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## **NURS 5303.01 Pharmacology for Advanced Practice SPRING 2023**

### **COURSE INFORMATION**

**Instructor:** Shelly Hanko PhD, FNP-BC

**Office Location:** Dallas

**Office Hours:** by appointment

**University Email Address:** [Shelly.Hanko@tamuc.edu](mailto:Shelly.Hanko@tamuc.edu)

### **Materials – Textbooks, Readings, Supplementary Readings**

#### **Textbook(s) Required**

Rosenthal, L. & Burchum, J. (2021). *Lehne's Pharmacotherapeutics for Advanced Practice Providers and Physician Assistants* (2<sup>nd</sup> ed.). St. Louis: Elsevier Saunders.

### **Course Description (3 semester credit hours)**

This course focuses on general principles of pharmacology including pharmacokinetics, pharmacodynamics as they relate to the treatment and management of common illnesses and conditions across the lifespan. Attention is given to the physiologic basis and clinical characteristics of disease states relative to pharmacotherapy. Clinical decision-making and

review of laws governing prescriptive authority for advance practice nursing are also emphasized.

### **Student Learning Outcomes**

Upon completion of the course, the student will have been given the opportunity to:

1. Discuss the pharmacodynamics and pharmacokinetics of a variety of drugs used to treat primary care conditions throughout the lifespan. (AACN MSN Essential I)
2. Integrate pathophysiology, physiology, and pharmacotherapeutics into advanced clinical nursing practice. (AACN MSN Essential I)
3. For a given disease state, discuss pharmaceutical options, develop a therapeutic regimen that maximizes effectiveness while minimizing adverse reactions, provide appropriate patient education, and evaluate the response of the patient to the therapeutic agent. (AACN MSN Essential VIII)
4. Demonstrate clinical application of the pharmacology content through case study presentation. (AACN MSN Essential IV)
5. Identify pregnancy and lactation categorization of drugs and their indications for clinical use in that population. (AACN MSN Essential III)
6. Integrate knowledge of over-the-counter medications, vitamins, minerals, and alternative medicine in clinical practice anticipating potential drug-to-drug interactions. (AACN MSN Essential I)
7. Understand the professional and legal aspects of the advanced practice nurse in prescribing and managing pharmacological therapy, recognizing the advanced practice nurses' accountability, responsibility, and scope of practice. (AACN MSN Essential IX)
8. Demonstrate how to correctly write a prescription, including all appropriate elements. (AACN MSN Essential V)

## **COURSE REQUIREMENTS**

### **Instructional / Methods / Activities Assessments**

Teaching and learning methods will include lecture, presentations, group discussion, use of audiovisuals, on-line course information, handouts, reading and written assignments, and case studies.

## **Student Responsibilities**

**Online Etiquette:** This class will be conducted mainly online. Please use the following a guide to your online behavior.

- Make a personal commitment to learning about, understanding, and supporting your peers.
- Assume the best of others in the class and expect the best from them.
- Recognize and value the experiences, abilities, and knowledge each person brings to class. Value the diversity of the class.
- Participate actively in the discussions, having completed the readings and thought about the issues.
- Pay close attention to what your classmates write in their online comments. Ask clarifying questions, when appropriate. These questions are meant to probe and shed new light, not to minimize or devalue comments.
- Think through and re-read your comments before you post them.
- Never make derogatory comments toward another person in the class.
- Do not make sexist, racist, homophobic, or victim-blaming comments at all.
- Disagree with ideas, but do not make personal attacks.
- Be open to be challenged or confronted on your ideas or prejudices.
- Challenge others with the intent of facilitating growth. Do not demean or embarrass others.
- Encourage others to develop and share their ideas.
- Be willing to change.

## **GRADING**

Final grades in this course will be based on the following scale:

A = 90%-100%

B = 80%-89%

C = 75%-79%

D = 60%-74%

F = 59% or Below

<b>Evaluation Methods</b>	
Quiz	15
Exam 1	50
Exam 2	50
Final Exam	75
What is new? Student Presentation	35

**Students must achieve a minimum average of 80% on exams in order to pass the course. Other graded assignments will not be added to the final grade unless exam grade average is 80% or higher.**

Successful completion of the examinations and other required assignments will enable the student to meet the student learning outcomes.

