

Syllabus for  
**NUR 301—Pharmacology I**  
3 Credit Hours  
Spring 2023

**I. COURSE DESCRIPTION**

Introduces pharmacologic agents and classifications. Addresses safe, patient-centered care as it relates to medication administration.

Prerequisites: NUR 230, 300, PHY 223, 224

Corequisites: NUR 206

**II. COURSE LEARNING OUTCOMES (CLOs)**

After completing this course successfully, students will be able to:

- A. Describe classifications and therapeutic uses of a variety of pharmacologic agents.
- B. Recognize safe nursing practice for the administration of pharmacologic agents and the monitoring of their effects.
- C. Discuss patient-centered education to promote safe use of pharmacologic agents.
- D. Explore medication-related nursing concerns using informatics and evidence-based practice data.
- E. Describe, from a Christian worldview and the ANA Code of Ethics point of view, select ethical and legal issues associated with the use of pharmacologic agents in healthcare.

**III. STUDENT LEARNING OUTCOMES FOR THIS COURSE**

See course lesson plan for weekly student learning outcomes (SLOs).

**IV. ASSOCIATED PROGRAM OUTCOMES**

This course meets degree completion requirements for the following program learning outcomes (PLOs):

- A. Integrate knowledge of liberal arts, sciences, theories, and concepts to provide safe, evidence-based, professional nursing care.
- B. Assume accountability for patient-centered, wholistic nursing care across the life span of diverse populations and settings.
- C. Utilize nursing judgment supported by best current evidence to prevent illness and promote, maintain, and restore health. Collaborate in a professional, culturally sensitive style in the delivery of healthcare.
- D. Collaborate in a professional, culturally sensitive style in the delivery of healthcare.
- E. Promote excellence in nursing through safe practices and quality improvement.
- F. Demonstrate a personal leadership style that integrates Christian principles, a global perspective, wholeness, ethical behavior, and cultural awareness.

**V. UNIVERSITY OUTCOMES**

This course primarily aligns with the following University Outcomes as indicated on the last page(s) or this syllabus:

- A. Spiritual Integrity

- B. Personal Resilience
- C. Intellectual Pursuit
- D. Global Engagement
- E. Bold Vision

## VI. TEXTBOOKS AND OTHER LEARNING RESOURCES

- A. Required Materials
 

Lilley, L. L., Rainforth Collins, S., & Snyder, J. S. (2022). *Pharmacology and the nursing process* (10<sup>th</sup> ed.). Elsevier.

Laptop

Nursing Drug Handbooks or Drug app (Students may use drugs.com cell phone app)
- B. Optional Materials
 

Vallerand, A. H., & Sanoski, C. A. (2022). *Davis's drug guide for nurses* (18<sup>th</sup> ed.). F. A. Davis Company.

## VII. POLICIES AND PROCEDURES

- A. School of Nursing Policies and Procedures
  - 1. **The current *ORU AVSON Undergraduate (BSN) Student Handbook* contains a complete list of School of Nursing policies.**
  - 2. **Attendance**
    - a. Orientation to nursing classes occurs the day prior to the first official day of class for the university. Attendance is mandatory.
    - b. The last day for students to add nursing classes is the first Monday following the university's date for the beginning of classes.
    - c. Students are expected to punctually attend and be prepared for all lectures, exams, simulated laboratories, and clinical practicums. In the event of an absence students must be aware that the following will apply:

Credit hours per class time	Number of absences not resulting in penalty	Grade Deduction
3	3	2% - starting with 4 <sup>th</sup> absence
2	2	3% - starting with 3 <sup>rd</sup> absence
1	1	4% - starting with 2 <sup>nd</sup> absence
<b><i>Each</i></b> additional absence will equate to a 1% deduction to the overall course grade.		

***Understand that 3 tardies equal an unexcused absence and excessive absences (approved or unapproved) will deny credit for the course. Tardy is defined as arriving to class late or leaving class before dismissed without prior approval from instructor.***

- d. The Associate Dean of the School of Nursing may request administrative excuses for absences from courses or Chapel when conflicts exist with scheduled learning experiences within the School of Nursing.
- e. Students are to discuss administratively excused absences with the course coordinator and confirm plans for meeting course objectives 48-business hours **prior to** the scheduled class, lab, or clinical.
- f. Make-up of exams is arranged only in the case of an excused class absence. Students must speak personally to the course coordinator prior **to** the test period if they are unable to take a scheduled exam. Absences are excused only for cases of documented illness or other crisis situations.

