



RNSG-1341-101CL
Common Concepts of Adult Health
Spring 2025
Thursday 09:00-11:00 then 11:30-2:30pm
STEAM 120

Instructor Information:

Genevieve Onyirioha DNP, RN, CMSRN, gonyirioha@com.edu, 409-933-8279

Student hours and location:

Mondays 10:00am - 2:00pm - STEAM 225-5

Tuesday 1:00pm – 4:00pm - STEAM 225-5

Thursday 3:00pm - 4pm - STEAM 225-5

“Jay” Ketcherside, II, MSN, RN, bketcherside@com.edu, 409-933- 8137

Student hours and location:

By Appointment Thurs 8:00am – 4:00pm STEAM 225-13

Required Textbook/Materials:

Bristol, T., Sherrill, K (2019). NurseThink for Students: The Notebook, 3rd (or latest) edition. Waconia: NurseTim, Inc. (Student Success Bundle)

Bristol, T., Sherrill, K (2019). NCLEX Conceptual Review Guide. Waconia: NurseTim, Inc. (Student Success Bundle)

Bristol, T., Sherrill, K (2019). Conceptual Clinical Cases. Waconia: NurseTim, Inc. (Student Success Bundle)

CJSim – Next Gen NCLEX Sim. Waconia: NurseTim,

Elsevier (2023). Sherpath for Pharmacology (Lilley version), 10th edition. St. Louis: Elsevier, Inc.*

Elsevier (2017). HESI Comprehensive Review for the NCLEX-RN Examination, 5th edition. St. Louis: Elsevier, Inc.

Elsevier (2017). HESI RN Patient Review. 1st Edition. St. Louis: Elsevier, Inc.

Harding, M., et al. (2023) Sherpath Quizzing for Medical-surgical nursing: Assessment and management of clinical problems, 12th edition. St. Louis: Elsevier, Inc.*

Harding, M., Kwong, J., Roberts, D., Hagler, D., Reinisch, C. (2023). Medical-Surgical Nursing: Assessment and Management of Clinical Problems, 12th Edition. St. Louis: Elsevier, Inc. (This is included in Sherpath Med/Surg)

Recommended

iClicker (download student version on your iPhone or Android device). <https://join.iclicker.com/JGEZ>

Silvestri, A. (2017). Saunders comprehensive review for the NCLEX-RN examination (7th ed). St. Louis, MO: Elsevier.

*This product is an electronic or online application.

Course Description: Basic integration of the role of the professional nurse as a provider of patient-centered care, patient safety advocate, member of health care team, and member of the profession. Study of the common concepts of caring for adult patients and families with medical-surgical health care needs related to body systems, emphasizing knowledge, judgment, skills, and professional values within a legal/ethical framework. This course lends itself to a blocked approach. (Credit 3: Lecture 2, Lab 3) (16-week course, 80 contact hours)

Course requirements:

1. Unit Exams (4): Assess knowledge and application of incremental course content. Timed unit exams will use 50 multiple choices, multiple answer, and alternative style (NextGen) test questions as indicated to follow NCLEX-RN testing format. If a student receives a grade below 75% on any exam, he/she should schedule a counseling appointment with the instructor to complete remediation. The Unit exam average (75% rule) will need to be 75% or greater in order to pass the class. Each exam is 12.5%.

2. Comprehensive Final Assessment Exam (1): Assesses overall knowledge and application of complete course content. The timed exam will use multiple choice, multiple answer, and alternative style (Next Gen) test questions as indicated to follow NCLEX-RN testing format. If a student receives a grade below 75% on that exam, he/she should schedule a counseling appointment with the department remediation counselor. This test is 10% and part of the 75% rule.

3. Pharmacology Lessons (Sherpath): Assesses knowledge and application of selected pharmacologic content integrated within the program. Students will complete lessons as assigned, each due at midnight on the assigned deadline. The lessons are multi-media, mixing quizzes and videos and other materials over a single drug class. Students will complete the assigned pharmacology topics for this semester before the due dates. No make for any assignment missed. The grade of these lessons will be averaged and are 10% of the final grade.

4. EAQs - Assesses knowledge and application of content integrated within the course. Students will complete quizzes as assigned in the syllabus. No make-up for any assignment missed. The quizzes are multiple choice, multiple answer, and alternative-style questions. The grade of these quizzes will be averaged and are 10% of the final grade.

5. Special/Group Project – Professional Paper/Power Point Presentation: Students will complete a PPP on professional nursing competencies and how they can affect a common health problem. This will account for 10% of the final grade. See appendix C. The presentation will be compiled in professional APA format. Student collaboration is very important/mandatory, if a student did not participate or is absent on the presentation day, the student will lose 100% of the project grade. The PPP will be uploaded in D2L under “Group Presentation” tab. See Rubric. Each group will assign one student to upload the power point presentation.

