

**THE UNIVERSITY OF TEXAS**

**AT ARLINGTON**

**COLLEGE OF NURSING**

**Official Syllabus**

**N5334 Advanced Pharmacology for Nurse Practitioners**

**Sections 002**

**Fall 2011**

**On-line**

**NURS 5334 Advanced: Pharmacology for Nurse Practitioners**  
Fall 2011

**Instructor:** Lorrie N. Hegstad, PhD, APRN, BC, ANP, GNP  
Associate Professor

**Office Number:** Pickard Hall Room 624A

**Office Telephone Number:** 817-272-7080 (no voice mail)

**Email Address:** [Hegstad@uta.edu](mailto:Hegstad@uta.edu) (best way to contact)

**Office Hours:** By Appointment on scheduled class days – see schedule  
Appointments arranged online

**Section Information:** N5334-002 (online)

**Time and Place of Class Meetings:** There are no required meetings EXCEPT : Final Exam – December 14<sup>th</sup> Pickard Hall Room 204, 12 – 3pm. The online students are welcome to attend class if they so chose – class meets in Pickard Hall, Room 223, Wednesday, 8:30 – 3:30  
Class meets on the following Dates; August, 31, Sept. 14<sup>th</sup>, Sept 28<sup>th</sup>, October 5<sup>th</sup>, October 19<sup>th</sup>, November 2<sup>nd</sup>, November 16<sup>th</sup>, and November 30<sup>th</sup>.

**Description of Course Content:**

Study of clinical pharmacological therapeutics for advanced nursing practice.

**Not all of the topics are covered through lecture, they may be covered in assigned readings, modules or exercises.**

Pharmacodynamics and Pharmacokinetics  
Prescribing Process (Legal, ethical, Controlled substances)  
Drug Interactions and Adverse Drug Reactions  
Drugs Affecting Peripheral Nervous System  
Special Populations (Pregnant women, Children, Elderly) culture and gender.  
Analgesics, Anti-inflammatory drugs, Steroids  
Psychotherapeutics/Neuropharmacology  
Anticonvulsants, Headaches  
Drugs for Anxiety and Insomnia  
Diuretics & Antihypertensives  
Cardiac glycosides, Drugs to Treat Anti-Dysrhythmias and CHF  
Antianginal, Anticoagulants, Anti-lipids  
Antidiabetic Drugs  
Thyroid Hormones/Antithyroid Drugs  
Estrogen/Progestin/Contraceptive Agents  
Blood forming agents  
Anti-infective, Antifungal, antiviral, antitubercular agents  
Antihistamines, decongestants  
Drugs Used to Treat Asthma, COPD/ Emphysema  
Drugs for Management of Gastrointestinal Conditions  
Therapeutic Use of Herbs, Vitamins, & Minerals

**Student Learning Outcomes:**

Upon completion of the course, the student will be able to:

1. Prescribe drugs based on knowledge of drug pharmacokinetics and pharmacodynamics as it relates to relevant individual patient characteristics (e.g. age, culture, & gender).
2. Prescribe drugs based on efficacy, safety, cost, expected outcomes, and other health conditions.
3. Apply appropriate monitoring parameters in assessing the impact and efficacy of drug treatment.
4. Minimize drug reactions/interactions with special attention on vulnerable populations such as infants, children, pregnant & lactating women & older adults.
5. Counsel the patient /family concerning drug regimens, side effects, interactions with –other prescription /nonprescription drugs, herbal preparations, and food supplements.
6. Write prescriptions that fulfill the legal requirements for advanced practice nursing prescriptive authority in the state of Texas.

### **Required Textbooks and Other Course Materials:**

#### **Required Textbooks:**

Lehne, R.A., Moore, L., Crosby, L., Hamilton, D. (2010) *Pharmacology for nursing care*. 7th edition. Philadelphia, PA: W.B. Saunders Company.

Turkoski, B. B., Lance, B. R., Bonfiglio, M. F. (2011) *Drug information handbook for advanced practice nursing*. 11<sup>th</sup> Ed., Hudson (Cleveland): Lexi-Comp Inc.

#### **Supplementary Texts:** (Most recent edition preferred)

All of these books are excellent resources. You should choose those which best fit your learning style. You should always use the most current edition available and in practice use references which are major specific.

**Please note, the supplementary texts are only a few of the many which are available at Majors Medical Bookstore in Dallas or online. Students are encouraged to review a wide variety of references in order to select the ones that would best assist them in understanding the concepts and in practice. Not all of the suggested books may be in the UTA Bookstore. You may wish to visit the publisher web sites.**

Brenner, G. M. & Stevens, C. W. (2010) *Pharmacology*, 3<sup>rd</sup> ed. Philadelphia, PA, W. B. Saunders Company

Dale, M. M. & Haylett, D. G. (2011) *Rang & Dales Pharmacology Flashcards*. Churchill, Livingstone, Elsevier.

