



MASTER COURSE OUTLINE

A. NURS 1420 Pharmacology in Nursing

B. COURSE DESCRIPTION:

This course introduces theoretical concepts that enable students to provide safe and effective care related to pharmaceuticals and natural products to diverse client populations across the lifespan. Ethical-legal standards, means to promote human flourishing, principles of risk reduction, best practices, cultural and developmental concepts are explored to enable formulation of beginning rationales for safe care that promotes client well-being. The study of pharmacotherapeutics including pharmaceutical research and regulation, quality and safety, major drug classifications, and clinical management is included. Prerequisite: Admission to the Nursing Program. Co-requisite: NURS 1400 and NURS 1410.

(3 Cr – 3 lect, 0 lab) (Lecture hours/week: 3)

C. *Core Theme: Critical Thinking

D. RIVERLAND INSTITUTIONAL LEARNING OUTCOMES:

This course addresses the following Riverland Institutional Learning Outcome(s):

- ILO 1: critical thinking (*Core Theme Goal 2*)
- ILO 2: awareness of the larger global community (*Core Theme Goal 7 or 8*)
- ILO 3: ethical, engaged citizenship (*Core Theme Goal 9 or Goal 10*)
- ILO 4: communication and collaboration (*Discipline Goal 1 and by any learning outcome(s) involving communication or collaboration*)

E. MAJOR CONTENT AREAS:

Understands pharmaceutical concepts well enough to provide safe, holistic nursing care across the lifespan

- Introduction to Pharmacology
 - Drug classifications
 - Indications
 - Nursing implications
 - Side effects/contraindications
 - Patient education
 - Safe medication administration (7 Rights and Safety Checks)

- Dosage calculation
- Nursing role as part of an interdisciplinary team
- Ethical and legal considerations
- Pharmaceutical regulations
- Evidence-based resources
- Psychosocial integrity (behavioral health medications)
- Physiological integrity (medications impacting: mobility, tissue integrity, oxygenation and perfusion, metabolism, neuro cognition, and regulatory mechanisms)
- Pain and comfort best practices

F. GOAL TYPE, OBJECTIVES AND OUTCOMES:

<u>GOAL TYPE</u>	<u>OBJECTIVES</u> Students will be able to:	<u>OUTCOMES</u> The student will successfully
<u>*Critical Thinking</u>	recognize and articulate the value assumptions that underlie and affect decisions, interpretations, analysis, and evaluations made by themselves and others.	1. identify and explain the relationship between medication and administration procedures, the role of the nurse within the healthcare team, and patient safety issues.
<u>CS</u>	utilize best available evidence-based practices and informatics to guide decision making.	1. demonstrate knowledge of pharmacotherapeutics related to complex medication administration, safety, and efficacy. 2. utilize evidence-based resources to access pertinent information about pharmaceuticals and natural products. 3. develop a framework of clinical decision making based on the nursing process to guide safe medication administration.
<u>CS</u>	collaborate with inter-professional teams to provide holistic, evidence-based, patient-centered quality nursing care to diverse patient populations.	1. identify the roles of the professional nurse as part of the interdisciplinary team in relation to medication administration and monitoring.
<u>CS</u>	incorporate ethical practice and research within the nursing discipline and organizational environments.	1. describe the process of pharmaceutical approval and regulation.
<u>CS</u>	apply general knowledge of drug classifications, indications, nursing implications, side effects/contraindications, and patient education.	1. identify medications used for various diagnoses. 2. explain medication uses, side effects, nursing implications, and patient teaching.
<u>CS</u>	demonstrate knowledge of medication rights, safety checks, and dosage calculation methods.	1. list 7 rights and safety checks of medication administration. 2. complete dosage calculation problems.

G. SPECIAL INFORMATION:

This course may require use of the Internet, the submission of electronically prepared documents and the use of a course management software program. Students who have a

disability and need accommodation should contact Accessibility Services at the beginning of the semester. This information will be made available in alternative format, such as Braille, large print, or current media, upon request.

Special program needs include a calculator, nursing uniform, insignia patch, Riverland name tag, stethoscope, and watch with a second hand. A student enrolled in this course must have current immunizations, CPR certification, passed a background check, and must be able to provide their own transportation to class and clinical locations. The student must also be of good health and able to lift and transfer patients without restriction.

H. COURSE CODING INFORMATION:

Course Code O/Class Maximum 32; Letter Grade

Revision date: 09/17/19; 02/06/24

AASC Approval date: 10/22/19; 02/20/24

*These five MnTC Goals have been identified as Riverland Community College Core Themes. Every course in the Riverland Community College curriculum shall meet outcomes from one of these themes.

**These five MnTC Goals have been identified as Riverland Community College Disciplines. Riverland’s MnTC courses also shall meet outcomes from a Discipline Area.

NOTE: The Minnesota Transfer Curriculum “10 Goal Areas of Emphasis” are reflected in the five required discipline areas and five core themes noted in the Riverland Community College program of study guide and/or college catalog.

*Riverland Community College Core Themes	MnTC Goal Number
Critical Thinking (CT)	2
Human Diversity (HD)	7
Global Perspective (GP)	8
Ethical and Civic Responsibility (EC)	9
People and the Environment (PE)	10

**Riverland Community College Discipline Areas	MnTC Goal Number
Communication (CM)	1
Natural Sciences (NS)	3
Mathematics/Logical Reasoning (MA)	4
History and the Social & Behavioral Sciences (SS)	5
Humanities and Fine Arts (HU)	6