgment Rubric • Reflection Journal • Simulation Prebrief <p>IV Math Handout: IV Calculation Rules (distributed in-class)</p> <p>Lab: IV Math Application scenarios 1/11/23 & 1/12/23 with varying times (see course calendar)</p> <p>Refer to the Edvance360 Lesson: Week 1- FSBS (due 1/10/23)</p> <p>Skills Lab: One-on-one demonstration of competence with faculty</p> <p>Refer to the Edvance360 Lesson: Week 1- Head to Toe Assessment Checkoff (due 1/10/23)</p> <ul style="list-style-type: none"> • Basic Head to Toe Assessment Skills Checklist <p>Skills Lab: Demonstration one-on-one with a faculty member</p> <p>Refer to the Edvance360 Lesson: Week 1- Insulin Lab (due 1/10/23)</p> <p>Guided practice; faculty observation of competence</p> <p>In-Person Lab Demonstration:</p> <ul style="list-style-type: none"> • BMV for insulin and IV meds • IV intake documentation <p>Refer to the Edvance360 Lesson: Week 1- IV Pump (due 1/10/23)</p> |
| <p>Week 1</p> | | | |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|--------|--|---|--|
| (cont) | | <p>H. IV LAB (4 hours)</p> <p>I. Mandatory Lab (3 hours)</p> | <p>Refer to the Edvance360 Lesson: Week 1- IV Lab (due 1/13/23)</p> <p>Guided practice; faculty observation of competence</p> <ul style="list-style-type: none"> • <u>Mandatory Lab #1 (1/11/23 & 1/12/23)</u>- Refer to the Edvance360 Lesson: Week 1- Mandatory Lab- NF Skills Review (due 1/11/23 or 1/12/23) • <u>Mandatory Lab #2 (3/13/23 & 3/14/23)</u>- Practice 2 skills of the student's choice and any skills that are currently evaluated as NI or U (sign-up required) |
| Week 2 | <p>Upon completion of this unit, the student will be able to:</p> <p>Utilize appropriate clinical judgment in the care of patients with respiratory conditions. (1,2,3,4,5,6,7)*</p> <p>Outline the pharmacological agents used to treat respiratory related conditions. (1,2,3,5,6)*</p> <p>Describe the respiratory system's primary function of gas exchange. (1)*</p> | <p>UNIT I- RESPIRATORY NURSING (15 hours)</p> <p>A. Respiratory Pharmacology</p> <ol style="list-style-type: none"> 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 <p>B. Anatomy and Physiology</p> <ol style="list-style-type: none"> 1. Upper Airway 2. Lower Airway 3. Chest Wall 4. Physiology of Respiration 5. Control of Respiration 6. Respiratory Defense Mechanisms | <p>Clinical assignment: Care for patients with various pulmonary disorders</p> <p>Handout: Respiratory Pharmacology Topics (Self-Study)</p> <p>View Online ATI Tutorial: Pharmacology Made Easy 4.0</p> <ul style="list-style-type: none"> • The Respiratory System • The Hematologic System- Drug Therapy to Prevent/Dissolve Thrombi -Factor Xa/Thrombin Inhibitors -Vitamin K Inhibitors <p>ATI Text: RN Pharmacology for Nursing 8.0</p> <ul style="list-style-type: none"> • Unit 3: Medications Affecting the Respiratory System (Ch. 17-18, pg. 131-144) • Unit 5 Medications Affecting the Hematologic System (pg. 193-203) <p>Lewis: Ch. 27</p> |
| Week 2 | | | |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|--------|---|---|--|
| (cont) | Focus on the collection of subjective data to obtain a complete respiratory assessment. (2)* | 7. Gerontological Considerations C. Subjective Data 1. Respiratory Health History | 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 11.0 <ul style="list-style-type: none"> • Unit 3: Respiratory Diagnostic Procedures Ch. 17 (pg. 105-110) and Ch. 19 (pg. 115-124) 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 1. pH and Hydrogen Ion Concentration 2. Acid-Base Regulation 3. Alterations in Acid-Base Balance 4. Etiology 5. Clinical Manifestations 6. Interpretation of ABG's 7. Venous 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 1/18/23 or 1/19/23 at Trach. Lab) |
| Week 2 | Illustrate the etiology, pathophysiology, clinical manifestations, and management of the patient with influenza. (1,2,3,4,5,6)* | H. Infections and Obstruction of Upper Airway 1. Influenza a. Etiology and Pathophysiology b. Clinical Manifestations c. Diagnostic Studies | Lewis: Ch. 29 ATI Text: RN Adult Medical Surgical Nursing 11.0 <ul style="list-style-type: none"> • Unit 3, Ch. 20 Acute Respiratory Disorders (pg. 125-128) |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|--------|--|---|---|
| (cont) | <p>Consider social, ethnic, and cultural factors associated with vaccination status. (3,4,5,6)*</p> <p>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)*</p> <p>Maintain a tracheostomy and stoma site that is free of secretions and skin breakdown. (1,2,3,4,5,6)*</p> <p>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)*</p> | <p>d. Nursing and Interprofessional Management e. <i>Core Measures & 34 Safe Practices for Healthcare: Immunization</i></p> <p>I. Obstructive sleep apnea 1. Etiology 2. Clinical Manifestations 3. Diagnostic Studies 4. Nursing and Interprofessional Management</p> <p>J. Tracheostomy and Nursing Management</p> <p>K. Head and Neck Cancer 1. Etiology 2. Clinical manifestations 3. Diagnostic studies 4. Interprofessional care 5. Nursing management</p> <p>L. Lower Respiratory Tract Infections – Pneumonia and</p> | <p>Handout: Influenza Vaccine Information Sheet (CDC)</p> <p><u>Dosage Calculation Quiz #2 1/13/23 (if needed)</u></p> <p>Lewis: Ch. 8 (pg. 112-114)</p> <p><u>MSN Skills Quiz (IV Math, FSBS, Insulin, IV content) 1/17/23 (0800-0830)</u></p> <p>Lewis: Ch. 28 (pg. 568-574)</p> <p>Optional Lab: Open Lab to Practice Trach Skills, IV Math, & IV pump 1/17/23 1200-1400</p> <p>Refer to Edvance360 Lesson: Week 2- Trach Care & Suctioning (due 1/18/23 & 1/19/23) Trach Lab (2 hours) 1/18/23 or 1/19/23 (see schedule) Tracheostomy care and suctioning (guided practice, 1:1 observation of competence)</p> <p>EBP Lab (1 hour) 1/18/23 or 1/19/23 (see schedule) Guest Speaker: Libby Kyle, M.A. in English FRMCSN Learning Resources Coordinator</p> <p><u>Respiratory Quiz: Content B-F 1/20/23 (0800-0830)</u></p> <p>Lewis: Ch. 29</p> <p>In-Class Case Study: Laryngeal Cancer</p> <p>Lewis: Ch. 30</p> |
| Week 2 | Outline the incidence, preventive | L. Lower Respiratory Tract Infections – Pneumonia and | Lewis: Ch. 30 |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|--------|---|--|--|
| (cont) | <p>measures, and treatment of bacterial infection. (1,2,3,4,5,6)*</p> <p>Describe the manifestations, diagnosis, treatment and prevention for COVID-19. (1,2,3,4,5,6)*</p> <p>Attribute the etiology, pathophysiology, clinical manifestations, and management of patients with lung cancer. (1,2,3,4,5,6)*</p> | <p>Tuberculosis</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations & Complications 4. Diagnostic studies 5. Interprofessional care 6. Nursing management 7. <i>Core Measure & 34 Safe Practices for Healthcare: Immunization</i> <p>M. COVID-19</p> <ol style="list-style-type: none"> 1. Pathophysiology 2. Clinical manifestations & Complications 3. Diagnostics 4. Interprofessional and Nursing Management 5. Vaccines <p>N. Lung Cancer</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations 4. Diagnostic studies 5. Interprofessional care 6. Nursing management | <p>ATI Text: RN Adult Medical Surgical Nursing 11.0</p> <ul style="list-style-type: none"> • Unit 3, Ch. 20 Acute Respiratory Disorders (pg. 128-131), Ch. 23 Tuberculosis (pg. 143-148) <p>Handouts:</p> <ul style="list-style-type: none"> • Pneumococcal Vaccination Information Sheet (CDC) • Patient Education for Pneumonia <p>Lewis: Ch. 15 (pg. 245-249)</p> <p>Lewis: Ch. 30</p> <p><u>Dosage Calculation Quiz #3 1/20/23 (if needed)</u></p> |