### **Assessments**

**Exam:** Exams will be an on campus proctored and timed assessment of the units specified in the course schedule. A student who is unable to take the scheduled exam must notify the instructor prior to the start of the exam to determine whether a make-up is available. **Students must achieve a minimum average of 80% on exams in order to pass the course. If an 80% exam average is achieved, then all other assignment grades will be added to the final course grade.** (Student outcomes 1-3, 5-8)

**Pharmacology Presentation:** A presentation will be made to post on the discussion board. You are responsible to answer any questions posted under your presentation for that week. Topics will be a new medication within the last 3-5 years of Instructors approval/assignment.

### **Late Submissions:**

It is expected that you will submit all class and clinical assignments on time. If you need an extension, it should be requested before the due date/time and may or may not be approved at the discretion of the course coordinator.

Unexcused late assignments will be penalized 10% per day for each of the first two days overdue; on the 3<sup>rd</sup> day, the grade will be assigned as 0%. Communication on these matters is the student's responsibility.

Multiple instances of late clinical assignments will result in receipt of a Student Performance and Behaviors Evaluation Form and, possible, failure of clinical/course.

### **Paper Submissions:**

All documents submitted online are to be in .docx, .rtf, or PPT, .pdf format. No other formats will be accepted (JPEG, GIF, etc.). Assignments need to be submitted in a maximum of one document per assignment. Failure to follow these guidelines will result in a grade of "0" on the assignment.

### **Syllabus Change Policy**

The syllabus is a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus during the semester. Any changes made to the syllabus will be announced in advance.

## **TECHNOLOGY REQUIREMENTS**

### **LMS**

All course sections offered by Texas A&M University-Commerce have a corresponding course shell in the myLeo Online Learning Management System (LMS). Below are technical requirements

LMS Requirements:

<https://community.brightspace.com/s/article/Brightspace-Platform-Requirements>

LMS Browser Support:

[https://documentation.brightspace.com/EN/brightspace/requirements/all/browser\\_support.htm](https://documentation.brightspace.com/EN/brightspace/requirements/all/browser_support.htm)

ZOOM technology will be utilized for exams.

### **ACCESS AND NAVIGATION**

You will need your campus-wide ID (CWID) and password to log into the course. If you do not know your CWID or have forgotten your password, contact the Center for IT Excellence (CITE) at 903.468.6000 or [helpdesk@tamuc.edu](mailto:helpdesk@tamuc.edu).

**Note:** Personal computer and internet connection problems do not excuse the requirement to complete all course work in a timely and satisfactory manner. Each student needs to have a backup method to deal with these inevitable problems. These methods might include the availability of a backup PC at home or work, the temporary use of a computer at a friend's home, the local library, office service companies, Starbucks, a TAMUC campus open computer lab, etc.

## **COMMUNICATION AND SUPPORT**

If you have any questions or are having difficulties with the course material, please contact your Instructor.

### **Technical Support**

If you are having technical difficulty with any part of Brightspace, please contact Brightspace Technical Support at 1-877-325-7778. Other support options can be found here:

<https://community.brightspace.com/support/s/contactsupport>

## **Interaction with Instructor Statement**

It is expected that you will check your D2L course and email at least **DAILY** for communication from the instructor. Sundays are an exception-

Communication between faculty and students is primary and taken seriously. Preferred communication methods are individualized office hours, email, or via office phone. If a phone call is not answered, please leave a message and send an e-mail using the direct e-mail link on the

course home page. You will be treated with collegial respect and you are expected to communicate likewise in a professional manner.

It is expected that assignments will be graded and returned to the student within two (2) weeks of submission.

### **Nursing Student Guide**

Specific information for the nursing student regarding the nursing program and current policies and procedures can be found in the MSN Student Guide located

here: <https://www.tamuc.edu/academics/colleges/educationHumanServices/departments/nursing/documents/MSN%20Student%20Guide%202019.pdf>

## **COURSE AND UNIVERSITY PROCEDURES/POLICIES**

**Last day to drop class with a “W” is April ,2023**

### **University Specific Procedures/Policies**

**Students should not attend class when ill or after exposure to anyone with a communicable illness. Communicate such instances directly with your instructor. Faculty will work to support the student getting access to missed content or completing missed assignments.**

### **Student Conduct**

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment. The Code of Student Conduct is described in detail in the [Student Guidebook](#).