Kester, M, Vrana, K. E., Quaraishi, S. A. & Karpa, K. D. (2007). *Elsevier's Integrated Pharmacology*. Philadelphia, PA. Mosby/Elsevier.

Lehne, R. A. (2010) *Study Guide: Pharmacology for Nursing Care*. 7<sup>th</sup> edition, Philadelphia, PA, W. B. Saunders Company

Olson, J. M. (2011). *Clinical pharmacology made ridiculously simple*. 4<sup>th</sup> ed. Miami, FL, MedMaster.

Ramachandran, A. (2007). *Pharmacology Recall*. 2<sup>nd</sup> ed. Philadelphia, PA, Lippincott Williams & Wilkins.

Toy, E. C. Rosenfeld, G. C., Loose, D. S. & Brisco, D. (2008). *Case files: Pharmacology*. 2<sup>nd</sup> ed. Lange Medical Books/McGraw-Hill

Wecker, L. et. Al. (2010). *Brody's human pharmacology: Molecular to clinical*. 5<sup>th</sup> ed. Philadelphia, PA., Elsevier

#### **Requirements:**

**Course Prerequisites:** Graduate Standing in Nursing, Advanced Pathology, or Permission of Faculty

**Computer/Internet Access:** Test 1 and Test 2 will be taken online in Blackboard. It is essential that the student have access to high speed internet such as DSL or Cable. They should also be

comfortable with testing online. There is a practice test to help the student become familiar with the Blackboard Testing System. More information available on the course Blackboard site.

The course materials and communication with students is through UTA – Blackboard and MyMav e-mail. The student is responsible for having up to date hardware and software. The Help Desk located in the library ([helpdesk@uta.edu](mailto:helpdesk@uta.edu) or 817-272-2208 can advise the student about computer requirements. A high speed reliable system is very important when testing on line. More specific information about computer requirements will be available in the course. Students should be familiar and comfortable with computers.

### **Methods/Strategies:**

Lecture is recorded using Camtasia & available to students on the CON VOD site, Podcasts of lecture are also available for download at the site - <https://www.uta.edu/convod>

All lectures have study questions to guide the students reading and studying.

Lecture outline and/or slides provided to assist student note taking.

Blackboard -Discussion Board, online discussion and faculty/student, student/student interaction  
Voiced PowerPoint, Self Instructional Modules, Clinical Practice Case Studies, Expanded Notes on selected topics

Reading Assignments/Study guides, use of internet to keep abreast of changing pharmacology knowledge

### **Descriptions of major assignments and examinations with due dates:**

There are 2 major exams are taken online at the same time and on the same dates as the in class section – September 28<sup>th</sup> and November 2<sup>nd</sup> during regular class time. The test will be available for a limited period of time (check the test Blueprint for additional information). Students need to log in before 9am and the time allowed for the test will begin when the student accesses the test. The student must submit the test within the time allowed. Going over the time may result in reduction of score. More specific details are in course materials.

The Comprehensive Final Exam is scheduled for December 14<sup>th</sup> 12-3 Room 204 Pickard Hall – on-line students must attend.

### **Grading Policy:**

Test I:	33%
Test II:	32%
Final Exam: Comprehensive	<u>35%</u>
	100%

Each regular exam and final may consist of multiple-choice, short answer and/or prescription writing problems.

**If a student is unable to take Test 1 or Test 2 at the scheduled time, they must contact the faculty in advance to determine if an alternate time or make-up is allowed.** Make –up exams must be completed within one week. The student may be required to come to campus to take the exam. The format of the exam will be determined by the faculty. If more than one test is missed, the second missed test will carry an additional 10% reduction in grade.

***On-Line quizzes and tests ARE NOT to be considered open book tests or group tests. Using references of any kind or sharing or receiving information is a matter of Academic Dishonesty.***

**Exam results** are reviewed by the faculty and the grade posted in MyGrades in Blackboard reflects any adjustments to the original grade. Grades are usually posted within 48 hours. There is no online review of exams

### **Review of Major Tests & Final Exam**

The On-line version is not available for review on-line. Student may receive a summary of missed areas upon request. Students may also make an appointment on the in class days to review the test online The Final Exam is reviewed by appointment only.

### **GRADING SCALE:**

90-100	A
80-89	B
70-79	C
60-69	D
<60	F

### **Tests and Final**

The item analysis of each test is reviewed and students may be given credit for alternate answers or questions may be dropped. All tests are rounded to two decimal places (i.e. 85.679 = 85.68).

