

DEPARTMENT OF NURSING
NUR 3312
Introduction to Patient Centered Concepts Across the Lifespan
Laboratory & Simulation Syllabus
Fall 2026 Junior Year

Clinical Hours: One (1) Credit Hour

Clinical Contact Hours: 4 Clock Hours/Week

LEVEL: Junior

PREREQUISITES:

Admission to the Nursing Program and Successful Completion of Summer Courses

FACULTY INFORMATION:

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Office Hours:

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COURSE DESCRIPTION:

The laboratory and simulation component of NUR 3312 provides beginning nursing students with structured opportunities to apply selected behavioral and pathophysiological concepts to patient-care situations across the lifespan. Basic nursing activities are introduced through faculty demonstration, guided practice, simulation, return demonstration, debriefing, and Concept-Based Clinical Competencies. Laboratory experiences progress from safety, communication, vital signs, comfort, mobility, nutrition, tissue integrity, and infection prevention to glucose monitoring, subcutaneous insulin administration, fluid and electrolyte assessment, oxygenation, perfusion, and integrated patient care.

STUDENT LEARNING OUTCOMES:

Each student enrolled in this laboratory and simulation component will be expected to meet course objectives presented within the framework of the NUR 3312 course outcomes. Upon completion, the student will:

MEMBER OF THE PROFESSION

1. Demonstrate professional behavior, preparation, accountability, and confidentiality in the skills and simulation laboratory.
2. Engage in self-evaluation, reflection, and debriefing to appraise and improve beginning nursing practice.
3. Use evidence-based safety principles and remain within the student nurse role and level of preparation.

PROVIDER OF PATIENT-CENTERED CARE

1. Perform beginning nursing assessments and psychomotor skills using a systematic patient-centered approach.
2. Relate weekly concepts to assessment findings, diagnostic data, nursing actions, and patient

responses in laboratory and simulation scenarios.

3. Demonstrate beginning medication-administration skills, including safe subcutaneous insulin preparation and administration.
4. Apply growth and development, cultural, psychosocial, and physiologic considerations to simulated patient care across the lifespan.

PATIENT SAFETY ADVOCATE

1. Identify actual and potential safety risks before, during, and after nursing interventions.
2. Use patient identification, hand hygiene, standard precautions, medication rights, equipment safety, and appropriate reassessment during laboratory activities.

MEMBER OF THE HEALTH CARE TEAM

1. Use therapeutic communication and appropriate nursing terminology with patients, peers, and faculty.
2. Communicate patient findings and changes in condition using organized reporting such as SBAR.
3. Participate appropriately in team roles during simulation and contribute to debriefing.

LABORATORY AND SIMULATION LEARNING ACTIVITIES:

Students will prepare for laboratory activities by completing assigned readings and pre-lab preparation. Skills and simulation activities will be taught in concert with the weekly concept and Concept-Based Clinical Competency. Experiences will flow from simple to more complex learning activities and may include faculty demonstration, guided practice, return demonstration, case study, simulation, documentation, and debriefing.

Open communication with the mannequin and standardized patient environment provides opportunities to practice verbal and non-verbal communication skills before communicating with patients. Simulation scenarios will assist students in acquiring, organizing, and interpreting patient data and planning individualized nursing care.

LABORATORY EXPECTATIONS:

- Arrive on time and prepared with required pre-lab work and supplies.
- Wear required nursing-program attire and identification as directed by faculty.
- Follow all laboratory, simulation, infection-prevention, sharps, and equipment-safety guidelines.
- Maintain confidentiality of simulation scenarios and demonstrate respectful professional communication.
- Participate actively in prebriefing, skill practice, simulation, debriefing, and assigned remediation.
- Students must demonstrate required skills at the level designated by faculty before performing those skills in the clinical setting.

SKILLS COMPETENCY AND REMEDIATION:

Competency evaluation is based on safe performance, correct sequencing, communication, clinical reasoning, documentation, and reassessment. A critical safety error may require the skill to be stopped and remediated before repeat validation. Faculty will identify required remediation and the timeframe for reassessment. A Final Skills Competency Assessment will be completed during finals week as designated in the NUR 3312 course schedule.

INSULIN ADMINISTRATION COMPETENCY:

Insulin administration will be taught with the Metabolism/Hyperglycemia concept. Students will use simulation-only supplies and will be expected to demonstrate the following:

- Verify the provider order, patient identifiers, allergies, current blood-glucose result, meal status, and ordered parameters.
- Apply the rights of medication administration and recognize insulin as a high-alert medication.
- Identify the ordered insulin and determine the correct simulated dose from a scheduled or correction-scale order.

