



Nursing Department
1200 Amburn Rd.
Texas City, TX 77591

RNSG 2332-101CL

Enhanced Concepts of Adult Health

Fall 2021, 12 Weeks

Wednesday and Friday

1300-1530

STEAM 238

Course Facilitator:

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August 18, 2021

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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 Office Hours 225-29

- Wednesday: 0800-1200
- Friday: 0800-1200

Required Textbooks:

- American Psychological Association. (2020). Concise guide to APA Style (7th ed). <https://doi.org/10.1037/0000173-000>
- ATI Skills 3.0 Online (Previously required).
- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide. Waconia, MN: NurseTim, Inc.
- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). Waconia, NM: NurseTim, Inc.
- Elsevier. F18_COM_ADN_LEWIS/NCLEX and MEDSURG EAQ (previously required)
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). Elsevier. St. Louis, MO.
- Harding, M. M., Hagler, D., Kwong, J., Reinisch, C., & Roberts, D. (2020). Lewis's Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required)
- Lilley, L., Rainforth., Collins, S., & Snyder, J. (2017). Pharmacology and the nursing process (9th Ed.). Elsevier, Inc.: St. Louis, MO. (Previously required)
- Mulholland, J., & Turner, S. (2015). The nurse, the math, the meds: Drug calculations and dimensional analysis. 4th Ed. St Louis, MO: Mosby. (Previously required)
- Texas Board of Nursing: Current Editions of Texas Nursing Practice Act & Nursing Peer Review Act.
http://www.bne.state.tx.us/laws_and_rules_nursing_practice_act.asp
https://www.bon.texas.gov/faq_peer_review.asp
- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.). St. Louis, MO: Elsevier, Inc.

Recommended Textbooks

None

Any previously required textbooks.

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.

Course Description

(LECTURE 2, LAB 3). CREDIT 3. WECM.

Enhanced concepts and skills for developing professional competencies in complicated nursing care situations involving adult patients/families with multiple body system problems. Emphasizes critical thinking, clinical reasoning, and determining legal/ethical values for optimization of patient care in intermediate and acute care settings. This course lends itself to a blocked approach. Prerequisites: [RNSG 1162](#), [RNSG 1343](#), [RNSG 1412](#) and [RNSG 2261](#) with a grade of "C" or better. Co-requisites: [RNSG 2262](#) and [RNSG 2230](#).

Course Requirements

1. Unit exams - Assesses knowledge of course content discussed in class, in reading assignments, and pharmacology modules. Exams will use multiple choice, multiple answer, and alternative style 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 and remediation is required prior to taking the next exam. All unit exams and the HESI Final will be remotely proctored on the student's personal computer. Instructions for downloading appropriate testing software will be provided.
2. HESI Comprehensive Medical-Surgical Final exam - Assesses overall knowledge and understanding of medical-surgical nursing concepts. Exams will use multiple choice, multiple answer, and alternative style test questions as indicated to follow NCLEX-RN testing format.
3. Evidenced-Based Practice Presentation - Assesses knowledge of evidence-based practice guidelines of unit content and apply principles of change theory, quality improvement and outcome measures used in the healthcare setting. Poster presentation topics are assigned to groups during the first week of class. Presentations dates will be assigned in class. See Appendix 1 for grading rubric. Presentations that are to be presented will be recorded individually and both recordings and power point will be submitted via blackboard.
4. Discussion Boards: Discuss in Blackboard ethical/legal issues related to the care of adult patients with complex health needs and their families, principles of teaching and learning for culturally and spiritually diverse patients, and health care and financial resources available to assist culturally diverse adult patients and their families. See Appendix 2 for grading rubric.
5. Mastery Level Elsevier Adaptive Quiz (EAQ) quizzes: Assesses knowledge and application of content integrated within the course. Students will complete quizzes as assigned in the syllabus. The quizzes are multiple choice, multiple answer, and alternative-style questions.
6. Mastery Level Sherpath Quizzes: Assesses knowledge and application of pharmacology content within the course.

Course Objectives/ Student Learning Outcomes

Upon complete of this course, the student will:

1. Examine the pathophysiology and clinical management of adult patients with complex health needs.
2. Apply the nursing process in the care of adult patients with complex health needs and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with complex health needs.

4. 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 patients with complex health needs.
5. Examine the roles of the associate degree nurse in caring for adult patients with complex health needs and their families.
6. Utilize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
7. Apply principles of patient care management in the care of adult patients with complex health needs.
8. Apply principles of patient safety in the care of adult patients with complex healthcare needs and their families.
9. Discuss appropriate principles of teaching and learning for culturally and spiritually diverse adult patients with complex health needs.
10. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with complex health needs and their families.
11. Discuss ethical/legal issues related to the care of adult patients with complex health needs and their families.
12. Examine health care and financial resources available to assist culturally diverse adult patients with complex health needs and their families.

WECM End-of-Course Outcomes:

Prioritize the roles of the professional nurse in the provision of care for adult patients and families.
Design and evaluate care for adult patients and families with advanced health care needs.

Methods of Instruction

Case studies
Lecture
Evidence-based practice group poster and oral presentations
Group discussions
Quizzes
Role-play and demonstration
Audio-visual instructional aids
Practice exams
Discussion board
Practice questions
Patient care plans in class
Lab instruction
Live & Recorded Team Meetings

Grading Scale

A = 90 – 100%
B = 80 – 89.99%
C = 75 – 79.99%*
D = 60 – 74.99%
F = <60%

*A minimum final grade of “C” is required to pass this course.

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.

| Assignments | % |
|--|------------|
| Unit Exams* | 48 |
| Final Exam* HESI | 12 |
| Exam Total* | 60 |
| Evidenced-Based Practice Presentation** | 10 |
| Discussion Board assignments** | 10 |
| NurseThink** | 10 |
| EAQ ** Mastery Level 3 = 100% Mastery Level 2 = 75% Mastery Level 1 = 70% Less than Mastery Level 1 = Zero | 10 |
| Total | 100 |
| * $\geq 75\%$ weighted exam average required to pass the course | |
| ** Weighted assignments calculated only after 75% exam average met. | |

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://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2020-2021_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.*
https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2020-2021_v2.pdf

Attendance

Online courses are presented Live in Microsoft Teams and recorded. The student must access the online course a minimum of 3 times / week. Attendance is measured by completion of assignments at designated dates.

See Attendance policy in the Nursing Student Handbook.

Tardiness

See Attendance policy in the Nursing Student Handbook.