Students who wish to question a specific test item or quiz/assignment/test grade must do so in writing within one week after the grades have been released.

**For the FINAL COURSE GRADE there will be NO ROUNDING (i.e. 89.67 = B; 79.89 = C).**

**Attendance Policy:** The only required attendance on campus is for the Comprehensive Final Exam. The student is expected to participate in the Discussion Board on Blackboard. Students are responsible for keeping up with the course content and information posted on Blackboard..

**Drop Policy:** Students may drop or swap (adding and dropping a class concurrently) classes through self-service in MyMav from the beginning of the registration period through the late registration period. After the late registration period, students must see their academic advisor to drop a class or withdraw. Undeclared students must see an advisor in the University Advising Center. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. Contact the Financial Aid Office for more information.

Graduate students who wish to change a schedule by either dropping or adding a course must first consult with their Graduate Advisor. Regulations pertaining to adding or dropping courses are described below. Adds and drops may be made through late registration either on the Web at MyMav or in person through the student's academic department. Drops can continue through a point two-thirds of the way through the term or session. It is the student's responsibility to officially withdraw if they do not plan to attend after registering. **Students will not be automatically dropped for non-attendance.** Repayment of certain types of financial aid administered through the University may be required as the result of dropping classes or withdrawing. Contact the Financial Aid Office for more information. The last day to drop a course is listed in the Academic Calendar available at <http://www.uta.edu/uta/acadcal>.

1. A student may not add a course after the end of late registration.
2. A student dropping a graduate course after the Census Date but on or before the end of the 10th week of class may with the agreement of the instructor, receive a grade of W but only if passing the course with a C or better average. A grade of W will not be given if the student does not have at least a C average. In such instances, the student will receive a grade of F if

he or she withdraws from the class. Students dropping a course must: (1) complete a Course Drop Form (available online [http://www.uta.edu/nursing/MSN/drop\\_resign\\_request.pdf](http://www.uta.edu/nursing/MSN/drop_resign_request.pdf) or Graduate Nursing office rooms 512 or 606); (2) obtain faculty signature and current course grade; and (3) submit the form to Graduate Nursing office rooms 512 or 606.

3. A student desiring to drop all courses in which he or she is enrolled is reminded that such action constitutes withdrawal (resignation) from the University. The student must indicate intention to withdraw and drop all courses by completing a resignation form in the Office of the Registrar or by: (1) Completing a resignation form (available online [http://www.uta.edu/nursing/MSN/drop\\_resign\\_request.pdf](http://www.uta.edu/nursing/MSN/drop_resign_request.pdf) or Graduate Nursing office rooms 512 or 606); (2) obtaining faculty signature for each course enrolled and current course grade; (3) Submitting the resignation form in the College of Nursing office room 512 or 606; and (4) The department office will send resignation form to the office of the Registrar.
4. In most cases, a student may not drop a graduate course or withdraw (resign) from the University after the 10th week of class. Under extreme circumstances, the Dean of Graduate Studies may consider a petition to withdraw (resign) from the University after the 10th week of class, but in no case may a graduate student selectively drop a course after the 10th week and remain enrolled in any other course. Students should use the special Petition to Withdraw for this purpose. See the section titled Withdrawal (Resignation) From the University for additional information concerning withdrawal.  
<http://www.grad.uta.edu/handbook>

**Last Day to Drop or Withdraw: Novemeber 4<sup>th</sup>, 2011 5PM**  
**Note this is the 10 week of the semester**

**Americans with Disabilities Act:** The University of Texas at Arlington is on record as being committed to both the spirit and letter of all federal equal opportunity legislation, including the *Americans with Disabilities Act (ADA)*. All instructors at UT Arlington are required by law to provide "reasonable accommodations" to students with disabilities, so as not to discriminate on the basis of that disability. Any student requiring an accommodation for this course must provide the instructor with official documentation in the form of a letter certified by the staff in the Office for Students with Disabilities, University Hall 102. Only those students who have officially documented a need for an accommodation will have their request honored. Information regarding diagnostic criteria and policies for obtaining disability-based academic accommodations can be found at [www.uta.edu/disability](http://www.uta.edu/disability) or by calling the Office for Students with Disabilities at (817) 272-3364.

**Academic Integrity:** It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University. According to the UT System Regents' Rule 50101, §2.2, "Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts."