| Week 3 | <p>Integrate the etiology, pathophysiology, clinical manifestations, and management of acute and chronic obstructive pulmonary disease. (1,2,3,4,5,6)*</p> | <p>O. Obstructive Pulmonary Disease - Asthma</p> <ol style="list-style-type: none"> 1. Etiology (Risk Factors) 2. Pathophysiology 3. Clinical manifestations & Complications 4. Diagnostic studies 5. Interprofessional care 6. Nursing management & Drug therapy <p>P. Chronic Obstructive Pulmonary Disease</p> <ol style="list-style-type: none"> 1. Etiology (Risk Factors) 2. Pathophysiology 3. Clinical manifestations & Complications 4. Diagnostic studies 5. Interprofessional care | <p>Lewis: Ch. 31</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0</p> <ul style="list-style-type: none"> • Unit 3, Ch. 21 Asthma pg. 133-136 <p>Handout: Asthma Action Plan</p> <p>Lewis: Ch. 31</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0</p> <ul style="list-style-type: none"> • Unit 3, Ch. 22 Chronic Obstructive Pulmonary Disease pg. 137-141 |
| Week 3 | | | |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|---------------|--|--|---|
| (cont) | | 6. Nursing management 7. Gerontological considerations 8. <i>Social Determinants of Health</i> | In-Class Activity: COPD Case Study In-Class Activity: Respiratory Pharmacology *Reminder for students to submit electronic TB globalization presentation to Dawn by 1400 1/20/23 <u>Respiratory Quiz: Content G-K 1/23/23 (0800-0830)</u> |
| | 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)* | Q. Capnography R. Chest Trauma and Thoracic Injuries <ol style="list-style-type: none"> 1. Pneumothorax and Hemothorax 2. Chest tubes and Pleural drainage | Lewis: Ch. 30 Ch. 28 (pg. 546-550) ATI Text: RN Adult Medical Surgical Nursing 11.0 <ul style="list-style-type: none"> • Unit 3, Ch. 25 Pneumothorax and Hemothorax (pg. 155-160), Ch. 18 Chest Tube Insertion and Monitoring (pg. 111-114) |
| | Integrate the etiology, pathophysiology, clinical manifestations, and management of patients with chest surgery. (1,2,3,4,5,6)* | S. Chest Surgery <ol style="list-style-type: none"> 1. Preoperative care 2. Surgical procedures 3. Postoperative care | In-Class: Chest Tube Equipment 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 <ol style="list-style-type: none"> 1. Pleural Effusion 2. Atelectasis | Lewis: Ch. 30 |
| Week 3 (cont) | 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. | U. Vascular Lung Disorders – Pulmonary Embolism <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Clinical manifestations & Complications 4. Diagnostic studies 5. Interprofessional care 6. Nursing management | Lewis: Ch. 30 ATI Text: RN Adult Medical Surgical Nursing 11.0 <ul style="list-style-type: none"> • Unit 3, Ch. 24 Pulmonary Embolism (pg. 149-154) In-Class Group Activity: Nursing Care Plan (PE) <u>Respiratory Quiz: Pharmacology 1/24/23 (0800-0830)</u> |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|------------------|---|---|--|
| Week 4 (cont) | <p>nursing responsibilities related to diagnostic studies of the endocrine system. (2,3,4,6,7)</p> <p>Compare and contrast between type 1 and type 2 diabetes mellitus. (1,2)*</p> <p>Examine the collaborative care of the culturally diverse population with diabetes mellitus. (2,3,4,6,7)*</p> <p>Demonstrate proper nutrition and exercise strategies in the management of diabetes mellitus. (2,3,4,6,7)*</p> <p>Demonstrate the nursing management of a patient with diabetes mellitus in the ambulatory and home care settings. (2,3,4,6,7)*</p> <p>Recognize the pathophysiology and clinical manifestations of acute and chronic complications of diabetes mellitus. (2,3,4,6,7)*</p> <p>Verbalize the collaborative care and nursing management of the patient with acute and chronic complications of diabetes mellitus. (2,3,4,6,7)*</p> <p>Demonstrate the use of accomplished and/or exemplary clinical judgment in the management of care for a patient</p> | <p>4. Diagnostic studies of the endocrine system</p> <ol style="list-style-type: none"> a. Laboratory studies b. Radiologic studies <p>C. Management of patients with diabetes mellitus (DM)</p> <ol style="list-style-type: none"> 1. Etiology and pathophysiology <ol style="list-style-type: none"> a. Type 1 b. Type 2 c. Clinical manifestations 2. Diagnostic studies 3. Interprofessional care 4. Drug therapy <ol style="list-style-type: none"> c. Insulin d. Oral agents and Noninsulin Injectable Agents 5. Nutritional therapy 6. Exercise 7. Blood Glucose Monitoring 8. Nursing management <ol style="list-style-type: none"> a. Nursing assessment b. Clinical Problems c. Planning d. Nursing implementation e. Evaluation 9. Acute complications <ol style="list-style-type: none"> a. Diabetic ketoacidosis (DKA) b. Hyperosmolar hyperglycemic syndrome (HHS) c. Hypoglycemia 10. Chronic complications <ol style="list-style-type: none"> a. Angiopathy <ol style="list-style-type: none"> 1. Macrovascular 2. Microvascular b. Retinopathy c. Nephropathy 11. Complications of the foot and lower extremity 12. Skin Complications 13. Infection 14. Psychologic Considerations 15. Gerontologic considerations | <p>Lewis: Ch 53</p> <p>ATI Text: RN Adult Medical Surgical Nursing, 11.0</p> <ul style="list-style-type: none"> • Unit 12: Endocrine Disorders: Diabetes Management and Complications of Diabetes <p><u>Endocrine Quiz: Ch. 52, 53 1/31/23 (0800-0830)</u></p> <p>Guest Lecturer: Nathan Raftery, RN, DSME Diabetes Education</p> <p>Activity: Create healthy meals</p> <p>Handouts:</p> <ul style="list-style-type: none"> • Choose My Plate Packet • Sugar Shockers • Insulin Sliding Scale Coverage Example (given during Insulin Lab) • Hypoglycemia Protocol for Adults (given during Insulin lab) <p>ATI Skills Module 3.0 Diabetes Management</p> <p>*Reminder for students to submit electronic DM globalization presentation to Monica by 1400 2/3/23</p> <p>In Class Activity: Pharmacology Kahoot</p> |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|------------------|--|--|---|
| | with diabetes mellitus. (1,2,3,4,5,6,7)* | | |
