

**The University of Texas at Arlington**  
**College of Nursing**  
**NURS 5334 Advanced Pharmacology for Nurse Practitioners**  
**Spring 2015 - Section 001**

**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)

**Faculty Profile:** <https://www.uta.edu/profiles/lorraine-hegstad-rhodes>

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

**Section Information:** NURS 5334-001 (in class)

**Section Information: 001**

**Time and Place of Class Meetings:** Pickard Hall, Room 223, Wednesday,(see specific dates) **8:30 am - 3:30 pm. CST**

*See Course Schedule for specific dates*

**Description of Course Content:**

Study of clinical pharmacological therapeutics for advanced nursing practice.

**Requirements:**

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

**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. (2013) *Pharmacology for nursing care*. 8th edition. Philadelphia, PA: Elsevier/Saunders Company. (Hardcopy)

Lexicomp (2014) *Drug Information Handbook for Advanced Practice Nursing*. 15<sup>th</sup> Ed., Hudson, Ohio: Lexicomp.

### **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. (2013) *Pharmacology*, 4<sup>th</sup> ed. Philadelphia, PA, Elsevier/Saunders

Kester, M., Dowhower, K. , & Vrana, K. D. (2012). *Elsevier's Integrated Pharmacology*. 2<sup>nd</sup> ed. Philadelphia, PA. Mosby/Elsevier.

Tindal, W. N., Sedrak, M. M. & Boltri, J. M. (2014) *Patient-Centered Pharmacology- Learning System for the Conscientious Prescribe*. 1<sup>st</sup> ed. Philadelphia, PA. F. A. Davis Company.

Wecker, L., Crespo, L., Dunaway, G., Faingold, C., & Watts, S. (2010). *Brody's Human Pharmacology: Molecular to Clinical*. 5<sup>th</sup> ed. Philadelphia, PA., Mosby/Elsevier.

### **Other Course Needs**

**Computer/Internet Access:** 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 you. Students should be familiar and comfortable with computers

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

All exams are taken in class. There are 2 major exams –during regular class time – see schedule. The Comprehensive Final Exam is scheduled for May 13<sup>th</sup>, time & place to be announced. **Check Test Blueprint on Bb for additional information. You must have a UTA ID to take the Tests/Final Exam**

Test I: February 18 <sup>th</sup> 8:30 am	33%
Test II: April 1 <sup>st</sup> 8:30 am	32%
Final Exam: Comprehensive – May 13 <sup>th</sup>	<u>35%</u>
(Time & Room TBA)	100%

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

**Grading Policy:** Students are expected to keep track of their performance throughout the semester and seek guidance from available sources (including the instructor) if their performance drops below satisfactory levels

### **Course Grading Scale**

A = 90 to 100

B = 80 to 89

C = 70 to 79

D = 60 to 69 – cannot progress

F = below 60 – cannot progress

## Tests and Final

**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.

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).**

## Teaching Methods/Strategies:

- **Podcasts of lecture** (Audio) are available for download through a Podcast page, the link to Podcast of lecture (audio only) is posted on Blackboard within 24-48 hrs after recording.
- If a lecture is missed the student may **view the lecture using the Media files** for most lectures which may be downloaded.
- 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 may be used.
- Reading Assignments/Study guides, use of internet to keep abreast of changing pharmacology knowledge

## Make-Up-Exams

**All in classroom exams** (Test I, II, & Final) should be taken at the scheduled time. **If a student is unable to take the exam the faculty must be notified in advance.** The faculty will determine if an alternate time or make-up is allowed. The make-up must be made up within one week. The format of the make-up exam will be determined by the faculty. **Vacations, work schedules, other courses, business meetings and family functions will not be considered for an excused absence or date for a make-up exam. An unexcused absence will result in a grade of zero for the exam.** If more than one exam is missed, the second missed exam will carry an additional 10% reduction in grade. Upon approval from your faculty, you need to schedule an appointment with Sonya Darr at [sdarr@uta.edu](mailto:sdarr@uta.edu). Please allow a 24 hour advance notice when scheduling. Ms. Darr will not schedule without faculty permission.

