Lassen Community College Course Outline

NURS 15 Nursing Lab IV 1.0 Units

I. Catalog Description

This course is designed to reinforce advanced skills and facilitate learning of fourth-semester medication administration including intravenous routes, behavioral health nursing care, and leadership/management skills. Students will utilize individualized, peer, group, and computer-mediated instruction. Incorporates cognitive, technical, interpersonal, and ethical/legal skills into safe and effective person-centered care. Skills performed in the nursing laboratory on campus facilitate the transfer of knowledge from the classroom to the clinical setting. Must pass intravenous drips dosage calculation test with 100%. The State of California requires that this course maintain an instructor-to-student ratio of 1/10. 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 15 is offered as a concurrent course with NURS 13, NURS 14, NURS 16, and NURS 17 during the fourth 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

Diversity and inclusion are fundamental pillars of the Lassen Community College Health Science & Medical Technology programs. We are dedicated to cultivating an environment where all individuals feel respected, valued, and empowered. By embracing diverse perspectives and promoting an inclusive culture, we aim to foster the development of healthcare professionals who are culturally aware and equipped to provide compassionate, equitable care to diverse populations and communities.

Prerequisites: Acceptance into the Registered Nursing Program and Pharmacology (NURS 1), Medical Surgical I (NURS 2) Clinical Practice I (NURS 3), Nursing Lab I (NURS 4), Medical Surgical II (NURS 5), Introduction to Maternal Child (NURS 6), Clinical Practice II (NURS 7), Nursing Lab II (NURS 8), Medical Surgical III (NURS 9), Advanced Maternal Child (NURS 10), Clinical Placement III (NURS 11), Nursing Lab III (NURS 12)all completed with a grade of C or better.

Corequisite(s): Medical Surgical IV (NURS 13), Clinical Practice IV (NURS 14), Registered Nursing Comprehensive Review (NURS 16), Management and Leadership (NURS 17).

Additional Course Information

- CSU only
- 51 Hours of Clinical: 51 Total Hours of Student Learning
- Fall, Odd

II. Coding Information

Repeatability: Not Repeatable
Grading Option: Graded only
Credit Type: Credit - Degree Applicable
TOP Code: 1230.10

III. Course Objectives

A. Course Student Learning Outcomes

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

1. Analyze evidence-based nursing care in simulation for behavioral health patients.
2. Prioritize multiple patients' needs across the lifespan using a variety of advanced skills using high-fidelity simulation.
3. Perform high-stake selected procedures safely and accurately in a low-risk environment.
4. Demonstrate intravenous medication administration safely in a simulated environment using the 7 rights and 3 checks.

B. Course Objectives

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

1. Demonstrate competency in simulated scenarios by using advanced nursing skills and interventions utilizing principles of safety.
2. Differentiate normal and abnormal assessment findings in a comprehensive physical assessment in medical/surgical and behavioral health patients.
3. Distinguish the need for nursing staff to deliver safe patient care utilizing different leadership and management styles.

IV. Course Content

A. Outline of Topics

1. Oxygenation
    a. Suctioning an endotracheal tube: open and close system
    b. Securing an endotracheal tube
2. Fluid, Electrolyte and Acid-Base Balance
    a. Administering a blood transfusion
    b. Changing the dressing and flushing the central venous access device
    c. Blood Collection from a central venous access device
    d. Accessing and de-accessing an implanted port
    e. Removing a peripherally central catheter
3. Cardiovascular
    a. Performing emergency manual external defibrillation
    b. Using transcutaneous external pacemaker
    c. Obtaining an arterial blood sample from an arterial catheter
    d. Removing peripheral arterial catheter
4. Neurological
    a. Caring for a patient with an external ventriculostomy
    b. Caring for a patient with a fiber optic intracranial catheter
5. Laboratory Specimen Collection
    a. Using venipuncture to collect a venous blood sample

b. Obtaining a venous blood specimen for culture and sensitivity
c. Obtaining an arterial blood specimen for blood gas analysis

6. Calculating and administering high risk medications
7. Behavior Health
   a. Therapeutic Relationship
   b. Clients Response to Illness
      i. Interpersonal Factors
      ii. Cultural Factors
   c. Assessment
      i. Factors influencing an interview
      ii. How to conduct an interview
      iii. Data Analysis
      iv. Mental Status Examination
      v. Physical Examination
   d. Legal Considerations
      i. Rights of clients
   e. Ethical Dilemmas
   f. Grief and Loss
   g. Abuse and Violence
   h. Suicide
   i. Trauma and Stressor Related Disorders
   j. Alcohol and Chemical Dependency
   k. Appropriate Medication Administration and Education