- Select the correct insulin syringe/device and accurately prepare the ordered dose.
- Complete the required independent double-check according to faculty/program expectations.
- Select and rotate an appropriate subcutaneous injection site and use correct injection technique.
- Dispose of sharps safely and document the simulated administration.
- Recognize signs and symptoms of hypoglycemia and hyperglycemia, state appropriate nursing actions, and reassess the patient.

COURSE SCHEDULE:

Course orientation and introduction to laboratory expectations. Skills and Simulation Lab experiences prepare students for practicing beginning nursing skills in various clinical settings. This schedule is subject to change by faculty as needed.

NURS 3312 Laboratory & Simulation Schedule

(This schedule is subject to change by faculty as needed.)

Week Module	Topics & Objectives	Required Readings & References	Learning Activities, Assignments, & Submission Dates
Week 1 Module 1 8/24-8/28	Introduction to Course Concept Analysis: Safety Objectives: 1. Relate laboratory activities to weekly concepts. 2. Identify safety expectations and laboratory resources. 3. Demonstrate hand hygiene, patient identification, PPE, and basic environmental safety.	1. NUR 3312 Syllabus 2. Student Handbook 3. ATI Fundamentals Chapters 12-13	LEARNING ACTIVITIES: 1. Skills and simulation laboratory orientation. 2. Treasure Hunt. 3. Hand hygiene and PPE demonstration/practice. 4. Patient identification and environmental safety. 5. Debrief.
Week 2 Module 2 8/31-9/4	Communication Objectives: 1. Differentiate therapeutic and non-therapeutic communication. 2. Demonstrate active listening. 3. Use beginning SBAR communication.	1. ATI Fundamentals Chapter 32 2. ATI Engage: Communication	1. Therapeutic communication practice. 2. Patient interview and privacy. 3. SBAR introduction. 4. Communication simulation and debrief.
Week 3 Module 3 9/8-9/11	Coping/Stress Response across the Life Span Objectives: 1. Recognize adaptive and maladaptive stress responses. 2. Perform a focused psychosocial assessment. 3. Apply therapeutic communication and safety principles.	1. ATI Fundamentals Chapter 33 2. ATI Engage: Coping	1. Focused psychosocial assessment. 2. Stress/anxiety scenario. 3. Skills Simulation Lab - demonstration, practice, and evaluation. 4. Debrief Simulation.
Week 4 Module 4 9/14-9/18	Comfort/Pain across the Life Span Objectives: 1. Perform five vital-sign skills. 2. Complete a pain assessment. 3. Select comfort interventions and reassess response.	1. Concept Analysis: Nociceptive Pain 2. ATI Fundamentals Chapters 41-42 3. ATI Engage: Comfort	1. Skills Lab - development of 5 vital sign skills; practice and evaluation. 2. Pain assessment and comfort measures. 3. Simulation Lab. 4. Debrief Simulation.
Week 5 Module 5 9/21-9/25	Metabolism/Hypermetabolism across the Life Span Objectives: 1. Assess nutrition and hydration needs.	Assigned Module and ATI resources from NUR 3312	1. Nutrition screening. 2. Intake/output and weight. 3. Eating assistance. 4. Hypermetabolism case application.