**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.

## Review of Major Tests & Final Exam

In class exams will be available for review after the exam if all students (in class and on-line) have taken the exam **and/or at the next scheduled class period.** *Students are highly encouraged to take advantage of the opportunity to see what content or types of questions they missed.* Students may make individual appointments with the faculty on scheduled class days to review the exam. The Final Exam is reviewed by appointment only.

**Expectations of Out-of-Class Study** A general rule of thumb is this: for every credit hour earned, a student should spend a minimum of 3-4 hours per week working outside of class. Hence, a 3-credit course **might have a minimum expectation** of 9-12 hours of reading, study, etc. per week. As a Graduate Level

course - *Beyond the time required to attend each class meeting, students enrolled in this course should expect to spend at least an additional 10-12 hours per week on their own time in course-related activities, including reading required materials, completing study guides, reviewing related pathophysiology, and supplemental material to fulfill any knowledge deficits.* Depending on your current knowledge base and experience with a wide variety of drugs you may have to spend even more time. You may need to take advantage of testing services if you have had difficulty in the past with multiple choice tests. Each person has to determine their study needs. The course is fast paced and you should not get behind in reading or studying.

**Attendance Policy:** At The University of Texas at Arlington, taking attendance is not required. Rather, each faculty member is free to develop his or her own methods of evaluating students' academic performance, which includes establishing course-specific policies on attendance. As the instructor of this section, regular class attendance and participation is expected but attendance or lack thereof does not factor into the grade. Students are responsible for all missed course information.

**Drop Policy:** 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 Office of Financial Aid and Scholarships at <http://wweb.uta.edu/aao/fao/>. The last day to drop a course is listed in the Academic Calendar available at <http://www.uta.edu/uta/acadcal.php?session=20146>

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) **Contact course faculty to obtain permission to drop the course with a grade of "W".**
  - (2) **Contact your graduate advisor to obtain the form and further instructions**

**Census Day – February 4<sup>th</sup>, 2015**

**Last day to drop or withdraw April 3, 2015, 4 PM**  
**-Note this is considered the 10th 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.

**Title IX:** The University of Texas at Arlington is committed to upholding U.S. Federal Law “Title IX” such that no member of the UT Arlington community shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity. For more information, visit [www.uta.edu/titleIX](http://www.uta.edu/titleIX).

### **Academic Integrity**

All students enrolled in this course are expected to adhere to the UT Arlington Honor Code:

*I pledge, on my honor, to uphold UT Arlington’s tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.*

*I promise that I will submit only work that I personally create or contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.*

UT Arlington faculty members may employ the Honor Code as they see fit in their courses, including (but not limited to) having students acknowledge the honor code as part of an examination or requiring students to incorporate the honor code into any work submitted.

Per UT System Regents’ Rule 50101, §2.2, suspected violations of university standards for academic integrity (including the Honor Code) will be referred to the Office of Student Conduct. Violators will be disciplined in accordance with the University policy, which may result in the student’s suspension or expulsion from the University.

"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."

As a licensed registered nurse, graduate students are expected to demonstrate professional conduct as set forth in the Texas Board of Nursing rule §215.8. **in the event that a graduate student holding an RN license is found to have engaged in academic dishonesty, the college may report the nurse to the Texas BON using rule §215.8 as a guide.**

***Advanced Pharmacology has an additional Honor Code which the student is required to read and acknowledge Test 1 (See course schedule).***

**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/plagiarism/index.html>

**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. Resources include tutoring, major-based learning centers, developmental education, advising and mentoring, personal counseling, and federally funded programs. For individualized referrals, students may visit the reception desk at University College (Ransom Hall), call the Maverick Resource Hotline at 817-272-6107, send a message to [resources@uta.edu](mailto:resources@uta.edu), or view the information at [www.uta.edu/resources](http://www.uta.edu/resources).