6. Evolve Chapter Lesson Assessment - Assesses knowledge and application of content integrated within the course. Students will complete the lesson assessments as directed. No make-up for any assignment missed. The assessments are multiple choice, multiple answer, and alternative-style questions. The grade of these assessments will be averaged and are 10% of the final grade.

7. Total Weighted Grade: In addition to the 75% rule (see #1), the overall weighted grade (see Grade Calculation below) must be 75% or better to progress to the next level.

8. Professionalism and Classroom Behavior/Expectation: Students are expected to comport themselves in a professionalism manner at all times.

a. – **Students** are expected to be present for class every week, students may be asked to leave the classroom for disruptive behavior. Students may receive other sanctions for attendance/tardiness per college and department guidelines.

- b. **Timeliness** – the student is in class and ready exactly at class start time. Students may receive other sanctions for attendance/tardiness per college and department guidelines.
- c. **Participation and engagement** – student participates in class and team activities in a meaningful and engaged way.
- d. **Preparedness** – students have prepared themselves for the day’s classroom activities through reading assignments and pre-class assignments.
- e. **Professional Dress & demeanor** – Student is wearing attire as prescribed in the student handbook with a visible student badge, presenting themselves in a professional manner throughout the classroom period.
- f. **Objectives Application** – students will apply the objectives of this class to all classwork and assignments.
- g. **Professional communication** – student communicates in a professional manner consistent with the classroom activity.
- h. **Teamwork** – student participates in teams in a collaborative and professional manner.
- i. **Focus & Attention** – student focuses on classroom and team activities throughout the classroom time. Students browsing internet or any phone activity unrelated to classwork maybe be dismissed from the classroom
- j. **Courteousness & Respect** – Student will be courteous and respectful of each faculty, staff and student member throughout the classroom period.

Determination of Course Grade/Detailed Grading Formula:

Grading Scale

- A = 90 -100.00
- B = 80 -89.99
- C = 75 -79.99*
- D = 60 – 74.99
- F = <60

Grade Calculation

All assignments, including pass/fail, must be submitted to pass the course. The exam average must be at least 75% before non-examination assignment grades are calculated into the final course grade. See Grade Determination & Calculation in the Nursing Student Handbook.

Assignment	%
Unit Exam 1*	12.5%
Unit Exam 2*	12.5%
Unit Exam 3*	12.5%
Unit Exam 4*	12.5%
Comprehensive Assessment Exam 10%*	10%
Exam Subtotal* (75% Exam Rule Average)	60%
Sherpath: Pharmacology lessons	10%
Sherpath: Evolve EAQ	10%
Sherpath: Evolve Chapter Lesson Assessment	10%
Group Project EBP Presentation	10%
Other Subtotal	40%
**Weighted Grade Total	100%
* ≥ 75% exam average required to pass the course	
**Weighted assignments calculated only after 75% exam average met	

Late Work, Make-Up, and Extra-Credit Policy:

All course assignments are expected to be completed and submitted on the specified due date. See Late Assignments Policy in the Nursing Student Handbook

Attendance Policy:

See the Attendance Policy in the Nursing Student Handbook.

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. (Faculty may add additional statement requiring monitoring and communication expectations via D2L or other LMS)

Student Learner Outcome	Maps to Core Objective	Assessed via this Assignment
<p>1. Examine the pathophysiology and clinical management of patients with common health needs.</p>	<p>Outcome 1: Integrate critical thinking when incorporating knowledge from the sciences and humanities in the delivery of professional nursing care</p>	<p>Unit exams and final comprehensive exam Specialty Area topic Score Pathophysiology score Nursing Concepts topic Nursing, subcategory - Clinical Judgment- Clin Decision-Critical Thinking score</p>
<p>Apply the nursing process in the care of adult patients and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.</p>	<p>Outcome 2: Demonstrate principles of collaborative practice within the nursing and interdisciplinary teams fostering mutual respect and shared decision-making to achieve stated outcomes of care.</p>	<p>Unit exams and final comprehensive exams Nursing Process Assessment, Analysis, Interventions, and Evaluation scores topic scores</p>

<p>3. Examine pharmacokinetics, pharmacodynamics, therapeutic actions, side/adverse effects, contraindications, drug and dietary interactions, precautions, and routes of administration of relevant medications used in treatment of patients with common health needs.</p>	<p>Outcome 3: Practice beginning leadership skills to include effective delegation; collaboration with the patient, family, and members of the health care team; coordination of safe, effective, caring, evidence-based, and therapeutic patient-centered care; and integration of knowledge from the humanities, nutrition, pharmacology, and the psychosocial, biological, and nursing sciences.</p>	<p>Unit exams and final comprehensive exams Physiological Integrity: Pharm & Parenteral Tx score Fundamentals: Med Administration score</p>
<p>4. Examine the roles of the associate degree nurse in caring for adult patients with common health needs and their families.</p>	<p>Outcome 3: Practice beginning leadership skills to include effective delegation; collaboration with the patient, family, and members of the health care team; coordination of safe, effective, caring, evidence-based, and therapeutic patient-centered care; and integration of knowledge from the humanities, nutrition, pharmacology, and the psychosocial, biological, and nursing sciences.</p>	<p>Unit exams and final comprehensive exams QSEN topics of Dimensions of Patient Care, Teamwork and Collaboration (Members of the team, Scope of practice and Systems/Team Functions)</p>

