

Lassen Community College Course Outline

NURS 2 - Medical Surgical I

3 Units

I. Catalog Description

This is the first medical surgical nursing course in a series of four devoted to learning the professional aspects of therapeutic nursing care. The focus is on the key concepts in the care of patient's health, illness and medical/surgical conditions utilizing the nursing process of young, middle, and older adults. Also included is the role of patient advocate and manager of care, utilizing principles of therapeutic communication, nutrition, culture, client abuse prevention and reporting, and implicit bias. This course includes 34 hours of medical/surgical instruction and 17 hours of instruction related to geriatric populations. This is a web-enhanced course; computer and internet access are required. Students must complete all course hours and assignments as required. Students must receive 75% on their final as well as in the course to remain in the nursing program. NURS 2 is offered as a concurrent course with NURS 1, NURS 3, and NURS 4 during the first semester of the program. A course grade of D or below will result in failure in all concurrent courses. Students must be accepted into the Lassen Community College Registered Nursing Program.

Diversity statement

Our commitment to diversity requires that we strive to eliminate barriers to equity and that we act deliberately to create a safe and inclusive environment where individual and group differences are valued and leveraged for the growth and understanding as an educational community.

Prerequisites:

Prerequisite(s): Microbiology with all Lab (BIOL 20), Human Anatomy with a Lab (BIOL 21), Human Physiology with a Lab (BIOL 22), College Composition (ENGL 1), Elementary Statistics (MATH 40), all completed with a grade of C or better.

Corequisite(s): Pharmacology (NURS 1), Clinical Practice I (NURS 3), Nursing Lab I (NURS 4)

Transfer Status: CSU

51 Hours lecture, 102 hours out-of-class: 153 Total Hours of Student Learning

Scheduled: Fall

II. Coding Information

Repeatability: Non-Repeatable

Grading Option: Graded

Credit Type: Credit - Degree Applicable/Credit

TOP Code: 1230.10

III. Course Objectives

A. Course Student Learning Outcomes

Upon completion of this course the student will be able to:

1. Compare and contrast the normal physiology of body systems to pathologic variations.

2. Assess, analyze, and prioritize the needs of an adult with chronic illness using the nursing process.
3. Differentiate various communication techniques used to develop nurse/patient and healthcare team relationships.

B. Course Objectives

Upon completion of this course the student will be able to:

1. Summarize the nursing process in the care of the patient through health promotion, illness prevention and treatment.
2. Classify priorities in the care of patients with alterations in health using the following applicable concepts: fundamentals of nursing, perioperative concepts, respiratory function, cardiovascular function, hematologic function, immunological function, and musculoskeletal function.
3. Examine the pharmacologic, nutritional, developmental, and teaching needs of the patient with alterations in health.

IV. Course Content

A. Outline of Topics

1. Principles of Nursing Practice
 - a. Professional Nursing Practice
 - b. Medical Surgical Nursing
 - c. Health Education and Health Promotion
 - d. Adult Health and Physical, Nutritional, and Cultural assessment
 - e. Stress and Inflammatory Responses
 - f. Genetics and Genomics in Nursing
 - g. Disability and Chronic Illness
 - h. Management of the Older Adult Patient
 - i. Therapeutic Communication
 - j. Nutrition
 - k. Culture
 - l. Client abuse prevention and reporting
 - m. Implicit Bias
2. Concepts and Principles of Patient Management
 - a. Pain Management
 - b. Fluid and Electrolytes
 - c. Shock, Sepsis, and Multiple Organ Dysfunction Syndrome
 - d. Management of Patients with Oncologic Disorders
 - e. Palliative and End-of-Life Care
3. Perioperative Concepts and Nursing Management
 - a. Perioperative Nursing Management
 - b. Intraoperative Nursing Management
 - c. Postoperative Nursing Management
4. Gas Exchange and Respiratory Function
 - a. Assessment of Respiratory Function
 - b. Introduction of patients with Upper Respiratory Tract Disorders
 - c. Introduction of patients with Chest and Lower Respiratory Tract Disorders
 - d. Introduction of patients with Chronic Pulmonary Disease

- e. Geriatric Considerations
- 5. Cardiovascular and Circulatory Function
 - a. Assessment of Cardiovascular Function
 - b. Introduction of patients with Arrhythmias and Conduction Problems
 - c. Introduction of patients with Coronary Vascular Disorders
 - d. Introduction of patients with Structural, Infectious, and Inflammatory Cardiac Disorders
 - e. Geriatric Considerations
- 6. Hematologic Function
 - a. Assessment of Hematologic Function and Treatment Modalities
 - b. Introduction of patients with Nonmalignant Hematologic Disorders
 - c. Introduction of patients with Hematologic Neoplasms
 - d. Geriatric Considerations
- 7. Immunologic Function
 - a. Assessment of immune function
 - b. Assessment and management of patients with Allergic Disorders
 - c. Geriatric Considerations
- 8. Musculoskeletal Function
 - a. Assessment of Musculoskeletal Function
 - b. Management of patients with Musculoskeletal Disorders
 - c. Geriatric Considerations