**Electronic Communication Policy:** The University of Texas at Arlington has adopted "MavMail" as its official means to communicate with students about important deadlines and events, as well as to transact university-related business regarding financial aid, tuition, grades, graduation, etc. **All students are assigned a MavMail account and are responsible for checking the inbox regularly.** There is no additional charge to students for using this account, which remains active even after graduation. Information about activating and using MavMail is available at <http://www.uta.edu/oit/cs/email/mavmail.php>. If you are unable to resolve your issue contact the Helpdesk at [helpdesk@uta.edu](mailto:helpdesk@uta.edu).

**Student Feedback Survey:** At the end of each term, students enrolled in classes categorized as lecture, seminar, or laboratory shall be directed to complete a Student Feedback Survey (SFS). Instructions on how to access the SFS for this course will be sent directly to each student through MavMail approximately 10 days before the end of the term. Each student's feedback enters the SFS database anonymously and is aggregated with that of other students enrolled in the course. UT Arlington's effort to solicit, gather, tabulate, and publish student feedback is required by state law; students are strongly urged to participate. For more information, visit <http://www.uta.edu/sfs>.

**Emergency Exit Procedures:** Should we experience an emergency event that requires us to vacate the building, students should exit the room and move toward the nearest exit. When exiting the building during an emergency, one should never take an elevator but should use the stairwells. Faculty members and instructional staff will assist students in selecting the safest route for evacuation and will make arrangements to assist handicapped individuals.

**To exit the building from Room 223 – turn left or right after exiting and proceed down that hall all the way to the stairs and go down to the ground floor and move away from the building.**

#### **Librarian to Contact:**

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**Peace Williamson, Nursing Librarian**

Phone: (817) 272-7433

E-mail: [peace@uta.edu](mailto:peace@uta.edu)

Research Information on Nursing:

<http://libguides.uta.edu/nursing>



Library Home Page .....	<a href="http://www.uta.edu/library">http://www.uta.edu/library</a>
Subject Guides .....	<a href="http://libguides.uta.edu">http://libguides.uta.edu</a>
Subject Librarians .....	<a href="http://www.uta.edu/library/help/subject-librarians.php">http://www.uta.edu/library/help/subject-librarians.php</a>
Database List.....	<a href="http://www.uta.edu/library/databases/index.php">http://www.uta.edu/library/databases/index.php</a>
Course Reserves .....	<a href="http://pulse.uta.edu/vwebv/enterCourseReserve.do">http://pulse.uta.edu/vwebv/enterCourseReserve.do</a>
Library Catalog .....	<a href="http://discover.uta.edu/">http://discover.uta.edu/</a>
E-Journals.....	<a href="http://liblink.uta.edu/UTAlink/az">http://liblink.uta.edu/UTAlink/az</a>
Library Tutorials .....	<a href="http://www.uta.edu/library/help/tutorials.php">http://www.uta.edu/library/help/tutorials.php</a>
Connecting from Off- Campus .....	<a href="http://libguides.uta.edu/offcampus">http://libguides.uta.edu/offcampus</a>
Ask A Librarian.....	<a href="http://ask.uta.edu">http://ask.uta.edu</a>

The following URL houses a page where we have gathered many commonly used resources needed by students in online courses: <http://www.uta.edu/library/services/distance.php>

## **Course Schedule**

**Course Topics: Class meets 8:30 am-11:30 am and 12:30 pm – 3:30 pm following dates**

January 21st – Principles of Pharmacology, Drugs Across the Life Span & Autonomic Nervous System

February 4th – Cardiovascular Drugs (inotropic drugs, anti-anginal drugs, diuretics, antihypertensives, anti-lipid drugs, anticoagulant drugs, antiplatelet drugs & drugs to treat anemia

February 18th - **Test 1** Possible lecture to follow test -Psychopharmacology –Dr. Dianne Snow

March 4th - Antibiotics, Antifungal Agents, Drugs to Treat Tuberculosis, Drugs for Non-HIV Viral Infections