<p>5. Utilize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.</p>	<p>Outcome 5: Incorporate principles of effective communication and documentation using current nursing technology and informatics in providing patient-centered care.</p>	<p>Unit exams and final comprehensive exam communication scores</p>
<p>6. Identify fundamental principles of patient care management.</p>	<p>Outcome 4: Synthesize principles and techniques of interpersonal communication to implement therapeutic interactions with culturally diverse individuals, families, and groups in a variety of settings.</p>	<p>Unit exams and final comprehensive exams HESI final Collaboration/Managing Care scores</p>
<p>7. Apply principles of patient safety in the common health needs of patients and their families.</p>	<p>Outcome 4: Synthesize principles and techniques of interpersonal communication to implement therapeutic interactions with culturally diverse individuals, families, and groups in a variety of settings.</p>	<p>Unit exams and final comprehensive exam scores Basic Safety Design Principles score</p>
<p>8. Select appropriate principles of teaching and learning for culturally and spiritually diverse patients with common health needs.</p>	<p>Outcome 6: Integrate principles of teaching and learning to organize and plan the teaching of patients, family members, and other health care providers with socioeconomic, cultural, and spiritual diversity.</p>	<p>Unit exams and final comprehensive exam Teaching and Learning-Patient Education scores</p>

9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with common health needs and their families.	Outcome 5: Incorporate principles of effective communication and documentation using current nursing technology and informatics in providing patient- centered care.	Unit exams and final comprehensive exam QSEN topics Evidence based practice, research and EBP score Safety topics, Nursing informatics score
10. Discuss ethical/legal issues related to the care of adult patients with common health needs and their families.	Outcome 8: Practice the delivery of safe and cost-effective nursing health care according to established evidence- based standards of practice and within legal/ethical standards.	Unit exams and final comprehensive exams QSEN topics Patient centered care topic, ethical legal score.
11. Compare and contrast health care and financial resources available to assist culturally diverse adult patients with common health needs and their families.	Outcome 8: Practice the delivery of safe and cost-effective nursing health care according to established evidence- based standards of practice and within legal/ethical standards.	Unit exams and final comprehensive exam Client needs topics Safe/Effective environment Management of Care

WECM End-of-Course Outcomes

Explain the roles of the professional nurse in caring for adult patients and families; utilize critical thinking skills and a systematic problem-solving process in providing care for adult patients and families with common health needs.

Academic Dishonesty:

Any incidence of academic dishonesty will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty, such as cheating on exams, is an extremely serious offense. See Behavior/Conduct policy in the Nursing Student Handbook.

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact the instructor/facilitator of the course using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact the Dean of Instruction Dr. Rebecca Montz at rmontz@com.edu.

Plagiarism

Plagiarism is using someone else’s words or ideas and claiming them as your own. Plagiarism is a very serious offense. Plagiarism includes paraphrasing someone else’s words without giving proper citation, copying directly from a website and pasting it into your paper, using someone else’s words without quotation marks. Any assignment containing plagiarized material will receive a **grade of zero** and the

student will be referred to the Office of Student Conduct for the appropriate disciplinary action. Also see the Behavior/Conduct policy in the Nursing Student Handbook.

Avoiding Plagiarism: <http://www.plagiarism.org/>

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook [https://www.com.edu/student-services/docs/Student Handbook 2024-2025 v2.pdf](https://www.com.edu/student-services/docs/Student_Handbook_2024-2025_v2.pdf). *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.*

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact:

Kimberly Lachney, Student Accessibility Services Coordinator

Phone: 409-933-8919

Email: AccessibilityServices@com.edu

Location: COM Doyle Family Administration Building, Student Success Center

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is February 26. The last date to withdraw from the 16-week session is April 21. The last date to withdraw for the 2nd 8-week session is April 30.

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center

who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.

Nondiscrimination Statement:

The College District prohibits discrimination, including harassment, against any individual on the basis of race, color, religion, national origin, age, veteran status, disability, sex, sexual orientation, gender (including gender identity and gender expression), or any other basis prohibited by law. Retaliation against anyone involved in the complaint process is a violation of College District policy.