B. Link to Nursing Practice

1. Management of Care
   a. Continue practice of all concepts taught in NURS 5.
2. Safety and Infection Control
   a. Continue practice of all concepts taught in NURS 2.
3. Health Promotion and Maintenance
   a. Continue practice of all concepts taught in NURS 6.
4. Psychosocial Integrity
   a. All past taught concepts and:
      i. Assess client for abuse or neglect and report, intervene, and/or escalate
      ii. Incorporate behavioral management techniques when caring for a client
      iii. Assess client for substance abuse and/or toxicities and intervene as appropriate (e.g., dependency, withdrawal)
      iv. Assess client's ability to cope with life changes and provide support
      v. Assess the potential for violence and use safety precautions
      vi. Incorporate client cultural practices and beliefs when planning and providing care
      vii. Assess client support system to aid in plan of care
      viii. Provide care for a client experiencing grief or loss
      ix. Provide care and education for acute and chronic psychosocial health issues (e.g., addictions/dependencies, depression, dementia, eating disorders)
      x. Assess psychosocial factors influencing care and plan interventions (e.g., occupational, spiritual, environmental, financial)
      xi. Provide appropriate care for a client experiencing visual, auditory, and/or cognitive alterations

xii. Recognize non-verbal cues to physical and/or psychological stressors

5. Basic Care and Comfort
   a. Continue practice of all concepts taught in NURS 2.
6. Pharmacological and Parenteral Therapies
   a. Continue practice of all concepts taught in NURS 2 and NURS 10.
7. Reduction of Risk Potential
   a. Continue practice of all concepts taught in NURS 2 and NURS 5 with the additions of the following:
      i. Obtain blood specimens
      ii. Insert, maintain, or remove a peripheral intravenous line
      iii. Maintain percutaneous feeding tube
      iv. Use precautions to prevent injury and/or complications associated with a procedure or diagnosis
      v. Provide preoperative and postoperative education
      vi. Provide preoperative care
      vii. Manage client during a procedure with moderate sedation
      viii. Manage client following a procedure with moderate sedation
8. Physiological Adaptation
   a. Continue practice of all concepts taught in NURS and with the additions of the following:
      i. Assist with invasive procedures (e.g., central line, thoracentesis, bronchoscopy)
      ii. Implement and monitor phototherapy
      iii. Maintain optimal temperature of client
      iv. Monitor and care for clients on a ventilator
      v. Perform and manage care of client receiving peritoneal dialysis
      vi. Provide postoperative care Manage the care of the client with a fluid and electrolyte imbalance
      vii. Monitor and maintain arterial lines
      viii. Manage the care of a client with a pacing device
      ix. Manage the care of a client receiving hemodialysis or continuous renal replacement therapy
      x. Manage the care of a client with alteration in hemodynamics, tissue perfusion, and hemostasis
      xi. Manage the care of a client with impaired ventilation/oxygenation

V. Assignments

A. Appropriate Readings

1. Instructor Handouts
2. Journal Articles

C. Writing Assignments

1. Handwritten drug cards
2. Written Lab Reflections

D. Expected Outside Assignments

1. vSim – Virtual Simulations

E. Specific Assignments that Demonstrate Critical Thinking

1. vSim – Virtual Simulations

2. Documentation
3. Handwritten drug cards

VI. Methods of Evaluation

Traditional Evaluation

Participation, skills checkoff, simulation, vSim – virtual simulations, documentation, must pass intravenous drips dosage calculation test with 100%., skills final, computerized Final

VII. Methods of Delivery

☒ 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

1. Wolters Kluwer Lippincott Textbook Access Fee (Collected in NURS14)
2. Vallerand, A.H., & Sanoski, C.A. (2024). Davis's Drug Guide for Nurses (19th Ed.). F.A. Davis. ISBN:978-1719650038

IX. Course Status

1. Current Status: Active
2. Original Approval Date: 10/04/2022
3. Course Originator: Heidi Gray, Christi Myers, Celeste Wiser
4. Board Approval Date: 04/08/2025
5. Chancellor's Office Approval Date: 04/16/2025
6. Revised By: Heidi Gray, Christi Myers, Celeste Wiser
7. Curriculum/Academic Standards Committee Revision Date: 03/31/2026