

**The University of Texas at Arlington**  
**College of Nursing**  
**NURS 5334 Advanced: Pharmacology for Nurse Practitioners**  
Spring 2015 –Course Section 002

**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  
Appointments arranged online and by phone

**Section Information:** NURS 5334-002, on-line

**Time and Place of Class Meetings:** There are no required meetings EXCEPT: Final Exam May 13<sup>th</sup> : Time and Place TBA

The online students are welcome to attend class if they so choose and **space available** (Spring 2015 the in the seat class is very large)– class meets in Pickard Hall, Room 223, Wednesday (see dates), **8:30 – 3:30 CST. See Course Schedule for specific dates**

**Description of Course Content:**

Study of clinical pharmacological therapeutics for advanced nursing practice.

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

**Other Requirements:**

**Computer Requirements:** Students are expected to have access to a reliable computer. The lecture content is presented on Blackboard. For Testing – Respondus with LockDown Browser and Webcam is used. Students are required to download Respondus to the computer they will use for test taking. The link is: <http://www.respondus.com/lockdown/installw2own.pl?ID=163943837>

**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: OH: 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:** Test 1 and Test 2 will be taken online through Blackboard. We will be using Respondus LockDown Browser and webcam for testing. 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 and Respondus. More information available on the course Blackboard site.

The course materials and communication with students is through UTA and MyMav e-mail – 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.

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

There are 2 major exams which are **taken online** using Respondus LockDown Browser with Webcam at the same time and on the same dates as the in class section. **There is NOT an option to take the exam with the in class section.** Test 1- **February 18<sup>th</sup>** & Test 2 - **April 1<sup>st</sup>** - they start time **8:30 am Central**

**Standard Time.** The test will be available for a limited period of time (check the test Blueprint on Bb for additional information). Students need to log in before 8:30 am 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 or Blackboard will automatically submit the test when the time has expired.

The Comprehensive Final Exam\* is scheduled for May 13<sup>th</sup> . **Check Test Blueprint on Bb for additional information. Distance Students (Section 002) Must Attend. You must have a UTA ID (or you ID number) to take the Final Exam. More Information provided.\* Attendance on UTA campus required for Final Exam. The time of the exam and room TBA**

Test I: February 18 <sup>th</sup>	33%
Test II: April 1st	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.

***On-Line 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 and violates the Advanced Pharmacology Honor Code.***

**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:**

- **Lecture is recorded** using Camtasia & is available to distance students through links presented in Blackboard. Camtasia lectures may not be downloaded. Lectures are posted within 24-48 hours of recording. Lectures may also be viewed using the Media files on the Podcast site.
- **Podcasts of lecture** are available for download through a podcast page; the link to Podcast of lecture is posted on Blackboard within 24-48 hours of recording. Media

- 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 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. *The student may be required to come to campus or arrange for a certified proctor.*** Repeated make-up exams may result in 10% reduction of grade. Upon approval from your faculty, you need to coordinate with Sonya Darr at [sdarr@uta.edu](mailto:sdarr@uta.edu). Please allow with at least 24 hour advanced notice when scheduling.

**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**

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 with faculty on a scheduled class day or set up a phone conference review. Exam reviews may be scheduled with faculty up to 2 weeks after grades posted. 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. As a Graduate Level course - ***Beyond the time required to view or listen to the lecture of each class, 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 had to determine their study needs. The course is fast paced and you should not get behind in reading or studying.

**Attendance Policy:** The only required attendance on campus for the **002 section** is for the Comprehensive Final Exam. The students are expected to participate in the Discussion Board on Blackboard. Students are responsible for keeping up with the course content and information posted on Blackboard.

**Exception: Make-Up exams may require student to come on campus or have a certified proctor.**

**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/ao/fao/> . The last day to drop a course is listed in the Academic Calendar available at <http://www.uta.edu/uta/acadcal.php?session=20141>

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<sup>rd</sup>, 2015, 45 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 expected to acknowledge prior to Test 1 – see the Course Schedule for specific date.. Specific information provided in Blackboard.*

**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. 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, 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

**In the event you attend class: 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 ..... <http://www.uta.edu/library>  
Subject Guides ..... <http://libguides.uta.edu>  
Subject Librarians ..... <http://www.uta.edu/library/help/subject-librarians.php>  
Database List..... <http://www.uta.edu/library/databases/index.php>  
Course Reserves..... <http://pulse.uta.edu/vwebv/enterCourseReserve.do>  
Library Catalog ..... <http://discover.uta.edu/>  
E-Journals..... <http://liblink.uta.edu/UTALink/az>  
Library Tutorials ..... <http://www.uta.edu/library/help/tutorials.php>  
Connecting from Off- Campus ..... <http://libguides.uta.edu/offcampus>  
Ask A Librarian..... <http://ask.uta.edu>

#### Course Schedule

**Course Topics: Class meets 8:30 am-11:30 am and 12:30 pm – 3:30 pm following dates – the lecture content is recorded and will be posted on Bb**

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**

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

**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.