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 October 6. The last date to withdraw from the 16-week session is November 19. The last date to withdraw for the 2nd 8-week session is December 2.

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.

ADA Statement

Any student with a documented disability needing academic accommodations is requested to contact Holly Bankston at 409-933-8520 or hbankston@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Counseling Statement

Any student that is needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or hbankston@com.edu. Counseling services are available on campus in the student center for free and students can also email counseling@com.edu to setup their appointment. Appointments are strongly encouraged; however, some concerns may be addressed on a walk-in basis.

Early Academic Alert Program

The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention is 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.

Classroom Conduct Policy/Student Conduct

Classroom Conduct Policy: College of the Mainland requires that students enrolled at COM be familiar with the Standards of Student Conduct, which can be found in the on-line Student Handbook. <http://www.com.edu/student-services/studenthandbook.php>. Students should act in a professional manner at all times. Disruptive students will be held accountable according to college policy. Any violations of the Code of Conduct will result in a referral to the Office for student Conduct and may result in dismissal from this class.

In addition to the Standards of Student Conduct found in the online COM Student Handbook (<http://www.com.edu/student-services/student-handbook.php>), nursing students are expected to demonstrate good professional character as defined in in BON Rule 213.27 (http://bon.texas.gov/rr_current/213-27.asp). See Behavior/Conduct in the Nursing Student Handbook.

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.

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. An assignment containing any plagiarized material will be referred to the Office of Student Conduct for the appropriate discipline action. Also see the Behavior/Conduct policy in the Nursing Student Handbook. Plagiarism will result in disciplinary action up to and including dismissal from the nursing program.

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

Make-Up Policy/Late Assignments

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

Concerns/Questions Statement

If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact the Course Facilitator. If, after discussing your concern with the Course Facilitator, you still have questions, please email nursing@com.edu to request an appointment with the Director of Nursing. Please see the Student Concerns Policy in the Nursing Student Handbook for further instructions.

Success Tips for Students

1. Schedule time to study based on the difficulty of the content. Use this table as a guide:

| Course Difficulty | Study Hours Per Week Per Hour in Class |
|--------------------------|--|
| High Difficulty Course | 3 hours |
| Medium Difficulty Course | 2 hours |
| Low Difficulty Course | 1 hour |

http://www.usu.edu/arc/StudySmart/pdf/estimating_study_hours.pdf

2. Read assignments before class or clinical. Here are some strategies for getting the most out of your college textbooks:
- 4 Steps to Reading a Textbook:
<http://www.studyright.net/blog/4-steps-to-reading-a-textbook-quickly-and-effectively/>
 - Active Reading Strategies:
<http://www.princeton.edu/mcgraw/library/for-students/remember-reading/>
 - The Reading Cycle: Plan-Do-Review
<http://www2.swccd.edu/~asc/lrnglinks/txttdg.html>

- How to Read Your Textbooks More Efficiently College Info Geek (video)
<https://www.youtube.com/watch?v=tgVjmFSx7rg>
- 5 Active Reading Strategies for Textbook Assignments College Info Geek (video)
[5 Active Reading Strategies for Textbook Assignments - College Info Geek](#)

ANA Scope and Standards of Practice

Students are expected to adhere to established ANA Scope and Standards of Practice (2015). (See Student Handbook and Clinical Evaluation Tool for detailed explanation of standards.)

Student Handbooks

Students are expected to adhere to all policies outlined in the College and Nursing Student Handbooks.

Syllabus Revisions

Faculty reserves the right to make changes to the syllabus as deemed necessary.

Academic Success & Support Services

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

The Tutoring Center provides free tutoring services to students, staff and faculty seeking assistance for writing, reading and oral presentations for academic and non-academic assignments/projects. Located in the Technical Vocational Building, Room 1306, the center provides face-to-face and online tutoring sessions in a welcoming environment. Appointments can be made in person, or on the center scheduler at com.mywconline.com, or by clicking the SRWC icon on the COM website.

COVID-19 Statement

All students, faculty, and staff are expected to familiarize themselves with materials and information contained on the College of the Mainland's Coronavirus Information site at www.com.edu/coronavirus. In compliance with Governor Abbott's May 18 Executive Order, face coverings/masks will no longer be required on COM campus. Protocols and college signage are being updated. We will no longer enforce any COM protocol that requires face coverings. We continue to encourage all members of the COM community to distance when possible, use hygiene measures, and get vaccinated to protect against COVID-19. Please visit com.edu/coronavirus for future updates.

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:

https://www.bon.texas.gov/licensure_eligibility.asp.

*Should you wish to request a review of the impact of criminal history on your potential Registered Nurse License prior to or during your quest for a degree, you can visit this link and request a “Criminal History Evaluation”: https://www.bon.texas.gov/licensure_endorsement.asp
This information is being provided to all persons who apply or enroll in the program, with notice of the requirements as described above, regardless of whether or not the person has been convicted of a criminal offense. Additionally, HB 1508 authorizes licensing agencies to require reimbursements when a student fails to receive the required notice.*

Detailed Course Calendar

RNSG 2332 Enhanced Concepts Adult Health Fall 2021

| Week | Unit | Assignment(s) | Due |
|--|---|---|---|
| Week 1 Orientation 8/23/21 to 8/29/21 | Monday 8/23/21 to Friday 8/27/21, Room 238: <ul style="list-style-type: none"> Orientation (Review Syllabus, Blackboard (BB), and Due Date Process) Wednesday- 8/25/21 1300-1530 <ul style="list-style-type: none"> Problems related to homeostasis & protection Unit 1: Infectious Disease, Emerging / Reemerging infections, Antimicrobial Resistant Organisms <ul style="list-style-type: none"> Lab/Clinical Exercises Thursday 8/26/21, Room 238: Practice Skills, 0800-1600 <ul style="list-style-type: none"> Math exam #1 0800 Skills 0900-1200 Study and prepare on your own | | |
| Week 2 BB 8/30/21 to 9/5/21 | Math Comp #2 (If needed, for RNSG 2262 Enhanced Concepts Clinical) <ul style="list-style-type: none"> <i>Must take exam at the specified time</i> Wednesday, 9/1/2021, 1330-1530 <ul style="list-style-type: none"> Problems related to homeostasis & protection <ul style="list-style-type: none"> Unit 1: Infectious Disease, Emerging / Reemerging infections, Antimicrobial Resistant Organisms (Continued) <ul style="list-style-type: none"> Organ transplantation, tissue typing, immunosuppressive drug therapy. Math Comp #3 (If needed, for RNSG 2262 Enhanced Concepts Clinical) <ul style="list-style-type: none"> <i>Must take exam at the specified time</i> Friday, 09/03/2021, 1330-1530 <ul style="list-style-type: none"> Problems related to altered sensory input <ul style="list-style-type: none"> Unit 2 Integumentary Problems: Burns | NurseThink Notes and See assignment Content area in Blackboard-MRSA/VRE/Healthcare associated Infections/Pharmacology assignments | Wednesday 09/01/2021, 1245 Friday, 09/03/2021, 1245 09/05/21 by 2359 |
| Week 3 Lecture 9/6/21 to | EAQ due Wednesday 09/08/21 1300-1530 <ul style="list-style-type: none"> Problems related to altered sensory input (Continued) | | 9/6/21 By 2359 |