Week Module	Topics & Objectives	Required Readings & References	Learning Activities, Assignments, & Submission Dates
	2. Measure intake/output and weight. 3. Provide safe eating assistance.		5. Debrief.
Week 6 Module 6 9/28-10/2	Tissue Integrity/Inflammation across the Life Span Objectives: 1. Perform skin and wound assessment. 2. Identify pressure-injury risks. 3. Apply clean/aseptic principles.	1. ATI Fundamentals Chapter 56 2. ATI Engage: Tissue Integrity	1. Skin assessment. 2. Positioning and pressure-injury prevention. 3. Basic wound assessment. 4. Skills Simulation Lab - demonstration, practice, and evaluation. 5. Debrief.
Week 7 Module 7 10/5-10/9	Thermoregulation/Fever across the Life Span Objectives: 1. Measure temperature accurately. 2. Identify fever/hyperthermia cues. 3. Demonstrate safe mobility and transfer techniques.	ATI Engage: Thermoregulation and assigned course resources	1. Temperature methods. 2. Cooling/warming measures. 3. Mobility learning activities. 4. Simulation Lab. 5. Debrief Simulation.
Week 8 Module 8 10/12-10/16	Immunity/Immune-Suppression across the Life Span Objectives: 1. Apply infection-prevention principles. 2. Select appropriate precautions. 3. Demonstrate correct PPE sequence.	ATI Engage: Immunity and assigned course resources	1. Standard and transmission-based precautions. 2. PPE practice/evaluation. 3. Immunocompromised patient scenario. 4. Debrief.
Week 9 Module 9 10/19-10/23	Metabolism/Hyperglycemia across the Life Span Objectives: 1. Perform capillary blood-glucose testing. 2. Apply medication-administration rights. 3. Calculate, prepare, and administer simulated subcutaneous insulin safely. 4. Recognize hypo/hyperglycemia and reassess patient response.	1. ATI Adult Medical-Surgical Nursing Chapters 82-83 2. ATI Engage: Metabolism 3. Assigned medication/insulin resources	1. Blood-glucose monitoring. 2. Subcutaneous injection. 3. INSULIN ADMINISTRATION: order verification, dose calculation, preparation, site selection/rotation, administration, sharps safety, documentation. 4. Hyperglycemia simulation. 5. Insulin Administration Competency. 6. Debrief.
Week 10 Module 10 10/26-10/30	Fluid Balance/Hypovolemia across the Life Span Objectives: 1. Assess hydration and fluid balance. 2. Measure intake/output. 3. Obtain orthostatic vital signs and recognize hypovolemia cues.	1. ATI Fundamentals Chapter 57 2. ATI Engage: Fluid and Electrolyte Balance	1. Intake/output. 2. Hydration assessment. 3. Orthostatic vital signs. 4. Eating/drinking assistance. 5. Hypovolemia simulation and debrief.
Week 11 Module 11 11/2-11/6	Electrolyte Balance/Hypo-Hyperkalemia across the Life Span Objectives: 1. Recognize potassium-related assessment cues. 2. Relate laboratory values to patient findings.	1. ATI Fundamentals Chapter 58 2. ATI Engage: Fluid and Electrolyte Balance	1. Focused cardiac/neuromuscular assessment. 2. Laboratory-value recognition. 3. ECG-monitoring concepts. 4. Electrolyte simulation and

Week Module	Topics & Objectives	Required Readings & References	Learning Activities, Assignments, & Submission Dates
	3. Communicate abnormal findings using SBAR.		debrief.
Week 12 Module 12 11/9-11/13	Grief and Loss across the Life Span Objectives: 1. Demonstrate therapeutic end-of-life communication. 2. Incorporate cultural and spiritual considerations. 3. Provide comfort-focused nursing care.	ATI Engage: Grief and assigned course resources	1. End-of-life communication. 2. Comfort-care activities. 3. Grief/family simulation. 4. Debrief Clinical Experience. 5. Reflective Journal.
Week 13 Module 13 11/16-11/20	Acid-Base Balance/Acidosis across the Life Span Objectives: 1. Perform focused respiratory assessment. 2. Use pulse oximetry. 3. Recognize abnormal respiratory patterns and introductory acid-base cues.	1. ATI Adult Medical-Surgical Nursing Chapter 45 2. ATI Engage: Acid-Base Balance	1. Respiratory assessment. 2. Pulse oximetry. 3. Introductory ABG interpretation. 4. Acidosis simulation. 5. Debrief.
Week 14 Module 14 11/23-11/27	Oxygenation/Hypoxia-Hypoxemia across the Life Span Objectives: 1. Identify hypoxia/hypoxemia. 2. Apply oxygen-safety principles. 3. Initiate beginning oxygen interventions and reassess.	1. ATI Fundamentals Chapter 53 2. ATI Engage: Gas Exchange	1. Oxygen equipment: nasal cannula/simple mask. 2. Positioning, coughing/deep breathing. 3. Pulse oximetry. 4. Hypoxia simulation. 5. Oxygenation skill validation. 6. Debrief.
Week 15 Module 15 11/30-12/4	Perfusion/Hemostasis across the Life Span Objectives: 1. Perform focused perfusion assessment. 2. Recognize bleeding and clotting cues. 3. Integrate cumulative skills in patient care.	ATI Engage: Perfusion and assigned course resources	1. Peripheral pulse/perfusion assessment. 2. Bleeding precautions. 3. Integrated perfusion/hemorrhage simulation. 4. Cumulative skills review. 5. Prepare for Final Skills Competency Assessment.
Week 16 Module 16 12/7-12/11	Finals Week Objectives: Demonstrate safe, organized, beginning-level nursing care through cumulative skill performance.	Cumulative course and laboratory resources	1. Final Skills Competency Assessment. 2. Integrated final simulation/skills stations as assigned. 3. Remediation as directed by faculty.