March 18th - Respiratory Pharmacology & Drugs Influencing the GI Tract (GERD, PUD, Laxatives, Antidiarrheal Drugs, Antiemetics and Obesity

April 1<sup>st</sup> -**Test 2** followed by Principles of Prescribing for Advanced Practice Nurses

April 15<sup>th</sup> - Endocrine Drugs to treat Diabetes and Thyroid conditions

April 29<sup>th</sup> Pain Management & CNS Drugs to Treat Parkinson's disease, Alzheimer's disease and Seizure Disorders

May 13<sup>th</sup> **Comprehensive Exam** Final Exam - Time and Place to be announced

*“As the instructor for this course, I reserve the right to adjust this schedule in any way that serves the educational needs of the students enrolled in this course. Dr. Lorrie Hegstad*

## **UTA 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 Dr. Mary Schira, Associate Dean, Department of Advanced Practice Nursing. The complete policy about encumbered licenses is available online at: [www.bon.state.tx.us](http://www.bon.state.tx.us)

**Graduate Student Handbook:** Students are responsible for knowing and complying with all policies and information contained in the Graduate Student handbook online at: <http://www.uta.edu/nursing/msn/msn-students>

**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/msn/msn-students>

**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: is <http://www.uta.edu/nursing/student-resources/scholarship> 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.

**Online Conduct:** The discussion board should be viewed as a public and professional forum for course-related discussions. Students are free to discuss academic matters and consult one another regarding academic resources. The tone of postings should be professional in nature. It is not appropriate to post statements of a personal or political nature, or statements criticizing classmates or faculty. Inappropriate statements/language will be deleted by the course faculty and may result in denied access to the Discussion boards. Refer to UTACON Student Handbook for more information.

***For this course Blackboard communication tools, discussion boards, and UTA MAV email will be used extensively and should be checked often.***

### **Department of Advanced Practice Nursing Office/Support Staff**

<b>Mary Schira</b> , PhD, RN, ACNP-BC Associate Dean and Chair; Graduate Advisor Email: <a href="mailto:schira@uta.edu">schira@uta.edu</a>	<b>Rose Olivier</b> , Administrative Assistant I Office # 605-Pickard Hall, (817) 272-9517 Email: <a href="mailto:olivier@uta.edu">olivier@uta.edu</a>
<b>Sheri Decker</b> , Assistant Graduate Advisor Students: A-J Office # 611-Pickard Hall, (817) 272-0829 Email: <a href="mailto:s.decker@uta.edu">s.decker@uta.edu</a>	<b>Janyth Arbeau</b> , Clinical Coordinator Office # 610- Pickard Hall, (817) 272-0788 Email: <a href="mailto:Arbeau@uta.edu">Arbeau@uta.edu</a> or <a href="mailto:npclinicalclearance@uta.edu">npclinicalclearance@uta.edu</a>
<b>Luena Wilson</b> , Graduate Advisor I Students: K-Z Office # 613-Pickard Hall, (817) 272- 4798 Email: <a href="mailto:lvwilson@uta.edu">lvwilson@uta.edu</a>	<b>Kimberly Hodges</b> , Support Specialist II Office #612 Pickard Hall, (817) 272-9373 E-mail: <a href="mailto:khodges@uta.edu">khodges@uta.edu</a> or <a href="mailto:npclinicalclearance@uta.edu">npclinicalclearance@uta.edu</a>
<b>Sonya Darr</b> , Support Specialist I Office # 609-Pickard Hall, (817) 272-2043 Email: <a href="mailto:sdarr@uta.edu">sdarr@uta.edu</a>	<b>Timara Spivey</b> , Admissions Assistant Office # 606, Pickard Hall (817) 272-4796 Email: <a href="mailto:tspivey@uta.edu">tspivey@uta.edu</a> or <a href="mailto:npadmasst@exchange.uta.edu">npadmasst@exchange.uta.edu</a>

**Emergency Phone Numbers:** In case of an on-campus emergency, call the UT Arlington Police Department at 817-272-3003 (non-campus phone), 2-3003 (campus phone). You may also dial 911.