| Week | Unit | Assignment(s) | Due |
|--|---|---|--|
| 9/12/21 | <ul style="list-style-type: none"> ○ Unit 2 Integumentary Problems: Environmental Hazards, Skin Cancers <p>Proctored Exam #1: (Units 1 & 2)</p> <ul style="list-style-type: none"> • Friday, 9/10/2021, 1300 • 1430-1530 Unit 3 | <p><i>Must take exam at the specified time on campus</i></p> <p>NurseThink notes and See assignment Content are in Blackboard Acute Pain and Burns</p> | 9/12/21 by 2359 |
| Week 4 BB Lecture 9/13/21 to 9/19/21 | <p>Wednesday 09/15/2021 1300-1530</p> <ul style="list-style-type: none"> • Unit 3 Problems of Oxygenation / Ventilation <ul style="list-style-type: none"> ○ Lower Respiratory Problems <p>Friday 09/17/2021 1300-1530</p> <ul style="list-style-type: none"> • Unit 3 Problems of Oxygenation / Ventilation (Continued) <ul style="list-style-type: none"> ○ Lower Respiratory Problems • Unit 4 Problems of Oxygenation / Perfusion <ul style="list-style-type: none"> ○ Vascular Disorders <ul style="list-style-type: none"> ▪ Aortic Aneurysms / Aortic Dissections | <p>NurseThink notes and See Assignment Content area in Blackboard Pulmonary embolism, Pneumonia, Oxygenation/gas exchange</p> | 9/19/21 by 2359 9/19/21 by 2359 |
| Week 5 BB Lecture 9/20/21 to 9/26/21 | <p>EAQ</p> <p>Wednesday 09/22/2021 1300-1530</p> <ul style="list-style-type: none"> • Unit 5: Problems of Oxygenation / Perfusion <ul style="list-style-type: none"> ○ Dysrhythmias <p>Proctored Exam #2: (Units 3 & 4)</p> <ul style="list-style-type: none"> • Friday, 9/24/2021, 1300-1420 <p>1430-1530 Unit 5 continued</p> | <p>EAQ</p> <p>NurseThink notes and See Assignment Content area in Blackboard Aortic Aneurysm, Ischemic stroke, Hemorrhagic stroke</p> | 9/20/21 by 2359 |
| Week 6 BB Lecture 9/27/21 to 10/3/21 | <p>Wednesday 09/29/2021 1300-1530</p> <ul style="list-style-type: none"> • Unit 5: Problems of Oxygenation / Perfusion (Continued) <ul style="list-style-type: none"> ○ Dysrhythmias • Unit 6: Problems related to movement and coordination <ul style="list-style-type: none"> ○ Acute Intracranial Problems <p>Friday 10/01/2021 1300-1530</p> | <p>NurseThink notes and See Assignment Content area in Blackboard Tachy/brady dysrhythmias</p> | 10/3/21 by 2359 |

| Week | Unit | Assignment(s) | Due |
|--|--|--|-----------------------------------|
| | (Continued) <ul style="list-style-type: none"> Musculoskeletal Trauma, Vertebral Fractures, Facial Fractures | | |
| Week 10 BB lecture 10/25/21 to 10/31/21 | <p>Wednesday 10/27/2021 1300-1530</p> <ul style="list-style-type: none"> Unit 9: Care in Specialized Settings <ul style="list-style-type: none"> Emergency, Trauma, Disaster, & Pandemic Nursing Sexual Assault <p>Friday 10/29/2021 1300-1530</p> <ul style="list-style-type: none"> Unit 9: Care in Specialized Settings (continued) <ul style="list-style-type: none"> Emergency, Trauma, Disaster, & Pandemic Nursing Sexual Assault | Discussion Board due | 10/31/21 at 2359 |
| Week 11 BB Lecture 11/1/21 to 11/7/21 | <p>EAQ</p> <p>Wednesday 11/03/2021 1300-1530</p> <ul style="list-style-type: none"> HESI review <ul style="list-style-type: none"> Medical Surgical Comprehensive (includes content from Common & Complex Semesters) Pharmacology <p>Live Proctored Exam #4: (Units 7, 8, & 9)</p> <ul style="list-style-type: none"> Friday 11/05/2021 1300 | <p>EAQ</p> <p><i>Must take exam at the specified time</i></p> | 11/7/21 by 2359 |
| Week 12 BB 11/8/21 to Friday 11/12/21 | <p>Finals Week</p> <p>HESI / ProctorU Med-Surg Exams</p> <p>Grades due in Web Advisor by noon, Friday, 11/12/2021</p> | | |

Course Outline

Unit 1: Health Alterations Due to Infectious Diseases and Altered Immune Responses:

August 18, 2021

Transplantation

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

1. Examine the pathophysiology and clinical management of adult patients with infectious diseases.
2. Apply the nursing process in the care of adult patients with infectious diseases and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patient with infectious diseases.
4. 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 patients with infectious diseases.
5. Examine the roles of the associate degree nurse in caring for adult patients with infectious diseases and their families.
6. Utilize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
7. Apply principles of patient care management in the care of adult patients with infectious diseases.
8. Apply principles of patient safety in the care of adult patients with complex healthcare needs and their families.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with infectious diseases and their families.