### 3. **Evaluation Procedures**

- a. The following rules for exams will be enforced:
  - Students will not be allowed to have or consume food or drinks in their testing area
  - All personal belongings including electronic devices (smart watches, ear buds, digital assistants, alternate tablets, or alternate laptops) should not be near the student during testing
  - Students should not have post-its, sticky notes, or labels, positioned on, near, or stuck to tablets or laptops during testing
  - Earplugs may be used when provided
- b. In order to successfully complete a nursing course, students must achieve at least 70% weighted average on module and final exams. (Quizzes and ATI exam scores are not included in this average.)
- c. Students must achieve a passing grade for clinical experiences and the 70% weighted average on module and final exams in order for paper and project grades to be included in the calculation of the final course score.
- d. The final course grade is calculated using the following grading scale:
  - A=90-100
  - B=80-89
  - C=70-79
  - D=60-69
  - F=59 and below
- e. Students are required to submit all assignments for course completion. Due dates of assignments are specified in the syllabus or course resources. Submitting assignments in a timely manner or making arrangements in case of emergency demonstrates the student's professional accountability and responsibility. Assignments submitted **late** will have points deducted as follows:
  - 1 business day: 10%
  - 2 business days: 20%
  - 3 business days: 30%

- 4 business days: A grade of zero will be given.
- f. Whole Person Assessment requirements: The College of Nursing, under a university-led initiative, is implementing a Whole Person Assessment system in D2L to evaluate students' achievement of academic outcomes. Each student is responsible for submitting Whole Person Assessment artifacts as described in course syllabi.
- g. Other Policies and/or Procedures:
  - All work is to be typewritten, unless specified otherwise, and submitted in APA format to the clinical instructor as specified.
  - All students are required to have an ORU email account and Internet access in order to complete course assignments. An email address is available through the University's information systems.

**B. Course Specific Policies and/or Procedures**

**1. Evaluation Procedures**

- a. Evaluation is based on achievement of stated course objectives.
- b. If a passing grade is achieved on the exam(s), the course grade for NUR 301 is based upon work in the following areas:

Weekly Unit Exams	45%
EBP Article	7%
Diagram	15%
Case Studies	5%
Med Sheets/Exemplars	8%
Comprehensive Final Exam	<u>20%</u>
<b>Total</b>	<b>100%</b>

**2. Whole Person Assessment Requirements**  
None

**3. ATI Exams**

- a. See ORU AVSON Undergraduate (BSN) Student Handbook for ATI Policy.
- b. No proctored ATI exams are scheduled to be administered in this course.

**4. Other Policies and/or Procedures**

- a. Exams – Weekly exams will cover information covered in class, any pre-recorded lectures, and taken largely from assigned readings. There may also be questions taken from activities done during class or lab.
- b. Written Assignments – There are written assignments within the course, including an evidence-based paper. Details as to what to address will be provided for each assignment and the submission will be graded according to an associated rubric.
- c. Discussion Boards – The discussion boards in D2L will periodically be used as a place for students to articulate

understanding of an assigned topic. Instructions for each topic's discussion will be provided.

- d. Class/Participation Assignments – There will occasionally be group assignments or class activities in which students will be required to engage. Details regarding assignment specifications and grading will be provided.

- e. Final Exam - the final exam will be comprehensive.

## VIII. COURSE CALENDAR (Tentative)

Week	Topic & Readings (Concepts/Exemplars)	Exams/Assignments	Lab Assignments
1 Jan 23	Course intro, General concepts, med/exemplar card instruction. EBP paper intro.  Processes, tools, routes: topical, ophth, otic, oral, SQ, IM	Weekly Exams – Tests begin week 2 over preceding week's material/drug list. Med Sheets and Exemplar Sheets for the coming week are due to Dropbox by 11:59 PM. Case Studies completed in forums by Sunday PM and correct answers given in following week's lab.	General concepts; Med Sheet, Exemplar Sheet, & Case Study instructions and answers covered in lab, Group EBP paper and diagram instructions
2 Jan 30	Cont. Intro, General concepts, Clinical Judgment/Critical Thinking:  (Concepts: Inflammation/Immunity: Allergic reactions to drugs [& reporting])	EXAM 1 – Over week 1 content: General concepts, processes, med routes, drug categories; clinical judgment	General Concepts cont.; Med Sheet & Exemplar Sheet drill
3 Feb 6	Cardiovascular: (Concepts: Perfusion: ACS, CHF)	EXAM 2 – Over week 2 content: General concepts, processes, med routes, drug categories; clinical judgment	Cardiovascular Case Studies; Med Sheet & Exemplar Sheet drill
4 Feb 13	Antibiotics: <b><u>Group EBP papers due by class time</u></b> (Concepts: Inflammation/Immunity: Infection)	EXAM 3 – Cardiovascular category, drug list	Antibiotics/Anti-infectives Case Studies; Med Sheet & Exemplar Sheet drill
5 Feb 20	Pulmonary: (Concepts: Gas Exchange: COPD, asthma, TB, pneumonia, smoking cessation Inflammation/Immunity: vaccines)	EXAM 4 – Antibiotic category, drug list	Pulmonary Case Studies; Med Sheet & Exemplar Sheet drill
6 Feb 27	Endocrine: (Concepts: Hormonal/Glucose Regulation: DM, pituitary, parathyroid, thyroid, adrenal)	EXAM 5 – Pulmonary category, drug list	Endocrine Case Studies; Med Sheet & Exemplar Sheet drill

