

MONTANA STATE UNIVERSITY- BOZEMAN
COLLEGE OF NURSING
Master Resource Outline
NRSRG 620 Advanced Pharmacology II (NP, Family/Individual)

Credits: 3 (lecture)

Semester Offered: Summer

Prerequisites: NRSRG 602, NRSRG 603

Degree: DNP

DNP Essentials: I, II, III, IV, V, VI, VII, VIII

Graduate Program Objectives: 1, 2, 3, 4, 5, 6, 7, 8

Course Description: This graduate nursing course focuses the pharmacologic effects and clinical use of selected drug classifications for the treatment and management of acute and chronic illnesses. Pharmacologic mechanisms in association with adverse effects, side effects, drug- drug interactions, drug- food interactions, contraindications and patient education will be addressed. Ethical and legal responsibilities, rules and regulations, issues and complimentary alternative medicine associated with advanced practice nurse prescribers will also be addressed. Appropriate treatment across the client lifespan, current pathophysiology, multicultural, and socioeconomic influences are included.

Course Objectives:

1. Analyze the pharmacodynamics and pharmacokinetics of specific drugs for each pathologic condition presented.
2. Synthesize content from current peer reviewed articles and over scientific resources during class discussion.
3. Analyze and discuss potential adverse reactions, side effects, and drug-drug interactions in selected systems and degenerated disorders.
4. Demonstrate critical thinking and awareness of cultural influences and values as they relate to pharmacologic and CAM treatments across the patient lifespan and across the socio-economic spectrum.
5. Integrate application of state laws and federal rules and regulations pertaining to prescriptive authority and the prescribing of drugs and devices when discussing clinical situations.
6. Integrate into clinical discussions appropriate state and federal rules and regulations pertaining to the prescribing of scheduled and non-scheduled medication.
7. Synthesize information from biomedical ethics, Board of Nursing rules and regulations, federal law, and nurse practitioner prescriber responsibilities.
8. Demonstrate advanced levels of clinical judgment, systems thinking and accountability in designing, delivering and evaluating evidence-based care to improve patient outcomes.

9. Demonstrate knowledge of necessary laboratory monitoring and acceptable parameters for safe and effective care.
10. Demonstrate appropriate documentation in selecting and prescribing pharmacologic agents.
11. Assess and demonstrate appropriate patient education to facilitate increased patient understanding and compliance.

Approved by GAAC: 2/6/12; modified 10/26/12; amended 11/5/2012; 8/19/16

Approved by Faculty: 4/9/12; modified 1/7/2013; 8/19/16