HB1508 Statement: Notice to Students Regarding Licensing Effective September 1, 2017, HB 1508 amends the Texas Occupations Code Section 53 that requires education providers to notify potential or enrolled students that a criminal history may make them ineligible for an occupational license upon program completion. The following website provides links to information about the licensing process and requirements: www.tdlr.texas.gov

Course outline:

Unit 1: Fluids and Electrolytes Unit Student Learning Outcomes:

Upon completion of this unit, the student will be expected to:

1. Examine the pathophysiology and clinical management of patients with common health needs related to disruptions in fluid and electrolytes.
2. Apply the nursing process in the care of adult patients related to disruptions in fluid and electrolytes and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Examine pharmacokinetics, pharmacodynamics, therapeutic actions, side/adverse effects, contraindications, drug and dietary interactions, precautions, and routes of administration of relevant medications used in treatment of patients with common health needs related to disruptions in fluid and electrolytes.
4. Examine the roles of the associate degree nurse in caring for adult patients with common health needs related to disruptions in fluid and electrolytes and their families.
5. Utilize effective communication with culturally and spiritually diverse adult patients related to disruptions in fluid and electrolytes, their families, and members of the health care team.
6. Identify fundamental principles of fluid and electrolyte patient care management.
7. Apply principles of patient safety in the common health needs of patients related to disruptions in fluid and electrolytes and their families.
8. Select appropriate principles of teaching and learning for culturally and spiritually diverse patients related to disruptions in fluid and electrolytes with common health needs.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with common health needs related to disruptions in fluid and electrolytes and their families.
10. Discuss ethical/legal issues related to the care of adult patients with common health needs related to disruptions in fluid and electrolytes and their families.
11. Compare and contrast health care and financial resources available to assist culturally diverse adult patients with common health needs related to disruptions in fluid and electrolytes and their families.

Learning Content:

I. Reading assignments

- A. Lewis's Medical Surgical Nursing: Assessment and management of Clinical Problems, 12th Edition - **Chapter 17**
- B. Pharmacology and the Nursing Process, **10th Edition - 53**

II. Healthcare concepts: The student will apply the above student learning concepts/objectives to master healthcare concepts related to the following disruptions, diseases and conditions:

- A. Fluid Volume Excess

- B. Fluid Volume Deficit
- C. Fluid Shifts
- D. Hyponatremia
- E. Hypo natremia
- F. Hyperkalemia
- G. Hypokalemia
- H. Hypercalcemia
- I. Hypocalcemia
- J. Hyperphosphatemia
- K. Hypophosphatemia
- L. Hypermagnesemia
- M. Hypomagnesemia
- N. Respiratory acidosis
- O. Respiratory alkalosis
- P. Metabolic acidosis
- Q. Metabolic alkalosis
- R. Fluid and Electrolyte replacement
 - a. Oral
 - b. IV Solutions
 - i. Isotonic
 - ii. Hypertonic
 - iii. Hypotonic

Unit 2: Disruptive Factors of the Genitourinary System
Part I: Renal Urinary System
Part II: Reproductive System

Unit Student Learning Outcomes:

Upon completion of this unit, the student will be expected to:

1. Examine the pathophysiology and clinical management of patients with common health needs related to disruptions in the genitourinary system.
2. Apply the nursing process in the care of adult patients and their families related to disruptions in the genitourinary system in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Examine pharmacokinetics, pharmacodynamics, therapeutic actions, side/adverse effects, contraindications, drug and dietary interactions, precautions, and routes of administration of relevant medications used in treatment of patients with common health needs related to disruptions in the genitourinary system.
4. Examine the roles of the associate degree nurse in caring for adult patients with common health needs related to disruptions in the genitourinary system and their families.
5. Utilize effective communication with culturally and spiritually diverse adult patients related to disruptions in the genitourinary system, their families, and members of the health care team.
6. Identify fundamental principles of patient care management related to disruptions in the genitourinary system.
7. Apply principles of patient safety in the common health needs of patients related to disruptions in the genitourinary system and their families
8. Select appropriate principles of teaching and learning for culturally and spiritually diverse patients with common health needs related to disruptions in the genitourinary system.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with common health needs related to disruptions in the genitourinary system and their families.
10. Discuss ethical/legal issues related to the care of adult patients with common health needs related to disruptions in the genitourinary system and their families.
11. Compare and contrast health care and financial resources available to assist culturally diverse adult patients with common health needs related to disruptions in the genitourinary system and their families.

Learning Content:

- I. Reading assignments
 - a. Lewis's Medical Surgical Nursing: Assessment and management of Clinical Problems, 12th Edition - **Chapters 49, 50, 51, 55, 57, 59**
 - b. Pharmacology and the Nursing Process, 10th Edition - **Chapter 35**
- II. Healthcare concepts: The student will apply the above student learning concepts/objectives to master healthcare concepts related to the following disruptions, diseases and conditions:
 - a. Urinary Tract Infection
 - b. Acute pyelonephritis
 - c. Chronic pyelonephritis
 - d. Bladder dysfunction

- i. Incontinence
 - ii. Retention
 - 1. Catheterization
- e. Acute Kidney Injury
- f. Chronic Kidney disease
 - i. Dialysis
 - 1. Peritoneal Dialysis
 - 2. Hemodialysis
 - 3. Continuous Renal Replacement therapy
- g. Chlamydial infections
- h. Gonococcal Infections
- i. Trichomoniasis
- j. Genital Herpes
- k. Genital Warts
- l. Syphilis
- m. Benign Prostatic Hyperplasia (BPH)
 - i. Common surgery: TURP
- n. Erectile dysfunction
- o. Prostatitis
- p. Hypospadias
- q. Phimosis
- r. Peyronie's disease
- s. Epididymitis
- t. Orchitis
- u. Cryptorchidism
- v. Hydrocele Spermatocele
- w. Varicocele
- x. Testicular torsion
- y. Vasectomy
- z. Hypogonadism
- aa. Infertility