Week	Topic & Readings (Concepts/Exemplars)	Exams/Assignments	Lab Assignments
	Reproduction: Women's health, menopause; men's health, andropause, hypogonadism)		
7 Mar 6	Analgesia, Dermatology/topicals:  (Concepts: Tissue integrity: Surface burns)	EXAM 6 MIDTERM (matching) – Endocrine category, Men's health, Women's health; drug list	Pain Case Studies; Med Sheet & Exemplar Sheet drill
8 Mar 13	SPRING BREAK MARCH 11-19 MidTerm grades due March 15th		
9 Mar 20	Psychiatric:  (Concepts: Mood/Affect: Depression, anxiety, psychosis Cognition: Delirium)	EXAM 7 – analgesia/pain, derm/topicals drug categories, drug lists	Psych meds Case Studies; Med Sheet & Exemplar Sheet drill (no lab on Good Friday)
10 Mar 27	Gastrointestinal:  (Concepts: Elimination: Constipation, GERD)	EXAM 8 – Psychiatric categories, drug list	GI Case Studies; Med Sheet & Exemplar Sheet drill
11 Apr 3	Nutritionals, Coagulation/Blood:  (Concepts: Nutrition: Body requirements, osteoporosis, anemias, enteral/parenteral nutrition Perfusion: DVT, CVA)	EXAM 9 – Gastrointestinal, category, drug list	Nutritionals, Coagulation/ Blood Case Studies; Med Sheet & Exemplar Sheet drill
12 Apr 10	Neurology/Cholinergics, Ophthalmic, Otic:  (Concepts: Mobility: Parkinson Disease Cognition: Dementia Sensory/perception: Glaucoma)	EXAM 10 – Nutritionals, Coag/Blood categories, drug list	Neuro, eye, ear Case Studies; Med Sheet & Exemplar Sheet drill
13 Apr 17	<u>DIAGRAM in class – to be handed in at end of class</u>	EXAM 11 –	TBA
14 Apr 24	Oncology and Immunotherapy, Urinary, Fluid/Electrolyte: (Concepts: Inflammation/Immunity: Cancer Elimination: BPH, CKD Fluid/Electrolyte: IV Administration Route)	EXAM 12 – Neurology, otic, ophthalmic drug categories, drug lists	Oncology Case Studies; Med Sheet & Exemplar Sheet drill Urinary, F&E, Case Studies (content on final)
15 May 1	Final Exam per schedule (Finals Week: Apr 28 <sup>th</sup> through May 5)	Comprehensive FINAL EXAM—over all semester material!!! New material of Oncology, Urinary, F&E categories/drug list tested on final exam.	None – Spring Classes Complete

**Primary Program: Bachelors of Science in Nursing**  
**NUR 301—Pharmacology I**  
**Spring 2023**

This course contributes to the University and AVSON Program Outcomes as indicated below:

**Significant Contribution** – Addresses the outcome directly and includes targeted assessment.

**Moderate Contribution** – Addresses the outcome directly or indirectly and includes some assessment.

**Minimal Contribution** – Addresses the outcome indirectly and includes little or no assessment.

Learning Outcome Alignment with University Outcomes	Significant Contribution	Moderate Contribution	Minimal Contribution
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Spiritual Integrity			
CLO E: Describe, from a Christian worldview and the ANA Code of Ethics point of view, select ethical and legal issues associated with the use of pharmacologic agents in healthcare.			<b>X</b>
PLO F: Demonstrate a personal leadership style that integrates Christian principles, a global perspective, wholeness, ethical behavior, and cultural awareness (PLO 7).			<b>X</b>

Personal Resilience			
PLO B: Assume accountability for patient-centered, holistic nursing care across the life span of diverse populations and settings (PLO 2).			<b>X</b>

Intellectual Pursuit			
CLO A: Describe classifications and therapeutic uses of a variety of pharmacologic agents.	<b>X</b>		
CLO B: Recognize safe nursing practice for the administration of pharmacologic agents and the monitoring of their effects.	<b>X</b>		
CLO C: Discuss patient-centered education to promote safe use of pharmacologic agents.	<b>X</b>		
CLO D: Explore medication-related nursing concerns using informatics and evidence-based practice data.	<b>X</b>		
PLO A: Integrate knowledge of liberal arts, sciences, theories, and concepts to provide safe, evidence-based, professional nursing care (PLO 1).	<b>X</b>		

<b>Learning Outcome Alignment with University Outcomes</b>	<b>Significant Contribution</b>	<b>Moderate Contribution</b>	<b>Minimal Contribution</b>
PLO C: Utilize nursing judgment supported by best current evidence to prevent illness and promote, maintain, and restore health (PLO 3).	<b>X</b>		

<b>Global Engagement</b>			
CLO E: Describe, from a Christian worldview and the ANA Code of Ethics point of view, select ethical and legal issues associated with the use of pharmacologic agents in healthcare.			<b>X</b>
PLO D: Collaborate in a professional, culturally sensitive style in the delivery of healthcare (PLO 4).			<b>X</b>

<b>Bold Vision</b>			
PLO E: Promote excellence in nursing through safe practices and quality improvement (PLO 5).		<b>X</b>	