| Week 5 | <p>Differentiate between primary and secondary hypertension (1, 5)*</p> <p>Formulate goals of management for hypertension (3, 5)*</p> <p>Verbalize the definition of cancer. (1)*</p> <p>Describe the processes involved in the biology of cancer. (1)*</p> <p>Compare and contrast the differences between benign and malignant neoplasms. (1)*</p> <p>Discuss the role of the nurse in the prevention and detection of cancer. (1,2,3,4,5,6)*</p> <p>Analyze laboratory and diagnostic tests used to diagnose cancer. (1)*</p> | <p>11. Introduction to hypertension (Self study)</p> <p>a. Normal Regulation of Blood Pressure</p> <ol style="list-style-type: none"> 1. Sympathetic Nervous System 2. Vascular Endothelium 3. Renal System 4. Endocrine System <p>b. Hypertension</p> <ol style="list-style-type: none"> 1. Classification of Hypertension 2. Etiology 3. Pathophysiology of Primary Hypertension 4. Genetic Link 5. Clinical Manifestations 6. Complications 7. Diagnostic Studies 8. Interprofessional Care 9. Nursing Management <p>D. Cancer Characteristics</p> <ol style="list-style-type: none"> 1. Cancer incidence and trends 2. Biology of cancer 3. Pathophysiology <ol style="list-style-type: none"> a. Defect in cellular proliferation b. Defect in cellular differentiation <ol style="list-style-type: none"> 1). Genetic Link c. Development of cancer <ol style="list-style-type: none"> 1) Genetic Link d. Role of Immune System 4. Benign versus Malignant Neoplasms 5. Classification of Cancer <ol style="list-style-type: none"> a. Anatomic site classification b. Histologic classification c. Extent of Disease Classification 6. Prevention and Detection of Cancer <ol style="list-style-type: none"> a. Diagnosis of cancer 7. Interprofessional care of cancer <ol style="list-style-type: none"> a. Treatment Goals <ol style="list-style-type: none"> 1) Cure | <p>Lewis Ch. 36: p. 797-814</p> <p>Refer to Edvance360 Lesson: Week 5- Ch. 36 HTN Online PowerPoint & Activity</p> <p>ATI Text: RN Adult Medical Surgical Nursing, 11.0</p> <ul style="list-style-type: none"> • Unit 4: Ch. 36 Hypertension (pg. 233-238) <p><u>Endocrine Quiz: Ch. 53, 36 2/6/23 (0800-0830)</u></p> <p>Clinical experiences: Care of the client with cancer.</p> <p>Lewis Ch. 16</p> <p>ATI Text: RN Adult Medical Surgical Nursing, 11.0</p> <ul style="list-style-type: none"> • Unit 13: Ch. 89-93 Cancer-Related Disorders <p>In-Class: NCLEX Practice 2/6/23 1230-1330</p> |
| Week 5 (cont) | | | |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|--------------------------|--|--|--|
| <p>Week 5 (cont)</p> | <p>Describe the effects of each cancer treatment modality on the body. (1,2,3)*</p> <p>Design-a nursing care map for providing individualized care to the client with cancer. (2,3,4,5,6)*</p> <p>Describe the nursing interventions required for complications resulting from cancer. (1,2,3,5,6)*</p> <p>Discuss culturally diverse teaching needs of the client and family experiencing cancer. (5,6)*</p> <p>Examine the pathophysiology, clinical manifestations, collaborative care, and nursing</p> | <p>2) Control 3) Palliation</p> <p>b. Personalized cancer medicine</p> <p>c. Surgical therapy 1) Prevention 2) Cure of Control 3) Supportive and Palliative Care</p> <p>d. Chemotherapy 1) Effect on Cells 2) Classification of Chemotherapy Drugs 3) Chemotherapy Preparation 4) Methods of Administration 5) Regional Chemotherapy Administration 6) Effects of Chemotherapy on Normal Tissues 7) Treatment Plan</p> <p>e. Radiation therapy 1) Simulation and Treatment Planning 2) Treatment</p> <p>8. Nursing Management: Chemotherapy and Radiation 9. Late Effects of Radiation and Chemotherapy 10. Immunotherapy and Targeted Therapy a. Side Effects of Immunotherapy and Targeted Therapy</p> <p>11. Hormone Therapy 12. Hematopoietic Growth Factors 13. Hematopoietic Stem Cell Transplantation 14. Gene Therapy 15. Complications of cancer a. Nutrition Problems b. Infection c. Oncologic Emergencies d. Cancer Pain</p> <p>16. Coping with Cancer and Treatment a. Gerontologic considerations</p> <p>17. Cancer Survivorship a. Social Determinants of Health: Cancer</p> <p>E. Nursing management: Endocrine problems 1. Disorders of the posterior pituitary gland a. Syndrome of inappropriate antidiuretic hormone</p> | <p>Lewis: Ch 54</p> <p>ATI Text: RN Adult Medical Surgical Nursing, 11.0</p> |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|--------|--|---|--|
| | <p>management of the patient with an imbalance of hormones produced by the anterior pituitary gland. (2,3,4,6,7)*</p> <p>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)*</p> <p>Interpret the pathophysiology, clinical manifestations, collaborative care, and nursing management of the patient with thyroid dysfunction. (2,3,4,6,7)*</p> <p>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)*</p> <p>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)*</p> | <p>(SIADH)</p> <p>b. Diabetes insipidus</p> <p>2. Disorders of the thyroid gland</p> <p>a. Hyperthyroidism</p> <p>b. Hypothyroidism</p> <p>3. Disorders of the adrenal cortex</p> <p>a. Cushing syndrome</p> <p>b. Addison’s disease</p> <p>4. Disorders of the adrenal medulla</p> <p>a. Pheochromocytoma</p> <p>F. <i>Social Determinants of Health</i></p> | <ul style="list-style-type: none"> Unit 12: Ch. 76-81 Endocrine Disorders <p>In-Class Activity: Endocrine Concept Maps</p> <p><u>Endocrine Quiz: Pharmacology 2/7/23 (0800-0830)</u></p> <p>In-Class Group Activity: Prioritization of Multiple Patients with Endocrine Conditions, Cancer, or HTN</p> <p><u>In-Class: DM Globalization Presentations 2/7/23</u></p> <p>ATI RN Pharmacology for Nursing, 8.0</p> <ul style="list-style-type: none"> Unit 10, Ch. 40 Medications Affecting the Endocrine System (pg. 319-321) and (pg. 324-325) |
| Week 6 | | | <p>vSim Juan Carlos- Middle Aged, Hispanic, Male (Pharmacology scenario) due by 8:00a, 2/13/23</p> <p><u>UNIT TEST II: Endocrine Nursing (1 hour)</u> <u>2/13/23 0800-0900</u></p> |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|---------------|---|--|---|
| | <p>Upon completion of this unit, the student will be able to:</p> <p>Outline the pharmacological agents used to treat musculoskeletal & infectious disease related conditions. (1,2,3,5,6)*</p> | <p>UNIT III - MUSCULOSKELETAL NURSING (13 hours)</p> <p>A. Musculoskeletal Pharmacology</p> <ol style="list-style-type: none"> 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 | <p>Clinical assignment: Care for patients with various musculoskeletal and sensory disorders.</p> <p>Clinical: Infection Control, Inpatient Acute Rehabilitation Unit</p> <p>Handout: Musculoskeletal Pharmacology Topics (Self-Study)</p> <p>View On-line: ATI Pharmacology Made Easy 4.0: The Musculoskeletal System</p> <ul style="list-style-type: none"> • Drug therapy for osteoporosis • Drug therapy for rheumatoid arthritis • Case study • Activities <p>View On-line: ATI Pharmacology Made Easy 4.0: Infection</p> <ul style="list-style-type: none"> • Antibacterials • Antiparasites • Antifungals • Antivirals • Case Study • Activities <p>In-class activity: Musculoskeletal Pharmacology activity</p> |