Unit 3: Disruptive Factors of the Immune System

I. Inflammation

II. Immune responses

III. Integumentary

Unit Student Learning Outcomes:

Upon completion of this unit, the student will be expected to:

1. Examine the pathophysiology and clinical management of patients with common health needs related to disruptions in the immune system.
2. Apply the nursing process in the care of adult patients related to disruptions in the immune system and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Examine pharmacokinetics, pharmacodynamics, therapeutic actions, side/adverse effects, contraindications, drug and dietary interactions, precautions, and routes of administration of relevant medications used in treatment of patients with common health needs related to disruptions in the immune system.
4. Examine the roles of the associate degree nurse in caring for adult patients related to disruptions in the immune system with common health needs and their families.
5. Utilize effective communication with culturally and spiritually diverse adult patients related to disruptions in the immune system, their families, and members of the health care team.
6. Identify fundamental principles of patient care management related to disruptions in the immune system.
7. Apply principles of patient safety in the common health needs of patients related to disruptions in the immune system and their families.
8. Select appropriate principles of teaching and learning for culturally and spiritually diverse patients with common health needs related to disruptions in the immune system.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with common health needs related to disruptions in the immune system and their families.
10. Discuss ethical/legal issues related to the care of adult patients with common health needs related to disruptions in the immune system and their families.
11. Compare and contrast health care and financial resources available to assist culturally diverse adult patients with common health needs related to disruptions in the immune system and their families.

Learning content:

- I. Reading assignments
 - a. Lewis's Medical Surgical Nursing: Assessment and management of Clinical Problems, 12th Edition - **Chapters 12, 14, 15, 24, 25**
 - b. Pharmacology and the Nursing Process, 10th Edition - **Chapter 56**
- II. Healthcare concepts: The student will apply the above student learning concepts/objectives to master healthcare concepts related to the following disruptions, diseases and conditions:
 - a. Wound healing

- b. Pressure Injuries
- c. Altered immune response
 - i. Hypersensitivities
 - ii. Latex allergy
- d. Human Immunodeficiency Virus Syndrome
- e. Skin infections
- f. Benign skin problems
 - i. Psoriasis

Unit 4: Nutrition and Disruptive Factors of the Gastrointestinal System
Part I – Nutrition & Malnutrition (including Obesity)
Part II – Gastrointestinal System

Unit Student Learning Outcomes:

Upon completion of this unit, the student will be expected to:

1. Examine the clinical management of patients with nutritional and/or gastrointestinal health needs.
2. Apply the nursing process in the care of adult patients and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness for patients with nutritional and/or gastrointestinal health needs.
3. Examine pharmacokinetics, pharmacodynamics, therapeutic actions, side/adverse effects, contraindications, drug and dietary interactions, precautions, and routes of administration of relevant medications used in treatment of patients with nutritional and/or gastrointestinal health needs.
4. Examine the roles of the associate degree nurse in caring for adult patients with nutritional and/or gastrointestinal health needs and their families.
5. Utilize effective communication with culturally and spiritually diverse adult patients regarding nutritional and/or gastrointestinal health needs, their families, and members of the health care team.
6. Identify fundamental principles of patient care management relating to their nutritional and/or gastrointestinal health needs.
7. Apply principles of patient safety in the nutritional and/or gastrointestinal health needs of patients and their families.
8. Select appropriate principles of teaching and learning for culturally and spiritually diverse patients with nutritional and/or gastrointestinal health needs.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with nutritional and/or gastrointestinal health needs and their families.
10. Discuss ethical/legal issues related to the care of adult patients with nutritional and/or gastrointestinal health needs and their families.
11. Compare and contrast health care and financial resources available to assist culturally diverse adult patients with nutritional and/or gastrointestinal health needs and their families.

Learning Content

- I. Reading assignments
 - a. Lewis's Medical Surgical Nursing: Assessment and management of Clinical Problems, 12th Edition - **Chapters 43, 44, 45, 46, 47**
 - b. Pharmacology and the Nursing Process, 10th Edition - **Chapter 50, 51, 52, 53, 55,**
- II. Healthcare concepts: The student will apply the above student learning concepts/objectives to master healthcare concepts related to the following disruptions, diseases and conditions:
 - a. Normal Nutrition
 - i. Hospital diets
 - ii. Therapeutic diets
 - iii. Vegetarian Diet