Learning Content:

- I. Infections
 - A. Types of Pathogens
 - B. Emerging Infections
 1. Reemerging Infections
 2. Antimicrobial-Resistant Organisms
 - C. Health Care-Associated Infections
 - D. Infection Prevention and Control
- II. Organ Transplantation
- III. Graft-Versus-Host Disease

Learning Activities:

- Transmission-based precautions Activity
- Evolve adaptive quizzing
- NurseThink Note taking
- Clinical Reasoning Case Studies
- ATI Skills 3.0 Infection Control Modules
- Sherpath Pharmacology

Recommended Reading / Activities:

- CDC Links on Coronavirus (see Blackboard course)
- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide: **Chapter 7 (pp. 93-99 and pp. 124-125)**
- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **p. 215 Infection; p. 229 Healthcare-Associated Infections); p. 231 (MRSA); p. 233 (VRE).**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case Study 106. Post transplant Immunosuppression; Case Study 129. MRSA Cellulitis**
- Harding, M. M., Hagler, D., Kwong, J., Reinisch, C., & Roberts, D. (2020). Lewis's Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). **Chapters 13 & 14**
- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.): **p. 51 (older adults), p. 147 (c-reactive protein), p. 105 (CLABSI)**

Unit 2: Integumentary Problems and Burns

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

1. Examine the pathophysiology and clinical management of adult patients with burns and malignant skin problems.
2. Apply the nursing process in the care of adult patients with burns and malignant skin problems and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with burns and malignant skin problems.
4. 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 patients with burns and malignant skin Problems.
5. Examine the roles of the associate degree nurse in caring for adult patients with burns and malignant skin Problems and their families.
6. Synthesize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
7. Apply principles of patient care management in the care of adult patients with burns and malignant skin Problems.
8. Apply principles of patient safety in the care of adults with complex healthcare needs and their families.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with burns and malignant skin Problems.

Learning Content

- I. Health Promotion
- II. Skin Cancer
 - A. Non-melanoma Skin Cancer
 - B. Malignant Melanoma
- III. Skin Grafts
- IV. Burns
 - A. Types of Burn Injury
 - B. Classification of Burn Injury
 - C. Prehospital and Emergency Care
 - D. Emergent Phase
 - E. Nursing and Interprofessional Management: Emergent Phase
 - F. Acute Phase
 - G. Nursing and Interprofessional Management: Acute Phase
 - H. Rehabilitation Phase
 - I. Nursing and Interprofessional Management: Rehabilitation Phase
 - J. Emotional Psychologic Needs of Patients and Caregivers
 - K. Special Needs of Nurses

Learning Activities:

- ATI Active Learning Templates
- NurseThink Note taking
- Clinical Reasoning Case Studies
- Evidence-based practice presentations

Recommended Reading / Activities:

- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide: **Chapter 14 (pp. 396-403)**
- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **p. 113 - Acute Pain; p. 123 -Burns.**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case Studies #116 – Acute Burn Injury; #118 – Melanoma**
- Lewis, S. L. Bucher, L, Heitkemper, M. M., & Harding, M. M., Kwong, J. and Roberts, D. (2017). Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required) **Chapter 23 – Integumentary Problems (Skin Cancer) pp. 409-413.**
- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.): **Chapter 25 – Burns; pp. 457 -471**

Unit 3: Lower Respiratory and Airway Problems

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

10. Examine the pathophysiology and clinical management of adult patients with lower respiratory and airway problems.
11. Apply the nursing process in the care of adult patients with lower respiratory and airway problems and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
12. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with lower respiratory and airway problems.
13. 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 patients with lower respiratory and airway problems.
14. Examine the roles of the associate degree nurse in caring for adult patients with lower respiratory and airway problems and their families.
15. Synthesize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
16. Apply principles of patient care management in the care of adult with lower respiratory and airway problems.
17. Apply principles of patient safety in the care of adults with complex healthcare needs and their families.
18. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with lower respiratory and airway problems.

Learning Content

- I. Problems of Trachea and Larynx
 - A. Airway Obstruction
 - B. Tracheostomy
 - C. Nursing Management: Tracheostomy
- II. Chest Trauma and Thoracic Injuries
 - A. Pneumothorax
 - B. Fractured Ribs
 - C. Flail Chest
 - D. Chest Tubes and Pleural Drainage
 - E. Nursing Management: Chest Drainage
 - F. Chest Surgery
- III. Restrictive Respiratory Disorders
 - A. Pleural Effusion
 - i. Thoracentesis
 - B. Pleurisy
 - C. Atelectasis
- IV. Vascular Lung Disorders

- A. Pulmonary Embolism
- B. Pulmonary Edema
- C. Nursing Management: Pulmonary Embolism & Pulmonary Edema
- V. Pulmonary Hypertension
 - A. Idiopathic Pulmonary Arterial Hypertension
 - B. Nursing and Interprofessional Management: Pulmonary Hypertension
 - C. Secondary Pulmonary Arterial Hypertension
 - D. Cor Pulmonale
 - E. Nursing and Interprofessional Management: Cor Pulmonale
 - F. Lung Transplantation
- VI. Artificial Airways
- VII. Nursing and Interprofessional Management: Artificial Airway
- VIII. Mechanical Ventilation
 - A. Legal / Ethical Dilemmas
- IX. Acute Respiratory Failure
- X. Nursing and Interprofessional Management: Acute Respiratory Failure
- XI. Acute Respiratory Distress Syndrome
- XII. Nursing and Interprofessional Management: Acute Respiratory Distress Syndrome

Learning Activities:

- ATI Active Learning Templates: **Skills 3.0**
 - Airway Management
 - Closed Chest Drainage
- NurseThink Note taking
- Clinical Reasoning Case Studies
- Evidence-based practice simulations

Recommended Reading / Activities:

- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide: **p. 80 – Pulmonary Embolism; p. 176 – Chest trauma/pneumothorax; p. 178 – Acute Respiratory Distress Syndrome (ARDS); p. 184 – Pulmonary Hypertension**
- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **p. 425 – Chest Tubes; p. 369 – Oxygenation; p. 259 – pneumonia; p. 57 – pulmonary embolism; p. 377 – pulmonary hypertension; p. 369 – Concept Respiration / oxygenation / gas exchange; p. 379 – Severe acute respiratory syndrome; p. 445 - tracheostomy**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case Studies #24 – Postoperative Atelectasis; #30 – Community Acquired Pneumonia; #35 – Chest Trauma; #36 – Pleural Effusion with Chest Tube; #37 – Pulmonary**

Embolism; #39 – ARF with Mechanical Ventilation; #40 – Adult Respiratory Distress Syndrome

- Lewis, S. L. Bucher, L, Heitkemper, M. M., & Harding, M. M., Kwong, J. and Roberts, D. (2017). Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required) **Chapter 27 – Lower Respiratory Problems (Read pages associated with Learning Content); Chapter 67 – Acute Respiratory Failure and Acute Respiratory Distress Syndrome**
- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.): **Chapter 14 – Pulmonary Disorders; Chapter 15 – Pulmonary Therapeutic Management**