**Plagiarism:** Copying another student's paper or any portion of it is plagiarism. Copying a portion of published material (e.g., books or journals) without adequately documenting the source is plagiarism. Consistent with APA format, if five or more words in sequence are taken from a source, those words must be placed in quotes and the source referenced with author's name, date of publication, and page number of publication. If the author's ideas are rephrased, by transposing words or expressing the same idea using different words, the idea must be attributed to the author by proper referencing giving the author's name and date of publication. If a single author's ideas are discussed in more than one paragraph, the author must be referenced, according to APA format. Authors whose words or ideas have been used in the preparation of a paper must be listed in the references cited at the

end of the paper. Students are expected to review the plagiarism module from the UT Arlington Central Library via <http://library.uta.edu/tutorials/Plagiarism>

**Student Support Services Available:** The University of Texas at Arlington provides a variety of resources and programs designed to help students develop academic skills, deal with personal situations, and better understand concepts and information related to their courses. These resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals to resources for any reason, students may contact the Maverick Resource Hotline at 817-272-6107 or visit [www.uta.edu/resources](http://www.uta.edu/resources) for more information.

**Electronic Communication Policy:** The University of Texas at Arlington has adopted the University "MavMail" address as the sole official means of communication with students. MavMail is used to remind students of important deadlines, advertise events and activities, and permit the University to conduct official transactions exclusively by electronic means. For example, important information concerning registration, financial aid, payment of bills, and graduation are now sent to students through the MavMail system. All students are assigned a MavMail account. ***Students are responsible for checking their MavMail regularly.*** Information about activating and using MavMail is available at <http://www.uta.edu/oit/email/>. There is no additional charge to students for using this account, and it remains active even after they graduate from UT Arlington.

To obtain your NetID or for logon assistance, visit <https://webapps.uta.edu/oit/selfservice/>. If you are unable to resolve your issue from the Self-Service website, contact the Helpdesk at [helpdesk@uta.edu](mailto:helpdesk@uta.edu).

**Librarian to Contact:**

**Helen Hough**, *Nursing Librarian*  
Phone: (817) 272-7429  
E-mail: [hough@uta.edu](mailto:hough@uta.edu)  
<http://libguides.uta.edu/nursing>

**College of Nursing additional information:**

**Status of RN Licensure:** All graduate nursing students must have an unencumbered license as designated by the Texas Board of Nursing (BON) to participate in graduate clinical nursing courses. It is also imperative that any student whose license becomes encumbered by the BON must immediately notify their Associate Dean for the MSN Program, Department of Advanced Practice, Dr.Gray/Dr. Schira. The complete policy about encumbered licenses is available online at: [www.bon.state.tx.us](http://www.bon.state.tx.us)

**Student Code of Ethics:** The University of Texas at Arlington College of Nursing supports the Student Code of Ethics Policy. Students are responsible for knowing and complying with the Code. The Code can be found in the student handbook online: <http://www.uta.edu/nursing/handbook/toc.php>

**No Gift Policy:** In accordance with Regent Rules and Regulations and the UTA Standards of Conduct, the College of Nursing has a "no gift" policy. A donation to one of the UTA College of Nursing Scholarship Funds, found at the following link: [http://www.uta.edu/nursing/scholarship\\_list.php](http://www.uta.edu/nursing/scholarship_list.php) would be an appropriate way to recognize a faculty member's contribution to your learning. For information regarding Scholarship Funds, please contact the Dean's office.

**Departmental Office/Support Staff**

## **Department of Advanced Nurse Practice**

**Mary Schira**, PhD, Rn, ACNP-BC  
Associate Dean and Chair; Graduate Advisor  
Email: [Schira@uta.edu](mailto:Schira@uta.edu)

**Sheri Decker**, Assistant Graduate Advisor  
Office # 606-Pickard Hall, (817)-272-2776 ext.0829  
Email: [s.decker@uta.edu](mailto:s.decker@uta.edu)

**Rose Olivier**, Administrative Assistant I  
Office # 605-Pickard Hall, (817) 272-2776 ext. 4796  
Email: [Olivier@uta.edu](mailto:Olivier@uta.edu)

**Roshanda Marks**, Senior Office Assistant  
Office # 610-Pickard Hall, (817)-272-2043 ext. 4856  
Email: [r.marks@uta.edu](mailto:r.marks@uta.edu)

## **Department of MSN Administration, Education, and PhD Programs**

**Jennifer Gray**, RN, PhD  
Associate Dean and Chair, Graduate Advisor  
Email: [jgray@uta.edu](mailto:jgray@uta.edu)

**Vivian Lail-Davis**, Administrative Assistant II  
Office # 512-Pickard Hall, (817)-272-1038  
Email:

**Felicia Chamberlain**, Administrative Assistant I  
Office # 515- Pickard Hall (817)-272-0659  
Email: [chamberl@uta.edu](mailto:chamberl@uta.edu)

**Suzanne Despres**, AP Program, Assistant Graduate Advisor  
Office # 512A- Pickard Hall (817)-272-1039  
Email: [sdepres@uta.edu](mailto:sdepres@uta.edu)