- iv. Diets with cultural and spiritual influence
- b. Malnutrition
 - i. Enteral & Parenteral nutrition
- c. Problems with Obesity
- d. Health Risks associated with obesity
 - i. Bariatric Surgery
 - ii. Metabolic Syndrome
- e. Nausea and vomiting
- f. Gastroesophageal reflux disease
- g. Hiatal hernia
- h. Peptic ulcers
 - i. Gastric
 - ii. Duodenal
 - iii. Complications
 - 1. Hemorrhage
 - 2. Perforation
 - 3. Gastric outlet obstruction
- i. Gastritis
- j. Foodborne illness
- k. Diarrhea
- l. Fecal incontinence
- m. Constipation
- n. Irritable bowel syndrome
- o. Appendicitis
- p. Diverticulosis and diverticulitis
- q. Hemorrhoids
- r. Anal fissure
- s. Anal fistula
- t. Pilonidal sinus

Unit 5: Disruptive Factors of the Circulatory System

Part I: Respiratory

Part II: Cardiac

Part III: Vascular

Unit Student Learning Outcomes:

Upon completion of this unit, the student will be expected to:

1. Examine the pathophysiology and clinical management of adult patients with alterations of the circulatory system with common health needs.
2. Apply the nursing process in the care of adult circulatory patients and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Examine pharmacokinetics, pharmacodynamics, therapeutic actions, side/adverse effects, contraindications, drug and dietary interactions, precautions, and routes of administration of relevant medications used in treatment of circulatory patients with common health needs.
4. Examine the roles of the associate degree nurse in caring for adult circulatory patients with common health needs and their families.
5. Utilize effective communication with culturally and spiritually diverse adult circulatory patients, their families, and members of the health care team.
6. Identify fundamental principles of patient care management.
7. Apply principles of patient safety in the common health needs of circulatory patients and their families
8. Select appropriate principles of teaching and learning for culturally and spiritually diverse circulatory patients with common health needs.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult circulatory patients with common health needs and their families.
10. Discuss ethical/legal issues related to the care of adult circulatory patients with common health needs and their families.
11. Compare and contrast health care and financial resources available to assist culturally diverse adult circulatory patients with common health needs and their families.

Learning Content

- I. Reading assignments
 - a. Lewis's Medical Surgical Nursing: Assessment and management of Clinical Problems, 12th Edition - **Chapters 27, 30, 31, 8, 35, 36, 37, 38, 41**
 - b. Pharmacology and the Nursing Process, 10th Edition - **Chapter 37, 22, 23, 24, 26, 27**
- II. Healthcare concepts: The student will apply the above student learning concepts/objectives to master healthcare concepts related to the following disruptions, diseases and conditions:
 - a. Pneumonia
 - b. Tuberculosis
 - c. Asthma
 - d. Chronic obstructive pulmonary disease
 - e. Obstructive sleep apnea
 - f. Hypertension
 - g. Coronary artery disease
 - h. Chronic stable angina
 - i. Congestive Heart Failure

- j. Peripheral artery disease
- k. Acute arterial ischemic disorders
- l. Thromboangiitis obliterans
- m. Raynaud's phenomenon
- n. Venous thrombosis
- o. Varicose veins
- p. Chronic venous insufficiency and venous leg ulcers

Unit 6: Disruptive Factors of the Endocrine System

Unit Student Learning Outcomes:

Upon completion of this unit, the student will be expected to:

1. Examine the pathophysiology and clinical management of patients with common health needs related to disruptions in the endocrine system.
2. Apply the nursing process in the care of adult patients related to disruptions in the endocrine system and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Examine pharmacokinetics, pharmacodynamics, therapeutic actions, side/adverse effects, contraindications, drug and dietary interactions, precautions, and routes of administration of relevant medications used in treatment of patients with common health needs related to disruptions in the endocrine system.
4. Examine the roles of the associate degree nurse in caring for adult patients with common health needs related to disruptions in the endocrine system and their families.
5. Utilize effective communication with culturally and spiritually diverse adult patients related to disruptions in the endocrine system, their families, and members of the health care team.
6. Identify fundamental principles of patient care management related to disruptions in the endocrine system.
7. Apply principles of patient safety in the common health needs of patients related to disruptions in the endocrine system and their families.
8. Select appropriate principles of teaching and learning for culturally and spiritually diverse patients related to disruptions in the endocrine system with common health needs.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with common health needs related to disruptions in the endocrine system and their families.
10. Discuss ethical/legal issues related to the care of adult patients with common health needs related to disruptions in the endocrine system and their families.
11. Compare and contrast health care and financial resources available to assist culturally diverse adult patients with common health needs related to disruptions in the endocrine system and their families.