<http://www.tamuc.edu/Admissions/oneStopShop/undergraduateAdmissions/studentGuidebook.aspx>

Students should also consult the Rules of Netiquette for more information regarding how to interact with students in an online forum:

<https://www.britannica.com/topic/netiquette>

## **TAMUC Attendance**

For more information about the attendance policy please visit the [Attendance](#) webpage and [Procedure 13.99.99.R0.01](#).

<http://www.tamuc.edu/admissions/registrar/generalInformation/attendance.aspx>

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/academic/13.99.99.R0.01.pdf>

## **Academic Integrity**

Students at Texas A&M University-Commerce are expected to maintain high standards of integrity and honesty in all of their scholastic work. For more details and the definition of academic dishonesty see the following procedures:

[Undergraduate Academic Dishonesty 13.99.99.R0.03](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/undergraduates/13.99.99.R0.03UndergraduateAcademicDishonesty.pdf>

[Graduate Student Academic Dishonesty 13.99.99.R0.10](#)

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/13students/graduate/13.99.99.R0.10GraduateStudentAcademicDishonesty.pdf>

## **Students with Disabilities-- ADA Statement**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

### **Office of Student Disability Resources and Services**

Texas A&M University-Commerce

Gee Library- Room 162

Phone (903) 886-5150 or (903) 886-5835

Fax (903) 468-8148



Email: [studentdisabilityservices@tamuc.edu](mailto:studentdisabilityservices@tamuc.edu)

Website: [Office of Student Disability Resources and Services](#)

<http://www.tamuc.edu/campusLife/campusServices/studentDisabilityResourcesAndServices/>

## **Nondiscrimination Notice**

Texas A&M University-Commerce will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation on the basis of race, color, religion, sex, national origin, disability, age, genetic information or veteran status. Further, an environment free from discrimination on the basis of sexual orientation, gender identity, or gender expression will be maintained.

## **Campus Concealed Carry Statement**

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in Texas A&M University-Commerce buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and A&M-Commerce Rule 34.06.02.R1, license holders may not carry a concealed handgun in restricted locations.

For a list of locations, please refer to the [Carrying Concealed Handguns On Campus](#)

document and/or consult your event organizer.

Web url:

<http://www.tamuc.edu/aboutUs/policiesProceduresStandardsStatements/rulesProcedures/34SafetyOfEmployeesAndStudents/34.06.02.R1.pdf>

Pursuant to PC 46.035, the open carrying of handguns is prohibited on all A&M-Commerce campuses. Report violations to the University Police Department at 903-886-5868 or 9-1-1.

## **COURSE SPECIFIC PROCEDURES/POLICIES**

**CLASS :**

- Exam dates are listed in each course syllabus, and the student is expected to be present for exams. All exams are comprehensive. In the event that the student will be absent, the course coordinator must be notified in advance. Failure to do so may result in the student receiving a zero for the missed exam or quiz. Review the MSN Student Guide for the exam absence process

## **COURSE OUTLINE / CALENDAR**

<b>Week</b>	<b>Content</b>	<b>Readings</b>
1 1/17/23	Overview of course/syllabus Conscientious and Rational Prescribing Pharmacokinetics, Pharmacodynamics, Adverse drug reactions Individual variations to drug responses	Lehne: Chap 1-7
2 1/23/23	Drug Therapy Across the Life Span Drugs for Eyes, Ears, Skin	Lehne: Chap 8-10 Lehne: Chap 87-89
3 1/30/23	<b>2/1/2023 Quiz 0900</b>  Peripheral Nervous System Drugs	Lehne: Chap 11-17
4 2/6/23	Central Nervous System Drugs	Lehne: Chap 18-22
5 2/13/23	Drugs for Pain Drug Abuse	Lehne: Chap 23-25, 32-35
6 2/20/23	Psychotherapeutic Drugs	Lehne: Chap 26- 31
7 3/01/23	<b>Exam 1 (Ch 7-35, 87-89) @ 9AM-10AM</b>	All exams are comprehensive