Unit 4: Acute Alterations of the Vascular Circulation / Perfusion / Clotting

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

19. Examine the pathophysiology and clinical management of adult patients with Acute Alterations of the Vascular Circulation / Perfusion / Clotting
20. Apply the nursing process in the care of adult patients with Acute Alterations of the Vascular Circulation / Perfusion / Clotting, including their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
21. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with Acute Alterations of the Vascular Circulation / Perfusion / Clotting.
22. 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 patients with Acute Alterations of the Vascular Circulation / Perfusion / Clotting
23. Examine the roles of the associate degree nurse in caring for adult patients Acute Alterations of the Vascular Circulation / Perfusion / Clotting including their families.
24. Synthesize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
25. Apply principles of patient care management in the care of adult with Acute Alterations of the Vascular Circulation / Perfusion / Clotting
26. Apply principles of patient safety in the care of adults with complex healthcare needs and their families.
27. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with lower Acute Alterations of the Vascular Circulation / Perfusion / Clotting

Learning Content

- XIII. Aortic Aneurysms
 - A. Nursing Management: Aortic Aneurysms
 - B. Aortic Dissection
 - C. Nursing Management: Aortic Dissection
- XIV. Hypertensive Crisis and Nursing and Interprofessional Management: Hypertensive Crisis
- XV. Stroke
 - A. Acute Ischemic Stroke
 - B. Acute Hemorrhagic Stroke
 - C. Nursing Management: Acute Ischemic & Hemorrhagic Stroke

Learning Activities:

- ATI Active Learning Templates
- NurseThink Note taking
- Clinical Reasoning Case Studies
- Evidence-based practice simulations

Recommended Reading / Activities:

- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide: **p. 76 – Stroke – Cerebrovascular Accident (CVA).**
- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **p. 451 (Blank Page) Aortic Aneurysm; p. 53 – Embolic (Ischemic) Stroke; p. 55 – Hemorrhagic Stroke.**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case Studies #17 – Abdominal Aortic Aneurysm; #77 – Acute Cerebrovascular accident**
- Lewis, S. L. Bucher, L, Heitkemper, M. M., & Harding, M. M., Kwong, J. and Roberts, D. (2017). Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required) **Chapter 37 Vascular Disorders: Aortic Aneurysms; Aortic Dissection– pp. 807 – 813; Chapter 57 - Stroke**
- Lilley, L., Rainforth., Collins, S., & Snyder, J. (2017). Pharmacology and the nursing process (9th Ed.). Elsevier, Inc.: St. Louis, MO. (Previously required). **Chapter 26 – Coagulation Modifier Druge**
- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.): **Chapter 17: Stroke, pp. 305 – 314.**

Unit 5: Cardiac Dysrhythmias (Problems of Perfusion)

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

1. Examine the pathophysiology and clinical management of adult patients with dysrhythmias.
2. Apply the nursing process in the care of adult patients with dysrhythmias and their families in primary, secondary, and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with dysrhythmias
4. 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 patients with dysrhythmias.
5. Examine the roles of the associate degree nurse in caring for adult patients with dysrhythmias and their families.
6. Utilize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
7. Apply principles of patient care management in the care of adult patients with dysrhythmias
8. Apply principles of patient safety in the care of adult patients with complex healthcare needs and their families.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with dysrhythmias and their families.

Learning Content

- I. Dysrhythmias
 - A. Rhythm Identification and Treatments
 - B. Telemetry Monitoring
 - C. Types of Dysrhythmias
 - D. Defibrillation
 - i. Synchronized Cardioversion
 - ii. Implantable Cardioverter-Defibrillator
 - iii. Pacemakers
 - E. Associated with Acute Coronary Syndrome
 - i. Myocardial Infarction: ST-Elevation and Non-ST-Elevation
 - ii. Sudden Cardiac Death
 - iii. Nursing and Interprofessional Management: Sudden Cardiac Death
 - F. Syncope
 - G. Nursing and Interprofessional Management: Restrictive Cardiomyopathy

Learning Activities:

- NurseThink Note taking
- Clinical Reasoning Case Studies
- ECG identification Activity

Recommended Reading:

- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **Blank pages 451 & 453: Label “Tachy Dysrhythmias” and “Brady Dysrhythmias”**
- Lewis, S. L. Bucher, L, Heitkemper, M. M., & Harding, M. M., Kwong, J. and Roberts, D. (2017). Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required). **Chapter 33 – pp. 718 – 722 (ST elevation & non-ST elevation Myocardial infarction, dysrhythmias); Chapter 35 – Dysrhythmias**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case Studies #5 – Coronary Artery Disease and Permanent Pacemaker & #22 Dysrhythmia with Implantable Cardio-defibrillator**
- Lilley, L., Rainforth., Collins, S., & Snyder, J. (2017). Pharmacology and the nursing process (9th Ed.). Elsevier, Inc.: St. Louis, MO. (Previously required). **Chapter 25 – Antidysrhythmic Drugs**
- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.): **Chapter 11 – Cardiovascular Diagnostic Procedures (Electrocardiography)_ pp. 117 – 136; Chapter 12 – Cardiovascular Therapeutic Management**

Unit 6: Acute Intracranial Problems

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

1. Examine the pathophysiology and clinical management of adult patients with acute intracranial problems
2. Apply the nursing process in the care of adult patients with acute intracranial alterations and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with acute intracranial problems
4. 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 patients acute intracranial problems.
5. Examine the roles of the associate degree nurse in caring for adult patients with acute intracranial problems and their families.
6. Utilize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
7. Apply principles of patient care management in the care of adult patients with acute intracranial problems
8. Apply principles of patient safety in the care of adult patients with complex healthcare needs and their families.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with acute intracranial problems.
10. Discuss ethical/legal issues related to the care of adult patients with acute intracranial problems and their families.
11. Examine health care and financial resources available to assist culturally diverse adult patients with acute intracranial problems.