Learning content:

- I. Reading assignments
 - a. Lewis's Medical Surgical Nursing: Assessment and management of Clinical Problems, 12th Edition - Chapters 52, 53,
 - b. Pharmacology and the Nursing Process, 10th Edition - Chapter 32
- II. Healthcare concepts: The student will apply the above student learning concepts/objectives to master healthcare concepts related to the following disruptions, diseases and conditions:
 - a. Diabetes Mellitus I
 - b. Diabetes Mellitus II
 - c. Hyperglycemia
 - d. Hypoglycemia
 - e. Retinopathy
 - f. Nephropathy
 - g. Neuropathy
 - h. Infection

Unit 7: Disruptive Factors related to Movement and Coordination (Neurosensory and Musculoskeletal Systems)

Part I: Neurological

Part II: Musculoskeletal

Part III: Pain

Part IV: Sensory

Unit Student Learning Outcomes:

Upon completion of this unit, the student will be expected to:

1. Examine the pathophysiology and clinical management of adult neurosensory and musculoskeletal patients with common health needs.
2. Apply the nursing process in the care of adult neurosensory and musculoskeletal patients with common health needs and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Examine pharmacokinetics, pharmacodynamics, therapeutic actions, side/adverse effects, contraindications, drug and dietary interactions, precautions, and routes of administration of relevant medications used in treatment of adult neurosensory and musculoskeletal patients with common health needs related to disruptions in their neurosensory system.
4. Examine the roles of the associate degree nurse in caring for adult neurosensory and musculoskeletal patients with common health needs and their families.
5. Utilize effective communication with culturally and spiritually diverse adult neurosensory and musculoskeletal patients, their families, and members of the health care team.
6. Identify fundamental principles of neurosensory and musculoskeletal patient care management.
7. Apply principles of patient safety in the common health needs of neurosensory and musculoskeletal patients and their families
8. Select appropriate principles of teaching and learning for culturally and spiritually diverse patients with common health needs related to disruptions in their neurosensory and musculoskeletal system.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult neurosensory and musculoskeletal patients with common health needs and their families.
10. Discuss ethical/legal issues related to the care of adult neurosensory and musculoskeletal patients with common health needs and their families.
11. Compare and contrast health care and financial resources available to assist culturally diverse adult neurosensory and musculoskeletal patients with common health needs and their families.

Learning Content

- I. Reading assignments
 - a. Lewis's Medical Surgical Nursing: Assessment and management of Clinical Problems, 12th Edition - **Chapters 60, 63, 9, 66, 67, 68, 22, 23**
 - b. Pharmacology and the Nursing Process, 10th Edition – **Chapter 10, 12, 57, 58**
- II. Healthcare concepts: The student will apply the above student learning concepts/objectives to master healthcare concepts related to the following disruptions, diseases and conditions:

- a. Headaches
 - 1. Tension-type headaches
 - 2. Migraine Headaches
 - 3. Cluster headaches
- b. Pain
- c. Soft tissue injuries
- d. Sprains and strains
- e. Carpal tunnel syndrome
- f. Meniscus injury
- g. Common joint surgeries and procedures
- h. Chronic back pain
- i. Intervertebral disc disease
- j. Osteoporosis
- k. Paget's disease
- l. Cataracts
- m. Retinal detachment
- n. Macular degeneration
- o. Glaucoma
- p. Otosclerosis
- q. Meniere's disease
- r. Vertigo
- s. Tinnitus
- t. Hearing loss

**Unit 8: The Perioperative Experience Part I: Pre-operative
Part II: Intraoperative (limited)
Part III: Post-operative**

Unit Learning Outcomes:

Upon completion of this unit, the student will be expected to:

1. Utilize knowledge and principles from the humanities and the psychosocial, biological, and nursing sciences as the foundation for professional nursing practice in care for adult patients and their families with perioperative health needs.
2. Examine the pathophysiology and clinical management of adult patients and their families with perioperative health needs.
3. Examine the roles of the associate degree nurse in caring for adult patients and their families with perioperative health needs.
4. Examine fundamental principles of patient care management in adult patients and their families with perioperative health needs.
5. Apply the nursing process in the care of patients and their families in primary, secondary, and tertiary settings to achieve, improve, or maintain an optimal level of wellness for adults' patients and their families with perioperative health needs.
6. Examine pharmacokinetics, pharmacodynamics, therapeutic actions, side/adverse effects, contraindications, drug and dietary interactions, precautions, and routes of administration of relevant medications used in treatment of medical diagnoses when caring for adult patients and their families with perioperative health needs.
7. Utilize critical thinking skills to analyze clinical data and current literature as a basis for decision making to apply the nursing process in planning comprehensive care for adult patients and their families with perioperative health needs.
8. Select appropriate principles of teaching and learning for culturally and spiritually diverse patients, their families with and without health alterations, concerning health promotion, maintenance, and restoration in adults' patients and their families with perioperative health needs.
9. Utilize effective communication with culturally and spiritually diverse patients, their families, and members of the health care team in adult patients and their families with perioperative needs.
10. Compare and contrast health care and financial resources available to assist culturally diverse adult patients and their families with perioperative health needs.

