

**Montana State University-Bozeman**  
**College of Nursing**  
**Master Resource Outline**

**N518 Pharmacotherapeutics for Infants, Children, and Adults of Childbearing Age**

Semester Offered: Spring

Credits: 1 lecture

Prerequisites: N517 or consent of instructor

Course Description: Addresses pharmacological intervention in managing common health care problems of child bearing families. Students will apply knowledge of medication management of commonly encountered pediatric and women's health care concerns.

Course Objectives:

1. Discuss pharmacokinetic, physiological, and developmental factors that alter/predict drug actions in infants, children, and women of childbearing age.
2. Demonstrate skills consistent with advanced practice roles when managing pharmacological interventions for common pediatric health care problems.
3. Discuss appropriate pharmacological management for enhancing the contraceptive and family planning health of clients.
4. Discuss commonly encountered adverse drug reactions and their appropriate management for infants, children, and women of childbearing age.
5. Discuss potential interactions of prescribed medications with commonly used complementary alternative medicine (CAM) and over-the-counter (OTC) drugs used by childbearing, childrearing families.
6. Apply principles of client education regarding pharmacotherapy for infants, children, and families.
7. Apply legal and ethical principles inherent in the pharmacological interventions with infants, children, and families.

Suggested Content:

Pediatrics  
Immunizations  
Asthma  
Allergic Rhinitis  
URI  
Ophthal/Otic/Sinutis/AOM  
Lower Respiratory Tract Infection  
UTI  
STD's  
Thyroid  
Diabetes  
Contraception / PMS  
ADHD  
Medications & Pregnancy/OTC

Antiseizure medications

Anemia

Dermatology (acne, scabies, lice, warts, poison ivy, impetigo, diaper rash)

Psychotropic drug therapy

Diet drugs

Sexual enhancement drugs

Drugs that enhance athletic performance

Hormone Replacement Therapy

Approved and modified by GAAC: April, 2003; November, 2005

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