Learning Content

- XVI. Stroke
 - A. Acute Ischemic Stroke & Hemorrhagic Stroke
 - i. Nursing Management
 - ii. Interprofessional Care Management
 - iii. Pharmacologic management
- XVII. Intracranial Regulation – Interprofessional Care, Pharmacologic and Nursing Management
 - A. Increased Intracranial Pressure
 - B. Head Injury
 - i. Traumatic Brain Injury
 - C. Brain Tumors
 - D. Cranial Surgery
- XVIII. Inflammatory Conditions of the Brain – Interprofessional Care, Pharmacologic and

Nursing Management

- A. Bacterial meningitis
- B. Viral Meningitis
- C. Brain Abscess
- D. Encephalitis

Learning Activities:

- ATI Active Learning Templates
- NurseThink Note taking
- Clinical Reasoning Case Studies
- Evidence-based practice simulations

Essential Reading / Activities:

- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide: **p. 76 – Stroke – Cerebrovascular Accident (CVA).**
- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **p. 53 – Embolic (Ischemic) Stroke; p. 55 – Hemorrhagic Stroke; p. 253 Meningitis / Encephalitis; p. 303 - Increased Intracranial Pressure**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case #77 – Acute Cerebrovascular accident; Case #82 – Meningitis; Case #87 – Closed Head Injury; Case #88 - Subarachnoid Hemorrhage**
- Harding, M. M., Hagler, D., Kwong, J., Reinisch, C., & Roberts, D. (2020). Lewis's Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required)
- **Chapter 56 – Acute Intracranial Problems; Chapter 57 - Stroke**
- Lilley, L., Rainforth., Collins, S., & Snyder, J. (2017). Pharmacology and the nursing process (9th Ed.). Elsevier, Inc.: St. Louis, MO. (Previously required). **Chapter 26 – Coagulation Modifier Drugs; Chapter 11 – pp.169 Moderate sedation drugs, pp. 172-176 Neuromuscular Blocking Drugs; Chapter 12 – Benzodiazepines and Miscellaneous hypnotic drugs;**
- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.): **Chapter 16: Neurologic Clinical Assessment & Diagnostic Procedures; Chapter 17: Neurologic Disorders and Therapeutic Management**

Unit 6a: Spinal Cord, Peripheral Nerve Problems, and Seizure Disorders

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

12. Examine the pathophysiology and clinical management of adult patients with spinal cord, peripheral nerve problems, and seizure disorders.
13. Apply the nursing process in the care of adult patients with spinal cord, peripheral nerve problems, and seizure disorders and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
14. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with spinal cord, peripheral nerve problems, and seizure disorders.
15. 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 patients spinal cord, peripheral nerve problems, and seizure disorders.
16. Examine the roles of the associate degree nurse in caring for adult patients, and their families, with spinal cord, peripheral nerve problems, and seizure disorders.
17. Utilize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
18. Apply principles of patient care management in the care of adult patients with spinal cord, peripheral nerve problems, and seizure disorders.
19. Apply principles of patient safety in the care of adult patients with complex healthcare needs and their families.
20. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with spinal cord, peripheral nerve problems, and seizure disorders.
21. Discuss ethical/legal issues related to the care of adult patients, and their families with spinal cord, peripheral nerve problems, and seizure disorders.
22. Examine health care and financial resources available to assist culturally diverse adult patients with spinal cord, peripheral nerve problems, and seizure disorders.
- 23.

Learning Content

- XIX. Chronic Neurologic Disorders - Interprofessional Care, Pharmacologic and Nursing Management
 - A. Epilepsy and Seizure Disorders

- XX. Degenerative Neurologic Disorders- Interprofessional Care, Pharmacologic and Nursing Management
 - B. Multiple Sclerosis
 - C. Parkinson's Disease
 - D. Myasthenia Gravis
 - E. Amyotrophic Lateral Sclerosis

- XXI. Spinal Cord & Peripheral Nerve Problems- Interprofessional Care, Pharmacologic and Nursing Management

- F. Spinal Cord Injury
- G. Spinal Cord Tumors
- H. Cranial Nerve Disorders
 - i. Trigeminal Neuralgia
 - ii. Bell's Palsy
- I. Polyneuropathies
 - i. Guillain-Barre Syndrome

Learning Activities:

- ATI Active Learning Templates
- NurseThink Note taking
- Clinical Reasoning Case Studies
- Evidence-based practice simulations

Essential Reading / Activities:

- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide: **p. 346 Seizures; p. 354 Trigeminal Neuralgia; p. 358 Amyotrophic Lateral Sclerosis (ALS); p. Guillain-Barre' Syndrome (GBS); p. 360 multiple Sclerosis (MS); p. 362 Myasthenia Gravis; p. 364 Parkinson's Disease; p. 378 Spinal Cord Injury**
- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **p. 179 Amyotrophic Lateral Sclerosis; p. 185 Guillain-Barre' Syndrome; p. 187 Multiple Sclerosis; p. 189 Myasthenia Gravis; p. 191 Parkinson's Disease; p. 199 Trigeminal Neuralgia**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case #53 MS; #54 GBS; #76 Parkinson's Disease; #78 ALS; #79 Seizure Disorder; #80 Myasthenia Gravis; #85 Status Epilepticus; #86 Spinal Cord Injury.**
- Harding, M. M., Hagler, D., Kwong, J., Reinisch, C., & Roberts, D. (2020). Lewis's Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required)
- **Chapter 58, pp. 1358 – 1365 Seizure Disorders; Chapter 60, Spinal Cord and Peripheral Nerve Problems.**
- Lilley, L., Rainforth., Collins, S., & Snyder, J. (2017). Pharmacology and the nursing process (9th Ed.). Elsevier, Inc.: St. Louis, MO. (Previously required). **Chapter 14 - Antiepileptic Drugs; Chapter 15 - Antiparkinson Drugs**

- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.): **Chapter 16: Neurologic Clinical Assessment & Diagnostic Procedures;**
Chapter 17: Neurologic Disorders and Therapeutic Management

Unit 7: Musculoskeletal Trauma

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

10. Examine the pathophysiology and clinical management of adult patients with Musculoskeletal Trauma.
11. Apply the nursing process in the care of adult patients with Musculoskeletal Trauma.
12. and their families in primary, secondary, and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
13. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with Musculoskeletal Trauma.
14. 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 patients with Musculoskeletal Trauma.
15. Examine the roles of the associate degree nurse in caring for adult patients with Musculoskeletal Trauma and their families.
16. Utilize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
17. Apply principles of patient care management in the care of adult patients with Musculoskeletal Trauma.
18. Apply principles of patient safety in the care of adult patients with complex healthcare needs and their families.
19. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with Musculoskeletal Trauma and their families.