Learning content & Activities:

- I. Reading assignments
 - a. Lewis's Medical Surgical Nursing: Assessment and management of Clinical Problems, 12th Edition - **Chapters 18, 19, 20**
 - b. Pharmacology and the Nursing Process, 10th Edition – **Chapter 10, 12, 57, 58**
- II. Healthcare concepts: The student will apply the above student learning concepts/objectives to master healthcare concepts related to the following disruptions, diseases and conditions
 - a. Preoperative
 - b. Intraoperative
 - c. Postoperative

Appendix A – Course Calendar

	Wk. of	Class - Thursday 9 -11am & 11:30am – 2:30pm	Facilitators
1	1/16	Class Orientation – Onyirioha/Ketcherside Unit I – F & E, Acid Base, Fluid Balance & Fluid Resuscitation	Onyirioha
2	1/23	Unit 2 – GU system Part I: Renal Urinary System Part II: Reproductive System	Ketcherside
3	1/30	Unit 3 – Immune System 1. Inflammation II. Immune responses III. Integumentary	Ketcherside
4	2/6	Exam 1 – Units 1, 2 & 3 Class Activities/Lab - Starts at 11:30 am	Onyirioha/Ketcherside Starts at 9am
5	2/13	Unit 4 – GI system Part I – Nutrition, Malnutrition & Obesity Part II – Gastrointestinal System	Onyirioha
6	2/20	Unit 5 – Circulatory System Part I – Respiratory	Onyirioha
7	2/27	Unit 5 – Circulatory System Part II - Cardiac	Onyirioha
8	3/6	Exam 2 – Units 4 & 5- Respiratory & Cardiac Class Activities/Lab – Starts at 11:30 am	Onyirioha/Ketcherside Starts at 9am
9	3/13	Unit 5 – Circulatory system Part III - Vascular	Ketcherside
	3/20	SPRING BREAK	SPRING BREAK
10	3/27	Unit 6 – Endocrine	Onyirioha
11	4/3	Unit 7 –Neuro Part I: Neurological	Onyirioha
12	4/10	Exam 3 – Unit 5, 6 & 7 Class Activities/Lab - Starts at 11:30 am	Onyirioha/ Ketcherside Starts at 9am
13	4/17	Unit 7 – Neuro Part II: Musculoskeletal Part III: Pain Part IV: Sensory	Ketcherside
14	4/24	Unit 8 - Operative Experience	Onyirioha
15	5/1	Exam 4 – Unit 7 & 8 Class Group Presentations - Starts at 11:30 am	Onyirioha/ Ketcherside Starts at 9am
16	5/8	Comprehensive Final Exam – 5/8/2025	Onyirioha/Ketcherside Starts at 9am

Appendix B - Weekly - Assignments

Sherpath Pharmacology Weekly Lessons Due Date for all assignment is 4/20/25 (10%)

Proton Pump Inhibitors	
Drugs for asthma and COPD	
Diuretics	
Oral/Parenteral anticoagulants	
Diabetic Drugs	
Statins	
Beta Blockers	
Calcium Channel Blockers	
Nitrates	
Analgesics	
Anti-inflammatory Drugs	

EAQ Weekly Lessons Due Date is 4/27/25 (10%)

F/E	
GI	
Resp/HF	
DM	
Neuro/Sensory/MS	

Evolve Chapter Lesson Assessments Due Date is 4/13/25 (10%)

Nursing Management - Infection	
Problems of the Prostate Gland	
Nursing management STIs	
Nursing management - Obesity	
Primary HTN & HTN Crisis Care	
COPD Care	

Sherpath Pharmacology - Course ID: 165875_gonyirioha5_8002

Sherpath M/S - Course ID: 167824_gonyirioha5_8001

Appendix C - Group Presentation

Professional Nursing Competencies Presentation: **20 minutes**

Students will professionally complete a group Power Point Presentation on the competencies a professional nurse must consider when providing care for a patient with a common health problem. The presentation will refer to a common health care problem discussed during this semester and approved by the course facilitators. First, students will discuss how to approach this healthcare problem using evidence-based practice. Discuss legal/ethical issues related to care of the patient with the common health need. Discuss culturally competent care of a patient with this healthcare problem. Then compare healthcare and financial resources that may assist the patient and their families with this illness.

The presentation must be at least 12-15 slides including a cover slide and reference slide, information must be presented in APA format. The presentation will be graded using the rubric below. This assignment is Due before midnight, April 24, 2025.

Zero (“0”) grade for non-participation or not present during presentation

Presentation Rubric

Introduction, Disease process – what is it?	5
Etiology/Pathophysiology, Statistic, Incidence	5
Risk factors	5
Treatment regimen/Options	10
Impact on Patient/Family/CG	10
Patient/family Education	10
Nursing Implications	10
Cultural Care/Gerontological care (Your Ethnic Group)	10
Legal/Ethical Issues	5
Resources for Patient/CG	5
Conclusion	5
Student Collaboration and participation during presentation	5
No more than 15 slides (including cover or reference) easy to read, with visuals	5
Use minimum of 5 references that are within the last 5yrs	5
Presentation is error free (grammar, spelling, punctuation), Use APA format, in-slide citations, speaker notes, cover page, reference page	5
Grade	100%