| Week 6 (cont) | <p>Describe the structures and functions of the different tissues that compose the musculoskeletal system. (1)*</p> <p>Compare and contrast age-related changes in the musculoskeletal system. (1)*</p> | <p>B. Anatomy and Physiology</p> <ol style="list-style-type: none"> 1. Structures and functions of the musculoskeletal system 2. Gerontologic considerations | <p>Lewis: Ch. 66</p> |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|------------------|--|---|---|
| | <p>Analyze the significant subjective and objective data related to the musculoskeletal system that should be obtained during a patient assessment. (2)*</p> <p>Describe the appropriate techniques used in the physical assessment of the musculoskeletal system. (2)*</p> <p>Demonstrate the neurovascular assessment of an injured extremity. (2)*</p> <p>Identify specific dietary modifications along with cultural considerations prescribed for patients with muscular skeletal disorders. (1,6)*</p> <p>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)*</p> | <p>C. Musculoskeletal System Assessment</p> <ol style="list-style-type: none"> 1. Subjective data <ol style="list-style-type: none"> a. Important health information b. Functional health patterns 2. Objective data – Physical examination <ol style="list-style-type: none"> a. Inspection b. Palpation c. Motion d. Muscle-strength testing e. Measurement 3. Diagnostic studies <ol style="list-style-type: none"> a. Serology studies b. Radiologic c. Invasive procedures d. Miscellaneous studies | <p>ATI Text: RN Adult Medical Surgical Nursing 11.0</p> <ul style="list-style-type: none"> • Unit 10 Musculoskeletal Disorders (pg. 445-486) |
| Week 6 (cont) | <p>Analyze common etiologic factors, clinical manifestations, and collaborative management of common disorders of the musculoskeletal system. (1,2,7)*</p> <p>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)*</p> | <p>D. Musculoskeletal Trauma and Orthopedic Surgery</p> <ol style="list-style-type: none"> 1. Soft tissue injuries <ol style="list-style-type: none"> 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 <ol style="list-style-type: none"> a. Classification b. Manifestations | <p><u>M/S Quiz Ch. 66 2/14/23 (0800-0830)</u></p> <p>Lewis: Ch. 67</p> <p>In-Class Video: Tinel’s and Phalen’s sign, Drop Arm test, McMurry’s test, Lachman’s test, Anterior Drawer test</p> |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|--------------------------|---|---|--|
| <p>Week 6 (cont)</p> | <p>Differentiate among closed reduction, cast immobilization, open reduction, and traction regarding purpose, complications, and collaborative management. (1)*</p> <p>Use the nursing process to plan and provide individualized care to patients with musculoskeletal disorders. (2,3,4,7)*</p> | <p>c. Fracture healing</p> <p>d. Interprofessional care</p> <ol style="list-style-type: none"> 1. Fracture reduction 2. Traction 3. Fracture immobilization 4. Drug therapy <ol style="list-style-type: none"> a. <i>Core Measure-Patient Satisfaction: Pain Management</i> 5. Nutrition therapy 6. Nursing management <p>e. Complications of fractures</p> <ol style="list-style-type: none"> 1. infection <ol style="list-style-type: none"> a) <i>Core Measures: Surgical Care (SCIP); Prophylactic Antibiotic</i> 2. compartment syndrome 3. venous thromboembolism <ol style="list-style-type: none"> a) <i>Core measure-Surgical Care (SCIP): VTE Prophylaxis Administered</i> 4. fat embolism syndrome <p>f. Types of Fractures</p> <ol style="list-style-type: none"> 1. Hip fracture <p>3. Amputation</p> <ol style="list-style-type: none"> a. Clinical indications b. Diagnostic studies c. Interprofessional care d. Nursing management <p>4. Types of Joint Surgeries</p> | <p>In-Class Activity: Application of knee immobilizer and arm/shoulder immobilizer</p> <p>In-Class Activity: Fracture Case Study</p> <p>Handout: VTE/DVT Risk Assessment</p> |
| | <p>Differentiate between the causes and characteristics of acute and chronic osteomyelitis. (2,3,4,6)*</p> | <p>E. Musculoskeletal Problems</p> <ol style="list-style-type: none"> 1. Osteomyelitis <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestation and complications c. Diagnostic studies d. Interprofessional care e. Nursing management | <p>Lewis: Ch. 68</p> |
| | <p>Differentiate between the causes and characteristics of acute and chronic low back pain. (2,3,4,6)*</p> | <p>F. Back Pain</p> <ol style="list-style-type: none"> 1. Acute low back pain 2. Chronic low back pain 3. Intervertebral disk disease | |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|---------------|--|--|--|
| | Describe the postoperative nursing management of a client who has undergone spinal surgery. (1,2)* | <p>4. Neck pain</p> <p>G. Metabolic Bone Disorders</p> <ol style="list-style-type: none"> 1. Osteoporosis <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestations c. Diagnostic studies d. Nursing and interprofessional care | <p>In-Class Activity: Risk Assessment for Osteoporosis</p> <p>Lewis: Ch. 69</p> |
| Week 7 | Contrast the etiology, pathophysiology, clinical manifestations, and collaborative management of individuals with osteoarthritis versus rheumatoid arthritis. (1,2,3,4,6,7)* | <p>H. Arthritis and Connective Tissue Disease</p> <ol style="list-style-type: none"> 1. Osteoarthritis <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestations c. Diagnostic studies d. Interprofessional care e. Nursing management 2. Rheumatoid Arthritis <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestations c. Diagnostic studies d. Interprofessional care | <p>Lecture and discussion</p> <p>In-Class Activity: Arthritis and Connective Tissue Disease Activity</p> |
| Week 7 (cont) | Use the nursing process to plan and provide care to a patient having joint replacement surgery. (1,2,3,4,6,7)* | <ol style="list-style-type: none"> e. Nursing management 3. Gout <ol style="list-style-type: none"> a. Etiology & Pathophysiology b. Clinical Manifestations & Complications c. Diagnostic Studies d. Interprofessional & Nursing Management 4. Systemic Lupus Erythematosus <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestations and complications c. Diagnostic studies d. Interprofessional care e. Nursing management | |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|--------------------------|--|---|---|