8 3/6/23	Drugs that affect the heart, blood vessels, blood and blood volume – Part 1	Lehne: Chap 36-41
9 3/20/23	Drugs that affect the heart, blood vessels, blood and blood volume – Part 2  <b>3/22 Presentation due by 10pm</b>	Lehne: Chap 42-47
10 3/27/23	Drugs for Endocrine Disorders Women's Health Men's Health	Lehne: Chap 48-53
11 4/3/23	Anti-inflammatory, Antiallergic, and Immunologic Drugs  <b>4/5 Exam 2 (Ch 36-53) @ 9AM-10AM</b>	Lehne: Chap 54-58
12 4/10/23	Drugs for Bone and Joint Disorders Respiratory Tract Drugs	Lehne: Chap 59-61
13 4/17/23	Gastrointestinal Drugs Nutrition and Complimentary Therapies	Lehne: Chap 64-66
14 4/24/23	Therapy of Infectious and Parasitic Diseases – part 1	Lehne: Chap 70-76
15 5/01/23	Therapy of Infectious and Parasitic Diseases – part 2	Lehne: Chap 77-83
16 5/10/23	<b>Final Exam (focus Ch 54- 66,70-83) + all previous</b>	

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## Presentation Rubric

ASSIGNMENT CRITERIA	Excellent	Good	Satisfactory	Needs Improvement
<b>1) Drug name and Uses</b>	History and need of drug use	Current uses	Name and approved use	
<b>2) Drug Classification</b>	include generic & brand names in classifications	.		Very disorganized
<b>3) Drug action</b>	medication presented including action, drug-drug interaction, diet/rug interaction	Most medication information presented	Some medication information presented with some data gaps.	Minimal medication information presented with many data gaps.
<b>4) Therapeutic effect desired</b>	Desired therapeutic effects Presented f. Very organized.	Most therapeutic effects presented. General organization.	Some therapeutic effects presented. Some disorganization.	Minimal therapeutic effects presented with many data gaps.
<b>5) Common side effects for EACH drug</b>	Presented ALL common side effects most common to both drugs	Presented most common side effects most common to both drugs. Minimal data gaps.	Presented some side effects for both drugs with many data gaps.	Minimal side effects presented for one drug with many data gaps.
<b>7) Health teaching</b>	All health teaching provided OR would have been provided to client. Thorough, concise, relevant, organized. Critical thinking evident. Citations.	Most health teaching provided or would have been provided to client. Mostly relevant, organized, concise, and fairly thorough. Some citations.	Some health teaching presented for both drugs. Relevance not always clear, disorganized, minimal citation.	Minimal health teaching provided for one drug. Many data gaps.

<b>8) Evaluation of medication effectiveness</b>	Thoroughly presented drug effectiveness presented, subjective and objective data included. Data gaps noted.	Most drug effectiveness presented, data gaps identified, some data objective/subjective	Some drug effectiveness data presented. Data gaps not identified, objective or subjective minimal.	Minimal effectiveness presented. Data gaps identified, objective/subjective omitted.
<b>9) APA:</b>	APA correct; correct margins, double spaced, title & reference pages, numbered pages, correct in-paper citations, stapled only, no folders, rubric sheet. <b>0 errors.</b>	Mostly correct application of APA, meets most criteria. <b>1-5 errors.</b>	Some correct application of APA, meets some criteria. <b>6-10 errors.</b>	Minimal application of APA with many mistakes. <b>&gt;10 errors.</b>
<b>Spelling &amp; grammar:</b>	Perfect spelling and grammar. Grammar and spelling appropriate to college level writing expectations. <b>0 errors.</b>	Mostly correct spelling and grammar with only a few mistakes. Meets college level writing expectations. <b>1-5 errors.</b>	Several spelling and grammar mistakes. Below college level writing expectations. <b>6-10 errors.</b>	Numerous spelling and grammar errors. Below college level writing expectations. <b>&gt; 10 errors.</b>

Total  
Mark:

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\_\_\_\_\_/35

