

4/21/2025

DATE

AHD DIVISION

 REQUIRED COURSE NEW COURSE ELECTIVE COURSE REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	ADN-074	TITLE: (30 Characters Max)	Pharmacology II								
SEM CR HRS:	2	Lecture:	2	Lab:	0	ICCB Lab:	0	ECH:	2		
Course Level:	<input type="checkbox"/> Gen Ed / IAI <input checked="" type="checkbox"/> Career/Technical <input type="checkbox"/> Baccalaureate /Non-IAI <input type="checkbox"/> Dev Ed/ Not in Degree Audit			Clinical Practicum:	0	Work-based Learning:	0	WBL ECH:	0		
COURSE PCS #	12 - 51.3801		IAI Code	N/A			Contact Hours (Minutes/Week)				
Repeatable (Y/N):	N	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	N	Min:	Max:	16 Wks	100	8 Wks	200
Prerequisites:	Successful completion of Pharmacology I (ADN-053) or a course waiver for PN to ADN students										
Corequisites:	Currently enrolled in ADN-076										
Catalog Description: (40 Word Limit)	Continuation of ADN-053. Building upon previous knowledge, the nursing process is utilized to apply pharmacology concepts for clients with increasingly complex health conditions.										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Advanced nutrition and elimination	5			
Advanced infection and inflammation	5			
Sexuality and reproduction	10			
Homeostasis and regulation: fluid, electrolytes and acid-base balance	5			
Homeostasis and regulation: endocrine	5			
TOTAL	30	0	0	0

EVALUATION			
QUIZZES <input checked="" type="checkbox"/>	EXAMS <input checked="" type="checkbox"/>	ORAL PRES <input type="checkbox"/>	PAPERS <input type="checkbox"/>
LAB WORK <input type="checkbox"/>	PROJECTS <input checked="" type="checkbox"/>	COMP FINAL <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

COURSE MATERIALS	
TITLE:	Pharmacology: a patient-centered nursing process approach
AUTHOR:	McCustion, DiMaggio, Winton, and Yeager
PUBLISHER:	Elsevier
VOLUME/EDITION/URL:	12th edition
COPYRIGHT DATE:	2026

Online Products	
TITLE:	ATI RN Review Module, EHR, Video Case Studies, and Online Modules
TITLE:	EAQ for Fundamentals, Med-surg, and Pharmacology texts

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
Advanced nutrition and elimination	5	1. Arrange care of clients receiving total parenteral and enteral nutrition. 2. Prepare clinical judgment to care for the client experiencing renal or gastrointestinal complications/diseases. 3. Assess clients for actual or potential side effects or adverse effects of medications. 4. Notify the health care provider of side effects, adverse effects and contraindications identified in clients receiving medications, enteral and parenteral therapies.

Advanced infection and inflammation	5	<ol style="list-style-type: none"> 1. Identify prescriptions for treatments that may contribute to an accident or injury. 2. Detect contraindications to administration of medications. 3. Arrange care for clients receiving medications to treat infection/inflammation problems. 4. Prepare care for clients receiving total parenteral and enteral nutrition. 5. Examine client cultural practices, beliefs, alternative/complimentary and homeopathic healthcare practices when planning and providing care.
Sexuality and reproduction	10	<ol style="list-style-type: none"> 1. Determine methods of contraception commonly prescribed, client selection, mechanisms of action, possible side effects and nursing actions to enhance success. 2. Discuss pharmacologic intervention for sexually transmitted infections (STIs). 3. Present potential health-promoting nutritional supplements and detrimental effects of substances ingested by the client during the prenatal period. 4. Formulate clinical judgment to include the nursing process, including client teaching, associated with the medications used during labor and delivery. 5. Critique systemic and regional medications for pain control during labor, their action, side effects and nursing implications. 6. Summarize the purpose, action, side effects and nursing implications of the medications commonly administered during the postpartum period. 7. Summarize the purpose, action, side effects and nursing implications of the medications commonly administered to the newborn. 8. Outline the medications that alter uterine muscle contractility, gestational hypertension and surfactant development in the newborn. 9. Formulate clinical judgment, including client teaching, associated with the medications used during pregnancy, postpartum and newborn complications.
Homeostasis and regulation: fluid, electrolytes and acid-base balance	5	<ol style="list-style-type: none"> 1. Differentiate the classifications of intravenous fluids. 2. Determine the functions of major electrolytes. 3. Detect major signs and symptoms of deficiency and excess of potassium, sodium, calcium, chloride and phosphorus. 4. Formulate clinical judgment to the care of the client experiencing fluid, potassium, sodium and calcium imbalances. 5. Formulate the nursing interventions, including client teaching, related to thiazide, loop and potassium-sparing diuretics.
Homeostasis and regulation: endocrine	5	<ol style="list-style-type: none"> 1. Compare the hormones secreted from the adenohypophysis and the neurohypophysis. 2. Differentiate the actions and uses of the pituitary hormones: parathyroid hormone (PTH) and glucocorticoids. 3. Develop clinical judgment to include client teaching of medication therapy related to hormonal replacement or hormonal inhibition for the pituitary, parathyroid and adrenal glands.
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Outcomes*	At the successful completion of this course, students will be able to:
Course Outcome 1	Outline essential components in planning client education that will enhance compliance with the treatment regimen.
Course Outcome 2	Determine baseline data the nurse should collect on a continuous basis for comparison and evaluation of medication effectiveness.

Course Outcome 3	Assess the basic principles of medication action and interactions to make sound nursing judgments associated with medication therapy.
Course Outcome 4	Compare the nursing process to pharmacology.
Course Outcome 5	Arrange essential nursing assessments and interventions associated with the medication therapy.
Primary Laker Learning Competency Communication: Students communicate through the exchange of information.	
Secondary Laker Learning Competency	Critical Thinking: Students connect knowledge from various disciplines to formulate logical conclusions.

**Course and program outcomes will be used in the software for outcomes assessment and should include at least 1 primary and 1 secondary Laker Learning Competency. Limit to 3-5.*