

Lassen Community College Course Outline

NURS 15 Nursing Lab IV

1 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

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): 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).

Transfer Status: CSU

51 Hours of Laboratory: 51 Total Student Learning Hours

Scheduled: Spring

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. 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.

Course Objectives

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. Trauma and Stressor Related Disorders
- i. Suicide
- 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:
 - b. Assess client for abuse or neglect and report, intervene, and/or escalate
 - c. Incorporate behavioral management techniques when caring for a client
 - d. Assess client for substance abuse and/or toxicities and intervene as appropriate (e.g., dependency, withdrawal)
 - e. Assess client's ability to cope with life changes and provide support
 - f. Assess the potential for violence and use safety precautions
 - g. Incorporate client cultural practices and beliefs when planning and providing care
 - h. Assess client support system to aid in plan of care
 - i. Provide care for a client experiencing grief or loss
 - j. Provide care and education for acute and chronic psychosocial health issues (e.g., addictions/dependencies, depression, dementia, eating disorders)
 - k. Assess psychosocial factors influencing care and plan interventions (e.g., occupational, spiritual, environmental, financial)
 - l. Provide appropriate care for a client experiencing visual, auditory, and/or cognitive alterations
 - m. 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:
 - b. Obtain blood specimens
 - c. Insert, maintain, or remove a peripheral intravenous line
 - d. Maintain percutaneous feeding tube
 - e. Use precautions to prevent injury and/or complications associated with a procedure or diagnosis
 - f. Provide preoperative and postoperative education
 - g. Provide preoperative care
 - h. Manage client during a procedure with moderate sedation
 - i. 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:
 - b. Assist with invasive procedures (e.g., central line, thoracentesis, bronchoscopy)
 - c. Implement and monitor phototherapy
 - d. Maintain optimal temperature of client
 - e. Monitor and care for clients on a ventilator
 - f. Perform and manage care of client receiving peritoneal dialysis
 - g. Provide postoperative care Manage the care of the client with a fluid and electrolyte imbalance
 - h. Monitor and maintain arterial lines
 - i. Manage the care of a client with a pacing device
 - j. Manage the care of a client receiving hemodialysis or continuous renal replacement therapy
 - k. Manage the care of a client with alteration in hemodynamics, tissue perfusion, and hemostasis
 - l. Manage the care of a client with impaired ventilation/oxygenation

V. Assignments

A. Appropriate Readings

- Instructor Handouts
- Journal Articles

B. Writing Assignments

- Handwritten drug cards
- Written Lab Reflection

C. Expected Outside Assignments

- vSim – Virtual Simulations

Specific Assignments that Demonstrate Critical Thinking

- vSim – Virtual Simulations
- Documentation
- Handwritten drug cards

VI. Methods of 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

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

Eliopoulos, C. (2022). *Gerontological Nursing* (10th ed.). Wolters Kluwer. ISBN: 978-1-9751-6100-2

Fischbach, F. T., Fischbach, M. A., & Stout, K. (2021). *Fischbach's A manual of laboratory and diagnostic tests* (11th ed.). Philadelphia, PA: Lippincott Williams & Wilkins. ISBN: 978-1975173425

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

- CoursePoint access required

Hinkle, J. L., Cheever, K. H., & Overbaugh, K. J. (2022). *Brunner & Suddarth's textbook of medical-surgical nursing* (15th ed.). Wolters Kluwer. ISBN: 978-1-9751-6103-3

- CoursePoint access required

Lynn, P. (2019). *Taylor's clinical nursing skills: A nursing process approach* (5th ed.). Wolters Kluwer. ISBN: 9781496384881

- CoursePoint access required

Silbert-Flagg, J. (2023). *Maternal & child health nursing; Care of the childbearing & childrearing*

family (9th ed.). Wolters Kluwer. ISBN: 9781975161088.

- CoursePoint access required

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

Videbeck, S. L. (2020). *Psychiatric-mental health nursing* (8th ed.). Wolters Kluwer. ISBN: 978-1-975116-37-8

- CoursePoint access required

Weber, J.R. & Kelley, J.H. (2022). *Health assessment in nursing* (7th ed.). Wolters Kluwer. ISBN: 978-1-9751-6115-6.

- CoursePoint access required

Required Uniform & Supplies Included in Lab Fee in RN (Fee collected in RN 3)

1. Lassen Community College Nursing Uniforms
2. Nursing Kit
 - i. Nursing Pocket Pack
 - ii. Medical Scissors
 - iii. Pen Light
 - iv. Stethoscope
3. Liability Insurance

Required Uniform & Supplies NOT Included in Lab Fee

1. Non-slip cleanable nursing shoes (White)
2. Analog watch with second hand (no digital)
3. 2-inch binder with 24 dividers

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 Wisser

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