| <p>Week 7 (cont)</p> | <p>Summarize the significant socioeconomic, racial, and ethnic disparities for individuals impacted by osteoarthritis. (6)*</p> <p>Describe the structure and function of the eye and ear. (1)*</p> <p>Identify age-related changes in the visual and auditory systems. (1)*</p> <p>Analyze significant subjective and objective assessment data related to the visual and auditory systems. (2)*</p> <p>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)*</p> <p>Illustrate interventions used in the preoperative and postoperative care of clients undergoing surgery on the eye. (1,2,5,6)*</p> | <p>5. Fibromyalgia a. Etiology and pathophysiology b. Clinical manifestations c. Diagnostic studies d. Interprofessional & Nursing care</p> <p>6. <i>Social Determinants of Health</i></p> <p>I. Assessment and Management: Visual Problems</p> <ol style="list-style-type: none"> 1. Structures and functions of Visual System <ol style="list-style-type: none"> a. Periocular Structures b. External Ocular Structures c. Middle Ocular Structures d. Internal Structures e. Visual Pathway f. Gerontologic Considerations 2. Assessment of Visual System <ol style="list-style-type: none"> a. Subjective Data b. Objective Data 3. Diagnostic Studies of Visual System 4. Visual Problems <ol style="list-style-type: none"> a. Refractive Errors <ol style="list-style-type: none"> 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 | <p>ATI RN Fundamentals Practice Assessment 2019 Version B, due 2/17/23 by 1500 (Reminder: You must obtain ≥ 80%)</p> <p>Lewis: Ch. 22</p> <p>In-Class Activity: Simulated Visual Impairment Activity</p> <p>In-Class Activity: Rinne and Weber Test; Demonstration and Practice</p> <p><u>M/S Pharm Quiz:</u> <u>Musculoskeletal System, Sensory, and Infection</u> <u>2/21/23 (0800-0830)</u></p> <p>In-Class Activity: Multipatient Prioritization Activity</p> |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|---------------|---|---|---|
| | <p>Analyze the common etiologic factors, clinical manifestations, and collaborative management of common disorders of the visual and auditory systems. (1,2,7)*</p> | <p>11. Age-Related Macular Degeneration 12. Glaucoma</p> <p>J. Assessment and Management: Auditory Problems</p> <ol style="list-style-type: none"> 1. Structures and Functions of Auditory System <ol style="list-style-type: none"> a. External Ear b. Middle Ear c. Inner Ear d. Hearing Sound e. Gerontological Considerations 2. Assessment of Auditory System <ol style="list-style-type: none"> 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 <ol style="list-style-type: none"> a. Meniere disease b. Acoustic Neuroma c. Hearing loss and deafness | <p>Lewis: Ch. 23</p> <p>vSim Marilyn Hughes- Middle Aged, Caucasian, Female (Medical-Surgical scenario) due by 8:00a, 2/24/23</p> <p style="text-align: center;"><u>UNIT TEST III: Musculoskeletal Nursing</u> <u>(1 hour)</u> <u>2/24/23 0800-0900</u></p> |
| <p>Week 8</p> | | | <p><u>ATI RN Fundamentals 2019 Proctored Assessment on campus 2/27/23 (see schedule)</u></p> <p>In-Class: ATI Focused Review 2.0 & Remediation Orientation</p> <p>High Fidelity Simulation Lab:</p> <ul style="list-style-type: none"> • Musculoskeletal/Endocrine (4.5 hours) (see schedule and scenario materials in Edvance360 Resources) <p>Simulation Prebrief & Report Sheet due 3/1/23 or 3/2/23 at the start of the simulation session.</p> |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|---------------|---|---|---|
| | | | Simulation #1 Reflection Journal & Survey due 3/4/23 by 2200. |
| Week 9 | <p>Upon completion of this unit, the student will be able to:</p> <p>Interpret the pharmacological agents used to treat neurological related conditions. (1,2,3,5,6)*</p> | <p>UNIT IV - NEUROLOGICAL NURSING (18 HOURS)</p> <p>A. Neurological Pharmacology</p> <ol style="list-style-type: none"> 1. Hydantoins 2. Traditional Antiepileptics 3. Valproates 4. Dopaminergics 5. Direct-Acting Dopamine Receptor Agonists 6. Cholinesterase Inhibitors 7. Antiparkinson agent/MAO-B Inhibitor 8. NMDA Receptor Antagonist 9. Serotonin Agonists 10. Salicylics 11. ADP Inhibitor 12. Thrombolytics | <p>Clinical assignment: Care for patients with various neurological disorders</p> <p>Clinical: Inpatient Acute Rehabilitation Unit</p> <p>Handout: Neurological Pharmacology Topics (Self-Study)</p> <p>View On-line: ATI Pharmacology Made Easy 4.0: The Neurological System (Part 1):</p> <ul style="list-style-type: none"> • Muscle Spasm • Seizure Disorder • Parkinson’s Disease • Alzheimer’s • Multiple Sclerosis • Migraines • Case Study • Activities |
| Week 9 (cont) | <p>Differentiate between the three major divisions of the nervous system with consideration of the effects of aging. (1)*</p> | <p>B. Structure and functions of Nervous System</p> <ol style="list-style-type: none"> 1. Neuron 2. Central nervous system 3. Peripheral nervous system 4. Autonomic nervous system | <p>View On-line: ATI Pharmacology Made Easy 4.0: The Hematologic System:</p> <ul style="list-style-type: none"> • Thromboembolic Drugs • Case Study • Activities <p>ATI RN Pharmacology for Nursing, 8.0</p> <ul style="list-style-type: none"> • Unit 2, Ch. 13 Chronic Neurologic Disorders (pg. 97-107) • Unit 5, Ch. 25 Medications Affecting Coagulation (pg. 193-194; 198-202) <p>Lewis: Ch. 60</p> <p>In-class Activity: Neurological Assessment</p> |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|------------------|---|--|---|
| Week 9 (cont) | <p>Analyze subjective and objective assessment data collected with the neurological assessment. Consider cultural, racial, and ethnic influence and disparities. (2,4,5,6)*</p> <p>Describe diagnostic procedures used to evaluate neurological disease with consideration for patient education. (1,2,4,5)*</p> <p>Discuss etiology, pathophysiology, clinical manifestations, and nursing management of increased ICP. (1,2,3,4,5,6)*</p> <p>Examine the etiology, pathophysiology, clinical manifestations, and nursing management of head injury (1,2,3,4,5,6)*</p> <p>Discuss etiology, pathophysiology, clinical manifestations, and nursing management of brain tumors. (1,2,3,4,5,6)*</p> <p>Describe the nursing management of clients undergoing cranial surgery. (1,2,3,4,5,6)*</p> <p>Discuss etiology,</p> | <p style="text-align: center;">5. Geriatric considerations</p> <p>C. Subjective Data</p> <ol style="list-style-type: none"> 1. Important health information 2. Functional health patterns <p>D. Objective Data</p> <ol style="list-style-type: none"> 1. Cranial nerves 2. Motor and sensory systems <p>E. Diagnostic Tests</p> <ol style="list-style-type: none"> 1. Laboratory 2. Radiological <p>F. Acute Intracranial Problems</p> <ol style="list-style-type: none"> 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 8. Cranial Surgery 9. Nursing Management: Cranial Surgery 10. Bacterial Meningitis 11. Nursing Management: Bacterial Meningitis 12. Viral Meningitis 13. Brain Abscess 14. Encephalitis | <p>Lewis: Ch. 61</p> <p>In-class Activity: Head Injury Case Study</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0</p> <ul style="list-style-type: none"> • Unit 2: Ch.3-11; Ch. 14,15,16 Neurological Disorders <p><u>Neuro Quiz: Ch. 60 & 61 3/14/23 (0800-0830)</u></p> |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|----------------|--|---|---|