Learning Content

H. Musculoskeletal Trauma Injuries: Nursing Management and Interprofessional Care

1. Dislocation and Subluxation

2. Fractures

- a) Location specific
- b) Classifications
- c) Healing
- d) Complications
- e) Emergency Management
- f) Nursing ADPIE
- g) Interprofessional Care
 - i. Immobilization
 - ii. Surgical Intervention (pre-op and post-op Nursing Management)

3. Amputation

4. Fall Prevention

Learning Activities:

- NurseThink Note taking

- Clinical Reasoning Case Studies
- ECG identification Activity

Recommended Reading:

- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **Fall Prevention p. 431; Preoperative p. 441; Postoperative p. 439**
- Harding, M. M., Hagler, D., Kwong, J., Reinisch, C., & Roberts, D. (2020). Lewis's Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. **Chapter 62 Musculoskeletal Trauma and Orthopedic Surgery**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case Studies # 45 – Fractured Tibia and Fibula with Osteomyelitis; #46 – Fractured Hip with Postoperative Complications; #47 Fractured Femur with Traction; # 49 Fractured Hip in the Emergency Department; #50 – Above the Knee Amputation**
- Lilley, L., Rainforth., Collins, S., & Snyder, J. (2017). Pharmacology and the nursing process (9th Ed.). Elsevier, Inc.: St. Louis, MO. (Previously required). **Chapter 10 – Analgesic Drugs**

Unit 8: Hemodynamic Monitoring and Circulatory Assistive Devices

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

28. Examine the pathophysiology and clinical management of adult patients with hemodynamic monitoring and circulatory assistive devices
29. Apply the nursing process in the care of adult patients with burns and malignant skin problems and their families in primary, secondary and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
30. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with hemodynamic monitoring and circulatory assistive devices.
31. 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 patients with hemodynamic monitoring and circulatory assistive devices.
32. Examine the roles of the associate degree nurse in caring for adult patients with hemodynamic monitoring and circulatory assistive devices and their families.
33. Synthesize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
34. Apply principles of patient care management in the care of adult patients with hemodynamic monitoring and circulatory assistive devices.
35. Apply principles of patient safety in the care of adults with complex healthcare needs and their families.
36. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with hemodynamic monitoring and circulatory assistive devices.

Learning Content

- V. Cardiac Cycle
 - A. Systole
 - B. Diastole
- VI. Hemodynamic monitoring
 - A. Cardiac output normal
 - B. Cardiac index normal
 - C. Stroke Volume normal
 - D. Preload
 - E. Afterload
 - F. Vascular Resistance
 - G. Contractility
- VII. Devices Used for Hemodynamic Monitoring
 - A. Arterial BP
 - B. Central Venous Catheter
 - C. Pulmonary artery flow-directed catheter (Swan-Ganz)
 - D. Nursing and Interprofessional Management: Arterial line and waveform
 - E. Nursing and Interprofessional Management: Central venous pressure and

waveform

F. Nursing and Interprofessional Management: Swan-Ganz and waveform

G. Emotional Psychologic Needs of Patients and Caregivers

H. Special Needs of Nurses

VIII. The role of the nurse in quality and safety monitoring.

Learning Activities:

- ATI Active Learning Templates
- NurseThink Note taking
- Clinical Reasoning Case Studies
- Evidence-based practice presentations

Recommended Reading / Activities:

- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide: **Chapter 19: Role of the Nurse in Quality and Safety, pp. 521 – 525.**
- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **Safety: Central Line, p. 423. (Substitute Pulmonary Artery Catheter as this is also a Central Line).**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case study # 12 p 52**
- Lewis, S. L. Bucher, L, Heitkemper, M. M., & Harding, M. M., Kwong, J. and Roberts, D. (2017). Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required) **Chapter 65 – Critical Care. Hemodynamic monitoring and circulatory assistive devices pp 1537-1547**
- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.): **Chapter 10 – Cardiovascular clinical assessment and diagnosis – pp 97-117 and Ch 12 – Cardiovascular therapeutic management – pp 211-214**

Unit 9: Shock, Sepsis, Systemic Inflammatory Response Syndrome (SIRS), & Multi-Organ Dysfunction Syndrome (MODS)

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

1. Examine the pathophysiology and clinical management of adult patients with shock and multi-system organ dysfunction.
2. Apply the nursing process in the care of adult patients with shock and multi-system organ dysfunction and their families in primary, secondary, and tertiary settings to achieve, improve, or maintain an optimal level of wellness.
3. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients with shock and multi-system organ dysfunction.
4. 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 patients with shock and multi-system organ dysfunction.
5. Examine the roles of the associate degree nurse in caring for adult patients with shock and multi-system organ dysfunction and their families.
6. Utilize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team.
7. Apply principles of patient care management in the care of adult patients with shock and multi-system organ dysfunction.
8. Apply principles of patient safety in the care of adult patients with complex healthcare needs and their families.
9. Utilize clinical data and current literature as a basis for decision making in the care of adult patients with shock and multi-system organ dysfunction.

Learning Content

IX. Shock

A. Classification of Shock

- i. Cardiogenic Shock
- ii. Hypovolemic Shock
- iii. Distributive Shock
 1. Neurogenic Shock
 2. Anaphylactic Shock
 3. Septic Shock
- iv. Obstructive Shock

B. Stages of Shock

- i. Initial Stage
- ii. Compensatory Stage
- iii. Progressive Stage

X. Nursing Management: Shock

XI. Systemic Inflammatory Response Syndrome (SIRS) and Multiple Organ Dysfunction Syndrome (MODS)

- XII. Nursing and Interprofessional Management: SIRS and MODS
- XIII. Disseminated Intravascular Coagulation
- XIV. Nursing Management: Disseminated Intravascular Coagulation
- XV. Heparin Induced Thrombocytopenia (HIT)
- XVI. Nursing Management: HIT

Learning Activities:

- ATI Active Learning Templates
- NurseThink Note taking
- Clinical Reasoning Case Studies

Recommended Reading / Activities:

- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide: **p. 64 – Shock; p. 81 – Disseminated intravascular coagulation (DIC);**
- Bristol, T. J., & Sherrill, K. J. (2019). NurseThink for students: The notebook (3rd Ed.). **DIC – p. 51; Cardiogenic Shock – p. 75; Hypovolemic Shock – p. 77; Septic Shock – p. 79; Septicemia – p. 227;**
- Harding, M., & Snyder, J. S. (2020). Clinical reasoning cases in nursing (7th Ed.). **Case study # 21 - DIC; # 130 – Sepsis;**
- Lewis, S. L. Bucher, L, Heitkemper, M. M., & Harding, M. M., Kwong, J. and Roberts, D. (2017). Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required) **Chapter 66 – Shock, Sepsis, and Multiple Organ Dysfunction syndrome;**
- Urden, L. D., Stacy, K. M., Lough, M. E. (2020). Priorities in critical care nursing (8th Ed.): **Chapter 26 – Shock, Sepsis, and Multiple Organ Dysfunction syndrome; Chapter 27 (pp. 503 - 509) Hematologic Disorders**

Unit 10: Emergency and Disaster Nursing: Environmental Emergencies: Family & Interpersonal Violence (IPV), Violence in the Workplace.