B. Link to Nursing Practice

- 1. Management of Care
 - a. Concepts covered in general, covered in NURS 5
- 2. Safety and Infection Control
 - a. Assess client for allergies and intervene as needed
 - b. Assess client care environment Promote staff safety
 - c. Protect client from injury
 - d. Properly identify client when providing care
 - e. Verify appropriateness and accuracy of a treatment order
 - f. Participate in emergency planning and response
 - g. Use ergonomic principles when providing care
 - h. Follow procedures for handling biohazardous and hazardous materials
 - i. Educate client on safety issues
 - j. Acknowledge and document practice errors and near misses Report, intervene, and/or escalate unsafe practice of health care personnel (e.g., substance abuse, improper care, staffing practices)
 - k. Facilitate appropriate and safe use of equipment
 - l. Follow security plan and procedures (e.g., newborn security, violence, controlled access)
 - m. Apply principles of infection prevention (e.g., hand hygiene, aseptic technique, isolation, sterile technique, universal/standard enhanced barrier precautions)
 - n. Educate client and staff regarding infection prevention measures
 - o. Follow requirements when using restraints
- 3. Health Promotion and Maintenance

- a. Concepts covered in general, covered in NURS 6.
- 4. Psychosocial Integrity
 - a. Concepts covered in general, covered in NURS 9 and NURS 13.
- 5. Basic Care and Comfort
 - a. Assist client to compensate for a physical or sensory impairment (e.g., assistive devices, positioning)
 - b. Assess and manage client with an alteration in bowel and bladder elimination
 - c. Perform irrigations (e.g., of bladder, ear, eye)
 - d. Perform skin assessment and implement measures to maintain skin integrity
 - e. Apply, maintain, or remove orthopedic devices
 - f. Implement measures to promote circulation (e.g., active or passive range of motion, positioning and mobilization)
 - g. Assess client for pain and intervene as appropriate
 - h. Recognize complementary therapies and identify potential benefits and contraindications (e.g., aromatherapy, acupressure, supplements)
 - i. Provide non-pharmacological comfort measures
 - j. Evaluate the client's nutritional status and intervene as needed Provide client nutrition through tube feedings
 - k. Evaluate client intake and output and intervene as needed
 - l. Assess client performance of activities of daily living and assist when needed
 - m. Perform post-mortem care
 - n. Assess client sleep/rest pattern and intervene as needed
- 6. Pharmacological and Parenteral Therapies
 - a. Perform calculations needed for medication administration
 - b. Evaluate client response to medication
 - c. Educate client about medications
 - d. Review pertinent data prior to medication administration (e.g., contraindications, lab results, allergies, potential interactions)
 - e. Prepare and administer medications using rights of
 - f. Participate in medication reconciliation process medication administration
 - g. Dispose of medications safely
 - h. Handle and maintain medication in a safe and controlled environment
 - i. Evaluate appropriateness and accuracy of medication order for client
- 7. Reduction of Risk Potential
 - a. Assess and respond to changes and trends in client vital signs
 - b. Perform testing within scope of practice (e.g., electrocardiogram, glucose monitoring)
 - c. Monitor the results of diagnostic testing and intervene as needed
 - d. Obtain specimens other than blood for diagnostic testing
 - e. Apply and/or maintain devices used to promote venous return (e.g., anti-embolic stockings, sequential compression devices)
- 8. Physiological Adaptation
 - a. Concepts covered in general, covered in NURS 9 and NURS 13.

V. Assignments

A. Appropriate Readings

- Nursing Journals
- Case Study
- Instructor Handouts

B. Writing Assignments

- Handwritten drug cards
- Written essay

C. Expected Outside Assignments

- Mastery level of 4 on the CoursePoint
- Group Projects
- Students will be required to complete two hours of outside-of-class homework for each hour of lecture.

Specific Assignments that Demonstrate Critical Thinking

- Handwritten drug cards
- Case Study
- Mastery level of 4 on the CoursePoint

VI. Methods of Evaluation

List general evaluation methods (i.e., mixed format exams, participation, written essays, oral and listening exams)

- Participation
- Written essay
- Handwritten drug cards
- Mastery level 4 on the CoursePoint
- Midterm
- Final with a grade of 75% or above

VII. Methods of Delivery

Check those delivery methods for which this course has been separately approved by the Curriculum/Academic Standards Committee.

X	Traditional Classroom Delivery		Correspondence Delivery
	Hybrid Delivery		Online Delivery

Traditional Classroom Delivery

Lecture, discussion, audio/visual aids, demonstration, group exercises, guest speakers, lab, individualized programs and other as needed.

VIII. Representative Texts and Supplies

Required

Craig, G. P. (2020). *Clinical calculations made easy* (7th ed.). Wolters Kluwer. ISBN:

9781975103736

Hinkle, J.L., Cheever, K.H., & Overbaugh, K.J. (2022). *Brunner and Suddarth's Textbook of medical-surgical nursing* (15thed). Wolters Kluwer. ISBN: 978-1-9751-6103-3
- CoursePoint access required

Karch, A. M. (2020). *Focus on nursing pharmacology* (8th ed.). Wolters Kluwer. ISBN: 978-1-9751-0096-4
-CoursePoint access required

Vallerand, A.H., & Sanoski, C.A. (2023). *Davis's drug guide for nurses* (18th ed.). F.A. Davis. ISBN: 978-1719646406

Recommended

American Psychological Association. (2020). *Publication manual of the American Psychological Association* (7th ed.). American Psychological Association. ISBN: 978-1-4338-3215-4

IX. Discipline/s Assignment

Nursing

X. Course Status

Current Status: Active

Original Approval Date: 10/04/2022

Course Originator:

Board Approval Date: 11/08/2022

Chancellor's Office Approval Date: 12/07/2022

Revised By: Heidi Gray, Christi Myers, Celeste Wiser

Curriculum/Academic Standards Committee Revision Date: 10/3/2023