| | <p>pathophysiology, clinical manifestations, and nursing management of meningitis. (1,2,3,4,5,6)*</p> <p>Analyze the etiology, pathophysiology, clinical manifestations, and nursing management of stroke with consideration for diverse populations. (1,2,3,4,5,6)*</p> <p>Discuss pharmacological agents in treatment of stroke. (1,2,3,4,5)*</p> <p>Discuss etiology, pathophysiology, clinical manifestations, and nursing management of cerebral aneurysm. (1,2,3,4,5,6)*</p> <p>Compare and contrast ischemic versus hemorrhagic stroke (1,2,3,4,5,6)*</p> <p>Formulate a care map for an ischemic stroke patient (1,6)*</p> | <p>G. Stroke</p> <ol style="list-style-type: none"> 1. Etiology 2. Pathophysiology 3. Risk Factors 4. Types of Stroke 5. Clinical manifestations 6. Diagnostic studies 7. Interprofessional care 8. Nursing management 9. <i>Core measures</i> for Stroke <ol style="list-style-type: none"> a. Dysphagia screening b. Smoking cessation c. Diabetes control d. Cholesterol control e. DVT prevention (value-based purchasing) f. Anticoagulation measures 9. <i>Social Determinants of Health</i> | <p>Lewis: Ch. 62</p> <p>In-Class Activity: Evolving case study; delegation and prioritization</p> <p>Nurse Career Panel 3/14/23 1200-1300</p> |
| <p>Week 10</p> | <p>Discuss etiology, pathophysiology, clinical manifestations, and nursing management of migraine headaches. (1,2,3,4,5,6)*</p> <p>Describe various medications for treatment of migraines. (1,2,3,4,5)*</p> | <p>H. Chronic Neurologic Problems</p> <ol style="list-style-type: none"> 1. Headaches <ol style="list-style-type: none"> 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 Neurologic Disorders 3. Nursing Management: Seizure Disorder | <p>Read Lewis: Ch. 63</p> <p>In-Class Activity: Pharmacology Comprehension</p> <p>*Reminder for students to submit electronic Stroke</p> |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|-------------------|---|--|--|
| Week 10 (cont) | <p>Discuss etiology, pathophysiology, clinical manifestations, and nursing management of epilepsy. (1,2,3,4,5,6)*</p> <p>Discuss pharmacological agents to treat epilepsy. (1,2,3,4,5)*</p> <p>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)*</p> <p>Describe the pharmacological management of Parkinson’s disease and MS. (1,2,3,4,5)*</p> <p>Discuss etiology, pathophysiology, clinical manifestations, and nursing management of Alzheimer’s disease, dementia, and delirium. (1,2,3,4,5,6)*</p> <p>Describe the pharmacological management of Alzheimer’s disease, dementia, and delirium. (1,2,3,4,5)*</p> | <p>4. Restless Leg Syndrome</p> <p>5. Degenerative Neurologic Disorders</p> <p style="padding-left: 20px;">i. Multiple Sclerosis</p> <p style="padding-left: 20px;">ii. Nursing Management: Multiple Sclerosis</p> <p style="padding-left: 20px;">iii. Parkinson Disease</p> <p style="padding-left: 20px;">iv. Nursing Management: Parkinson Disease</p> <p style="padding-left: 20px;">v. Myasthenia Gravis</p> <p style="padding-left: 20px;">vi. Nursing Management: Myathenia Gravis</p> <p style="padding-left: 20px;">vii. Amyotrophic Lateral Sclerosis</p> <p style="padding-left: 20px;">viii. Huntington Disease</p> <p>I. Alzheimer’s Disease, Dementia, and Delirium</p> <p style="padding-left: 20px;">1. Etiology</p> <p style="padding-left: 20px;">2. Pathophysiology</p> <p style="padding-left: 20px;">3. Clinical manifestations</p> <p style="padding-left: 20px;">4. Diagnostic studies</p> <p style="padding-left: 20px;">5. Interprofessional care</p> <p style="padding-left: 20px;">6. Nursing management</p> <p style="padding-left: 20px;">7. Safety measures (CMS)</p> | <p>globalization presentation to Monica by 1400 3/24/23</p> <p><u>Neuro Quiz: Ch. 62 & 63 3/21/23 (0800-0830)</u></p> <p>Lewis: Ch. 64</p> <p>In-Class Activity: “Recognize the cause” – Dementia activity</p> <p>In-Class NCLEX Practice 3/21/23 1230-1330</p> |
| Week 11 | <p>Discuss etiology, pathophysiology, clinical manifestations, and nursing management of cranial nerve and</p> | <p>J. Spinal Cord and Peripheral Nerve Problems</p> <p style="padding-left: 20px;">1. Spinal cord injuries</p> <p style="padding-left: 40px;">a. Autonomic Dysreflexia</p> <p style="padding-left: 20px;">2. Spinal cord tumors</p> | <p>Lewis: Ch. 65</p> <p><u>Neurological Quiz: Pharmacology 3/27/23 (0800-0830)</u></p> |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|-------------------|--|---|---|
| | 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)* | 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 | <p><u>In-Class: Stroke Globalization Presentations</u> <u>3/27/23</u></p> <p style="text-align: center;"><u>UNIT TEST IV: Neurological Nursing</u> <u>(1 hour)</u> <u>3/28/23 0800-0900</u></p> |
| 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)* Explain the structures and functions of the mouth, esophagus, stomach, intestines, liver, biliary tract, and pancreas. (1)* | UNIT V - GASTROINTESTINAL, BILIARY, AND HEPATIC NURSING (18 hours) A. Gastrointestinal Pharmacology 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 9. Dopamine Antagonist (Anti-nausea) 10. Serotonin Antagonist (Anti-nausea) 11. Proton-Pump Inhibitor 12. Stimulant Laxatives 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 | Clinical Assignment: Care of a patient with various GI or hepatic disorders Clinical Observation: Digestive Health Handout: GI Pharmacology Topics (Self-Study) In-Class Activity: GI Pharmacology Matching Game View Online: ATI Pharmacology Made Easy 4.0- The Gastrointestinal System ATI Text: RN Pharmacology for Nursing, 8.0 • Unit 6: Ch. 28-30 Medications Affecting the Gastrointestinal System and Nutrition ATI RN Adult Medical Surgical Nursing 11.0 • Unit 7: Ch. 46-55 Nursing Care of Clients with Gastrointestinal Disorders Lewis: Ch. 43 Handout: Ch. 43 PowerPoint (self-study) |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|---------------------------|--|--|---|
| <p>Week 11 (cont)</p> | <p>Summarize the significant assessment data related to the gastrointestinal system. (2, 4)*</p> <p>Examine the purpose and nursing responsibilities related to diagnostic studies of the gastrointestinal system. (2)*</p> <p>Analyze the common etiologic factors, clinical manifestations, and management of malnutrition. (1,2,7)*</p> <p>Identify the physiologic, functional, environmental, dietary, psychologic, and social factors related to nutritional risk in older adults (1, 2, 6, 7)*</p> <p>Examine the indications, complications, and nursing management related to the use of parenteral nutrition and enteral nutrition. (1,2,7)*</p> <p>Integrate the etiology, complications, collaborative care, and nursing management of nausea and vomiting. (2,3,7)*</p> <p>Explain the types, pathophysiology, clinical manifestations, complications, and collaborative care of GERD and hiatal hernia. (2,3,7)*</p> | <p>3. Diagnostic studies of the GI system</p> <ol style="list-style-type: none"> a. Radiologic studies b. Endoscopy c. Liver biopsy <p>C. Nutritional Problems</p> <ol style="list-style-type: none"> 1. Malnutrition 2. Nursing and interprofessional management 3. Gerontologic considerations: Malnutrition. 4. Specialized nutritional support <ol style="list-style-type: none"> a. Enteral nutrition b. Parenteral nutrition (PN) <p>D. Nursing Management: Upper GI Problems</p> <ol style="list-style-type: none"> 1. Nausea and vomiting 2. Oral cancer 3. Esophageal disorders <ol style="list-style-type: none"> a. Gastroesophageal reflux disease (GERD) b. Gerontologic considerations c. Esophageal cancer d. Other esophageal disorders <ol style="list-style-type: none"> 1) Diverticula 2) Strictures | <p>ATI RN Fundamentals Focused Review & Remediation Binder due 3/31/23 by 1500</p> <p>Refer to the Edvance360 Lesson: Week 11- Ch. 43-44 Online Lecture PowerPoints (due 4/3/23)</p> <p>Lewis: Ch. 44</p> <p>In-Class Activity: Nutrition Clinical Judgment Activity</p> <p>Lewis: Ch 46</p> <p>In-Class Video:</p> <ul style="list-style-type: none"> • Dystonia & Tardive Dyskinesia <p>In-Class Activity:</p> <ul style="list-style-type: none"> • GERD/Esophageal Cancer Case Study |