Unit Student Learning Outcomes

Upon completion of this unit, the student will:

10. Examine the pathophysiology and clinical management of adult patients in emergency and disaster nursing, environmental emergencies, family and IPV.
11. Apply the nursing process in the care of adult patients in emergency and disaster nursing,

- environmental emergencies, family and IPV to achieve, improve, or maintain an optimal level of wellness.
12. Utilize the principles of critical thinking, problem solving and clinical judgment in the performance of evidence based, advanced nursing skills while caring for adult patients in emergency and disaster nursing, environmental emergencies, family and IPV.
 13. 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 patients in emergency and disaster nursing, environmental emergencies, family and IPV.
 14. Examine the roles of the associate degree nurse in caring for adult patients in emergency and disaster nursing, environmental emergencies, family and IPV.
 15. Utilize effective communication with culturally and spiritually diverse adult patients, their families, and members of the health care team in emergency and disaster nursing, environmental emergencies, family and IPV.
 16. Apply principles of patient care management in the care of adult patients in emergency and disaster nursing, environmental emergencies, family and IPV.
 17. Apply principles of patient safety in the care of adult patients with complex healthcare needs and their families in emergency and disaster nursing, environmental emergencies, family and IPV.
 18. Utilize clinical data and current literature as a basis for decision making in the care of adult patients in emergency and disaster nursing, environmental emergencies, family and IPV.
 19. Examine the role of the nurse in recognizing and addressing workplace violence.

Learning Content

- XVII. Violence – Nursing & Interprofessional Management
 - A. Abuse, Rape, and Sexual Assault
 - B. Workplace Violence
- XVIII. Care of the Emergency Patient – Nursing & Interprofessional Management
 - A. Triage
 - B. Primary Survey
 - C. Secondary Survey
 - D. Acute Care & Evaluation
 - E. Cardiac Arrest
 - F. Death in the ER
- XIX. Environmental Emergencies – Nursing and Interprofessional Management
 - A. Heat related emergencies
 - B. Cold related emergencies
 - C. Submersion injuries
 - D. Stings and bites
 - E. Poisoning
- XX. Mass Casualty Incidents / Terrorism – Nursing and Interprofessional Management

Recommended Reading / Activities:

- Bristol, T. J., Herrman, J. W., & Stephenson, W. (2019). NurseThink for students NCLEX-RN conceptual review guide: **p. 430 – Trauma: Abuse, rape, and sexual assault. Crisis Management**
- Lewis, S. L. Bucher, L, Heitkemper, M. M., & Harding, M. M., Kwong, J. and Roberts, D. (2017). Medical-surgical nursing: Assessment and management of clinical problems (11th Ed.). St. Louis: Elsevier. (Previously required) **Chapter 53, Sexual Assault - pp 1249 & 1250; Chapter 68 – Emergency and Disaster Nursing –**

Appendices

Appendix 1 Evidence-Based Poster Presentation Rubric

| | Needs Improvement | Satisfactory | Competent |
|--|---|---|---|
| Sources cited using Apa format | 0-5 points: 0-1 citations not following criteria. | 5.1 - 10 points: Cites 1 to 3 sources (from professional, peer-reviewed journal) Other citations must be from a professional or national recognized site. | 10.1 –15 points: Cites at least 4 sources (minimum of 2 professional, peer-reviewed journals). Other citations must be from a professional or nationally recognized site. |
| Appearance (follows Power point template) | 0 points: Did not follow the PPT template and presentation guidelines | 1- 10 points: Modified the PPT template and/or exceeded the one poster page. | 10.1 – 15 points: Followed the PPT template and kept presentation to the one poster page. |
| Grammar | 0 – 3 points: Did not use APA format, spelling, and grammar with greater than 10 errors. | 3.1 – 7 points: Use of APA format, spelling, and grammar with 3-9 errors. | 7.1 – 10 points: Use of APA format, spelling, and grammar with fewer than 3 errors. |
| Nursing Roles and Responsibilities | 0-10 points: Presented less than 2 roles and responsibilities of the nurse when implementing the EBP | 10.1 – 20 points: Presented 2-3 roles and responsibilities of the nurse when implementing the EBP. | 20.1 – 25 points: Presented at least 4 roles and responsibilities of the nurse when implementing the EBP |
| Expected patient outcomes from utilizing the EBP | 0-3 points: Did not address patient centered outcomes. | 3- 10 points: Presented 1 patient-centered outcome | 10 – 20 points: Presented at least 2 patient centered outcomes |
| Presentation | 0-5 points: Presentation less than 5 minutes; poor eye contact (read from notes consistently); group unprepared; could not hear presentation. | 5.1 - 10 points: Presentation 5-7 minutes; Eye contact inconsistent (read from notes frequently); difficult to hear presentation. | 10.1 – 15 points: Presentation 7 to 12 minutes; maintained eye contact; voice project so all could hear. |
| | | Total Points | 100 |

Appendix 2 Discussion Board Rubric

| | Below Expectations | Needs Improvement | Meets Expectations |
|------------------|--|--|---|
| Ethical Issues | 0 to 1.3333 points Addresses 1 or less ethical issues for the identified problem | 1.6667-2.333 points Addresses 2-3 ethical issues for the identified problem | 2.6667 – 3.33 points Addresses 3-4 ethical issues for the identified problem |
| Legal Issues | 0 to 1.3333 points Addresses 1 or less legal issues for the identified problem | 1.6667-2.333 points Addresses 2-3 legal issues for the identified problem | 2.6667 – 3.33 points Addresses 3-4 legal issues for the identified problem |
| Financial Issues | 0 to 1.3333 points Addresses 1 or less financial issues for the identified problem | 1.6667-2.333 points Addresses 2-3 financial issues for the identified problem | 2.6667 – 3.33 points Addresses 3-4 financial issues for the identified problem |
| Participation | 0 points Does not comment/respond to any posts. | 2 points Posts one original post and comments/responds to one other student's post. | 5 points Posts one original post and comments/responds to two other student's posts. |

Total points possible: 15