**University of Utah College of Nursing**

**Advanced Pharmacology for Nurse Midwifery and Women’s Health Nurse Practitioners**

**Course Outline: Summer 2015**

**Course Number:** Nurs 6052

**Section:** 001

**Prerequisite:** N6006 Principals of Pharmacotherapy

**Total Credits:** 2.0

**Didactic Credits:** 2.0

**Clinical Credits:** 0.0

**Academic Terms Offered:** Summer Semester

**Meeting Time/Location:** Mondays, 9-11am, on the following dates only:

 May 18, June 1, June 22, July 13 & August 3

**Faculty:** Gwen Latendresse PhD CNM FACNM,

 Assistant Professor

 Phone: (801) 587-9636

 E-mail: Use Canvas e-mail system

**Office Hours:** By appointment

**Course Description:**

This course will focus on knowledge and skills integral to prescriptive practice in midwifery and women’s health based upon knowledge of maternal/fetal physiology and anatomy during pregnancy. Pharmacotherapy in women’s health is also addressed. The student will also learn alternatives to pharmacotherapy for common women’s health conditions.

**Course Objectives:**

At the end of the course, **t**he student will be able to:

1. Apply knowledge of prescriptive practice as it relates to legal and ethical issues commonly encountered by nurse midwives and nurse practitioners.
2. State rationale for appropriate drug treatment of clients by applying knowledge of pharmacodynamics and pharmacokinetics based on maternal and fetal physiology during pregnancy.
3. Demonstrate how to assist clients to achieve high levels of wellness throughout the lifespan including pregnancy, lactation, and the postpartum period by making informed choices including the use of over-the-counter drugs and products.
4. Distinguish between indications for specific agents within a given classification of drugs.
5. Devise a plan of labor management that does not compromise the fetus.
6. Utilize teaching/learning principles in client education regarding medications.

**Teaching & Learning Methods:**

We use a combination of in-class meetings and learning activities outside of the classroom environment. This approach supports individualized learning, while also building a learning community. Podcast lectures, case studies, discussion, group work, demonstrations, online practice quizzes, online resources & evidence-based literature searches are used to facilitate learning inside and outside the classroom. Your input for improving our learning community is always welcome!

**Evaluation Methods:** The content of this course is arranged in 4 blocks, each covering several topics and containing related assignments.

1. Graded quizzes are taken online during designated periods
2. Students will be evaluated on classroom participation
3. Students will be evaluated on preparation of case studies
4. A course grade less than a B requires repetition of the course if the student is not on academic probation

**Case Studies, Group Work & Online Practice Quizzes**

Case studies, group work and online practice quizzes are used to create opportunity for students to practice and demonstrate their application of knowledge related to treatment of clients using appropriate non-pharmacologic, pharmacologic, and alternative treatments based on various scenarios. Most case studies and group work are completed outside of classroom time. Canvas workspace is available for group work, if desired. Online practice quizzes are not part of your course grade, but are available for your learning outside of class and discussed during class.

**Graded Quizzes**

Multiple graded quizzes are completed during the semester. These quizzes are timed and completed online in Canvas, outside of class meeting times. Quizzes are available for one week and due dates are posted on Canvas. Quizzes consist of multiple choice, short answer, matching, and case studies. These quizzes are open book (but not open partner) and the use of evidence-based, scholarly resources is expected, using APA format for citations.

**Course Grade Student Grading Scale**

|  |  |
| --- | --- |
| **Contributors to Grade** | **% of Grade** |
| Graded Quizzes | 40% |
| Class Participation | 25% |
| Case Studies | 35% |

|  |  |
| --- | --- |
| **Grade** | **% Achieved** |
| A | 95-100 |
| A- | 90-94 |
| B+ | 87-89 |
| B | 84-86 |
| B- | 80-83 |

**Required Texts:**

King, T. & Brucker, M. (2011). *Pharmacology for women’s health.* MA: Jones and Bartlett Publishers, Inc. ***NOTE: a newer (2015) edition is coming out in August, so if you can borrow or rent the 2011 edition to use until the 2015 edition comes out for purchase, you might want to do that.***

Maizes, V. & Low Dog, T. (2010). *Integrative Women’s Health*. NY: Oxford University

 Press

Briggs, G., & Freeman, R.K. (2015). *Drugs in pregnancy and lactation: A reference guide to fetal and neonatal risk, (10th ed.).* Philadelphia, PA: Lippincott, Williams, and Wilkens. ***NOTE:*** ***This is also available as a downloadable app for electronic devices for about the same price; see information below under required mobile electronic resources.***

**Suggested Texts (you will use these throughout the rest of the program)**

Varney, H., King, T., Brucker, M., Kriebs, J. & Fahey, J., (2015). *Varney’s Midwifery, (5th ed.).* MA: Jones and Bartlett Publishers, Inc.

Gabbe, S.G., Niebyl, J.R., & Simpson, J.L. (2012). *Obstetrics: Normal and problem*

 *pregnancies, (6th ed.).* Philadelphia: Churchill Livingstone.

Coad, J. (2011). *Anatomy and physiology for midwives, (3rd ed.).* MA: Churchill Livingstone.

Blackburn, S.T. (2013). *Maternal, fetal, and neonatal physiology: A clinical perspective, (4th ed.).* St. Louis, MS: Saunders.

**Required Mobile Electronic Resources (Apps):**

* Epocrates (free)
* Centers for Disease Control & Prevention (CDC) Antibiotic Guidelines (free)
* CDC STD Treatment Guidelines (free)
* Briggs’ *Drugs in pregnancy and lactation*

***NOTE: There is a free app for Briggs, but it is very limited. You will need the full price electronic version if you choose NOT to buy the hardcopy textbook (listed above in the required texts). The full price electronic version is about $99.00 vs. $80-$120 for the hardcopy textbook, but they have the same content.***

**Course Content Overview:**

|  |  |  |
| --- | --- | --- |
| Principles of prescriptive practice |  | Review of pharmacokinetics, pharmacodynamics, and pharmacogenomics |
| Vitamins, minerals, and complementary and alternative treatments in women’s health |  | Immunization in pregnancy and women’s health |
| Principles of perinatal pharmacology & Teratology |  | Uterine stimulants and tocolytics |
| Effect of medications on the maternal/fetal dyad |  | Analgesia/anesthesia options during pregnancy and labor |
| Treatment options for common primary care conditions in women’s health |  | Common treatment options for GYN conditions |
| Drugs and lactation  |  | Common drugs of abuse |

**ADA Statement**

The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Union Building, (801) 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodation.

**Faculty and Student Responsibilities**

All students are expected to maintain professional behavior in the classroom setting, according to the Student Code, spelled out in the Student Handbook. Students have specific rights in the classroom as detailed in Article II of the Code. The Code also specifies proscribed conduct (Article XI) that involves cheating on tests, plagiarism, and/or collusion, as well as fraud, theft, etc. Students should read the Code carefully and know they are responsible for the content. According to Faculty Rules and Regulations, it is the faculty responsibility to enforce responsible classroom behaviors, beginning with verbal warnings and progressing to dismissal from class, and a failing grade. Students have the right to appeal such action to the Student Behavior Committee.

**Center for Student Wellness**

Personal concerns such as stress, anxiety, relationship difficulties, depression, cross-cultural differences, etc., can interfere with a student’s ability to succeed and thrive at the University of Utah.  For helpful resources contact the Center for Student Wellness; [www.wellness.utah.edu](http://www.wellness.utah.edu); 801-581-7776.

*Note: The syllabus is not a binding legal contract. It may be modified by the instructor when the student is given reasonable notice of the modification.*