| <p>Week 12</p> | | | |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|---------------------------|---|--|--|
| <p>Week 12 (cont)</p> | <p>Differentiate between gastric and duodenal ulcers. (2,3,4,6,7)*</p> <p>Assess priority patient data related to upper gastrointestinal bleeding. (1, 2, 3, 6)*</p> <p>Explain the common etiologies, collaborative care, and nursing management of diarrhea and constipation. (2,3,4,6,7)*</p> <p>Differentiate between diverticulitis and diverticulosis. (2,3,4,6,7)*</p> <p>Compare and contrast ulcerative colitis and Crohn’s disease, including pathophysiology, clinical manifestations, complications, collaborative care, and nursing management. (2,3,4,6,7)*</p> <p>Summarize the types, clinical manifestation, collaborative care, and nursing management related to intestinal obstructions. (1,2,5,6,7)*</p> <p>Describe the clinical manifestations and collaborative management of colorectal cancer. (2,3,4,6,7)*</p> | <p>4. Disorders of the stomach and upper small intestine</p> <ol style="list-style-type: none"> a. Gastritis b. Peptic ulcer disease (PUD) c. Upper GI bleeding <p>E. Nursing Management: Lower GI Problems</p> <ol style="list-style-type: none"> 1. Diarrhea 2. Constipation <ol style="list-style-type: none"> a. Safe use of opioids & addiction 3. Irritable bowel syndrome (IBS) 4. Inflammatory disorders <ol style="list-style-type: none"> a. Appendicitis b. Peritonitis <ol style="list-style-type: none"> 1) <i>Core Measure: Sepsis</i> c. Diverticulosis and diverticulitis 5. Inflammatory bowel disease <ol style="list-style-type: none"> a. Ulcerative colitis b. Crohn’s disease 6. Intestinal obstruction 7. Colorectal cancer <ol style="list-style-type: none"> a. Polyps b. <i>34 Safe Practices for Better Healthcare: Surgical Site Infection Prevention</i> 8. Ostomy surgery | <p>In-Class Activity:</p> <ul style="list-style-type: none"> • Peptic Ulcer Disease NGN Case Study <p><u>GI Quiz: Ch. 43 and 44 Online Lecture Content 4/3/23 (0800-0830)</u></p> <p>Lewis: Ch 47</p> <p>In-Class Activity: Lower GI NCLEX Activity</p> <p>In-Class NGN Case Study: Ulcerative Colitis/Crohn’s Disease</p> <p>Guest Lecturer: Lifebanc Services 4/3/23 1130-1230 Thomas Wood, Lifebanc Coordinator</p> |
| <p>Week 13</p> | <p>Describe the pathophysiology of commonly occurring disorders of the liver. (1)*</p> | <p>F. Liver, Pancreas, and Biliary Tract Problems</p> <ol style="list-style-type: none"> 1. Disorders of the liver <ol style="list-style-type: none"> a. Hepatitis | <p><u>GI Quiz: Ch. 46 4/10/23 (0800-0830)</u></p> <p>Lewis: Ch 48: Liver, Pancreas and Biliary Tract Problems</p> |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|-----------------------|--|---|---|
| | <p>Analyze laboratory and diagnostic tests used to diagnose disorders of the liver. (1,2,5,7)*</p> <p>Explain the rationale for selected nursing interventions related to care of clients with hepatic disorders. (1,2,3,4,5,6,7)*</p> <p>Compare and contrast acute and chronic pancreatitis. (2,3,4,6,7)*</p> <p>Analyze the pathophysiology, clinical manifestations, complications, and collaborative care, including surgical therapy, of gallbladder disorders. (2,3,4,6,7)*</p> <p>Demonstrate the use of accomplished and exemplary clinical judgment in the prioritization and management of care with a case scenario involving multiple patients with gastrointestinal conditions. (1,2,3,4,5,6,7)*</p> | <ul style="list-style-type: none"> b. Cirrhosis c. Varices d. Liver cancer e. Liver transplantation <p>2. Disorders of the Pancreas</p> <ul style="list-style-type: none"> a. Acute pancreatitis b. Chronic pancreatitis c. Pancreatic cancer <ul style="list-style-type: none"> o National Patient Safety Goal (NPSG): Prevent mistakes in surgery <p>3. Disorders of the biliary tract</p> <ul style="list-style-type: none"> a. Cholelithiasis and cholecystitis | <p>In-Class Video: Portal Hypertension/What alcohol can do to your liver</p> <p>In-Class Activity: Complications of Cirrhosis</p> <p><u>GI Quiz: Pharmacology 4/11/23 (0800-0830)</u></p> <p>In-Class Group Activity: Prioritization & Delegation of Multiple Patients with Gastrointestinal Conditions</p> <p>EBP Poster Presentation Review Day 4/11/23 1130-1300</p> <p>High Fidelity Simulation Lab: <ul style="list-style-type: none"> • Respiratory/Gastrointestinal (4.5 hours) (see schedule and scenario materials in Edvance360 Resources) </p> <p>Simulation Prebrief & Report Sheet due 4/12/23 or 4/13/23 at the start of the simulation session</p> <p>Simulation #2 Reflection Journal & Survey due 4/15/23 2200</p> |
| <p>Week 14</p> | | | <p>vSim Stan Checketts- Middle Aged, Caucasian, Male (Medical-Surgical scenario) due by 8:00a, 4/17/23</p> <p style="text-align: center;"><u>UNIT TEST V: GI Nursing</u> <u>(1 hour)</u> <u>4/17/23 0800-0900</u></p> |
| <p>Week 14 (cont)</p> | <p>Upon completion of this unit, the student will be able to:</p> | <p>UNIT VI - URINARY AND RENAL NURSING (14 hours)</p> | <p>Clinical assignment: Care for patients with various urinary, renal, and male reproductive disorders</p> |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|-------------------|--|---|---|
| Week 14 (cont) | <p>Outline the pharmacological agents used to treat genitourinary and male reproductive related conditions. (1,2,3,5,6)*</p> <p>Describe the structures and functions within the urinary system. (1)*</p> <p>Identify age-related changes in the urinary system. (1)*</p> <p>Analyze significant subjective and objective assessment data related to the urinary system. (2)*</p> <p>Describe the pathophysiology of commonly occurring disorders of the urinary tract. (1)*</p> <p>Correlate the diagnostic tests for the person with a disorder of the</p> | <p>A. Urinary and Renal Pharmacology</p> <ol style="list-style-type: none"> 2. Loop Diuretic 3. Thiazide Diuretic 4. Potassium-Sparing Diuretic 5. Antianemic 6. Fat Soluble Vitamin 7. Phosphate Binder 8. Hypokalemic Electrolyte Modifier 9. Nonopioid Urinary Tract Analgesic 10. Anticholinergic Urinary Tract /Antispasmodic 11. Alpha-1 Adrenergic Antagonist 12. 5-Alpha Reductase Inhibitor 13. Phosphodiesterase Type 5 Inhibitor 14. Antihyperuricemic/Antigout Agent <p>B. Brief overview of anatomy and physiology</p> <ol style="list-style-type: none"> 1. Structures and functions of the urinary system 2. Gerontologic Considerations: Effects of aging on Urinary System <p>C. Assessment of urinary system</p> <ol style="list-style-type: none"> 1. Subjective data 2. Objective data <p>D. Diagnostic studies of urinary system</p> <ol style="list-style-type: none"> 1. Urine studies <ol style="list-style-type: none"> a. <i>34 Safe Practices for Healthcare: Labeling specimen, contrast media, and kidney injury</i> 2. Urodynamic studies 3. Radiologic studies <p>E. Renal and Urologic Problems</p> <ol style="list-style-type: none"> 1. Urinary tract infection 2. Acute Pyelonephritis 3. Chronic Pyelonephritis 4. Interstitial Cystitis/Pain Bladder Syndrome <ol style="list-style-type: none"> a. Classification | <p>Handout: Urinary/Renal/Male Reproductive Pharmacology Topics (Self-Study)</p> <p>View Online ATI Pharmacology Made Easy 4.0- The Genitourinary System and The Male Reproductive System</p> <p>ATI Text: RN Pharmacology for Nursing, 8.0</p> <ul style="list-style-type: none"> • Unit 7: Ch. 31 Medications Affecting the Reproductive Tract (pg. 250-253) <p>Lewis: Ch. 49</p> <p>In-Class: A & P Review Activity</p> <p>Lewis: Ch. 49</p> <p>Lewis: Ch. 49</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0</p> <ul style="list-style-type: none"> • Unit 8: Ch. 56 Renal Diagnostic Procedures <p>In-Class Activity: Renal Diagnostic Procedure/Nursing Care Matching Game</p> <p>Lewis: Ch. 50</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0</p> <ul style="list-style-type: none"> • Unit 8: Ch. 60 Infections of the Renal and Urinary System |

*Course Objectives

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|-------------------|---|--|---|
| Week 14 (cont) | urinary tract with the rationale for each test and the nursing responsibilities associated with the test. (1,2)* | <ul style="list-style-type: none"> b. Etiology and pathophysiology c. Clinical manifestations d. Diagnostic studies e. Interprofessional care f. Nursing management g. <i>Core Measure: Sepsis - Urosepsis</i> | |
| | Analyze the common etiologic factors, clinical manifestations, and collaborative management of common disorders of the urinary tract. (1,2,7)* | <ul style="list-style-type: none"> F. Immunologic Kidney Problems <ul style="list-style-type: none"> 1. Glomerulonephritis <ul style="list-style-type: none"> a. Types b. Etiology and pathophysiology c. Clinical manifestations d. Diagnostic studies e. Nursing & Interprofessional management 2. Nephrotic syndrome <ul style="list-style-type: none"> a. Etiology b. Clinical manifestations c. Interprofessional & Nursing care | <p>Lewis: Ch 50</p> <p>In-Class Activity: Glomerulonephritis Care Map</p> |
| | 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)* | <ul style="list-style-type: none"> G. Obstructive uropathies <ul style="list-style-type: none"> 1. Causes of urinary tract obstruction 2. Pathophysiology of obstruction 3. Urinary tract calculi <ul style="list-style-type: none"> a. Etiology and pathophysiology b. Types of calculi c. Clinical manifestations d. Diagnostic studies e. Interprofessional care f. Nursing management 4. Strictures <ul style="list-style-type: none"> a. Ureteral b. Urethral | <p>Lewis: Ch. 50</p> <p>ATI Text: RN Adult Medical Surgical Nursing 11.0</p> <ul style="list-style-type: none"> • Unit 8: Ch. 61 Renal Calculi |
| | Identify specific dietary modifications along with cultural considerations prescribed for patients with renal disorders. (1,6)* | <ul style="list-style-type: none"> H. Renal vascular problems <ul style="list-style-type: none"> 1. Nephrosclerosis 2. Renal artery stenosis 3. Renal vein thrombosis | <p>Content G-H: Refer to Edvance360 Lesson: Week 14- Ch. 50 Obstructive & Vascular Renal Disorders Online Lecture PowerPoint (due 4/17/23)</p> <p>Pre-Class Activity: Patient Teaching Pamphlet for Renal Calculi</p> <p>Lewis: Ch. 50</p> <p>Renal/Urinary Quiz: Ch. 49, 50 (through page 1213-</p> |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|---------------------------|---|--|--|
| <p>Week 14 (cont)</p> | | <p>I. Hereditary Kidney Diseases</p> <ol style="list-style-type: none"> 1. Polycystic Kidney Disease <ol style="list-style-type: none"> a. Genetic link b. Interprofessional & nursing care 2. Medullary Cystic Kidney Disease 3. Alport Syndrome <p>J. Urinary Tract Tumors</p> <ol style="list-style-type: none"> 1. Kidney Cancer <ol style="list-style-type: none"> a. Clinical manifestations b. Diagnostic studies c. Interprofessional & nursing care 2. Bladder cancer <ol style="list-style-type: none"> a. Clinical manifestations b. Diagnostic studies c. Nursing & interprofessional management <p>K. Bladder Dysfunction-Urinary incontinence and retention</p> <ol style="list-style-type: none"> 1. Etiology & Pathophysiology 2. Diagnostic studies 3. Interprofessional care 4. Nursing management 5. Catheterization <ol style="list-style-type: none"> a. CAUTI b. <i>34 Safe Practices for Healthcare: Preventing CAUTI</i> 6. Urinary Tract Surgery <ol style="list-style-type: none"> a. Renal and Ureteral b. Urinary Diversion <ol style="list-style-type: none"> 1. Types 2. Nursing management | <p>Renal Vein Thrombosis) 4/18/23 (0800-0830)</p> <p>Lewis: Ch. 50</p> <p>Lewis: Ch. 50</p> <p>In-Class Activity: “Guess the Renal Condition”</p> <p>Lewis: Ch. 50</p> <p>In Class Activity: “Guess the Medication” Game (Pharmacology Activity)</p> <p>EBP Poster Presentation Day Main Campus-Mylander 4/20/23 1000-1400.</p> |
| <p>Week 15</p> | <p>Use the nursing process to plan and provide individualized care to patients with renal disorders. (2,3,4,7)*</p> | <p>L. Acute Kidney Injury & Chronic Kidney Disease</p> <ol style="list-style-type: none"> 1. Acute kidney injury <ol style="list-style-type: none"> a. Etiology and pathophysiology b. Clinical manifestations c. Diagnostic studies d. Interprofessional care | <p>Lewis: Ch. 51</p> <p>Content L: Refer to Edvance360 Lesson: Week 15- Ch. 51 Renal Failure Online PowerPoint (optional)</p> |

COURSE OUTLINE

| WEEK | UNIT OBJECTIVES | CONTENT | RELATED LEARNING EXPERIENCES |
|---------|--|--|---|
| | <p>promote the monthly practice of testicular self-examination. (1,5)*</p> <p>Discuss teaching needs of the patient with impotence. (2,4)*</p> | | <p>In-Class Activity:</p> <ul style="list-style-type: none"> • Location and identification of lumps on testicle model; Prostate model • In-Class Activity: Renal Jeopardy <p>vSim Harry Hadley- Geriatric, Caucasian, Male (Pharmacology scenario) due by 8:00a, 4/27/23</p> <p style="text-align: center;"><u>UNIT TEST VI: Renal/Urinary/ Male Reproductive Nursing (1 hour) 4/27/23 0800-0900</u></p> |
| Week 16 | | <p><u>COMPREHENSIVE FINAL EXAMINATION- (2 HOURS) 5/4/23 0800-1000</u></p> | <p>vSim Yoa Li- Young Adult, Asian, Male (Pharmacology scenario) due 5/1/23 by 1500</p> <p>ATI Practice Assessments Targeted Med-Surg 2019: Respiratory, Endocrine, Neurosensory/Musculoskeletal, Gastrointestinal, and Renal/Urinary (due 5/2/23 by 1500)</p> |

12/27/22