

NUR 6318
Pharmacotherapeutics
Spring 2022



Instructor:

Email: beverly.greenwald@angelo.edu

Phone: 701-261-4795

Office: Virtual

Office Hours: Please arrange office hours by phone or email. I am available most times during the week or weekends.

Time Zone: All due dates and times in this syllabus are Central Standard Time (CST)

Course Information

Course Description

This course focuses on the study of advanced pharmacologic principles of drug categories used by advanced practice nurses.

Course Credits

Three Semester Credit Hours (3-0-0)

Online Class: Meets completely online using Blackboard

Prerequisite / Co-requisite Courses

None but must be of Graduate Status

Prerequisite Skills

Accessing internet web sites, use of ASU Library resources, and proficiency with Microsoft Word and/or PowerPoint are expectations of the program name. Computer access requirements are further delineated in the graduate Handbook. Tutorials for ASU Library and for Blackboard are available through RamPort. The ASU [Graduate Nursing Student Handbook¹](#) should be reviewed before taking this course.

Program Outcomes

Upon completion of the program of study for the MSN Program, the graduate will be prepared to:

1. Integrate nursing and related sciences into the delivery of advanced nursing care to diverse populations.
2. Apply organizational and systems leadership skills.
3. Design and implement quality improvement initiatives
4. Integrate best research evidence to improve health outcomes.
5. Utilize informatics, healthcare technology and information systems.
6. Advocate through system level policy development.

7. Employ effective communication in inter-professional teams
8. Synthesize the impact of health determinants for provision of culturally relevant health promotion/disease prevention strategies.
9. Practice at the level of a master's prepared nurse

Student Learning Outcomes

Student Learning Outcome By completing all course requirements, students will be able to:	Assessment(s) or activity(ies) validating outcome achievement:	Mapping to MSN Program Outcomes	Mapping to MSN Essentials	Mapping to NONPF Competencies
Analyze the pharmacokinetics and pharmacodynamics of broad categories of pharmacologic agents.	Reading Assignments Video Board Evidence-Based Clinical Practice Guidelines	1, 9	I.1, V.5, IX.4	Scientific Foundations.1
Integrate knowledge of chemistry, physiology, and pathophysiology to the pharmacotherapeutics of drugs as they impact specific disease processes.	Reading Assignments Video Board Evidence-Based Clinical Practice Guidelines	1, 9	I.1, I.5, V.5, IX.4, IX.7	Scientific Foundations.1 Scientific Foundations.2
Assemble a comprehensive knowledge base of drug therapy into the holistic management of acute and chronic health problems of patients across the lifespan.	Reading Assignments Video Board Evidence-Based Clinical Practice Guidelines	1, 8, 9	I.1, I.5, V.5, VIII.1, IX.4, IX.6, IX.7	Scientific Foundations.1 Practice Inquiry.2
Evaluate the impact of biologic, psychosocial, and economic factors on patient compliance to a pharmacological therapeutic regimen.	Reading Assignments Video Board Evidence-Based Clinical Practice Guidelines	1, 8, 9	I.1, I.5, V.5, VIII.1, IX.4, IX.6, IX.9	Scientific Foundations.1 Scientific Foundations.2
Analyze the potential drug interactions of single and multiple drug regimens on patients' health and disease processes to help improve practice processes and patient outcomes.	Reading Assignments Video Board Evidence-Based Clinical Practice Guidelines	1, 9	I.5, V.5, IX.4, IX.7	Scientific Foundations.1 Scientific Foundations.3 Practice Inquiry.2 Health Delivery System.3
Design patient-centered education for prescribed pharmacologic agents including: the drug's action, potential side effects or adverse reactions including (drug-drug and drug-food), and when the patient/family should seek medical attention.	Reading Assignments Video Board Evidence-Based Clinical Practice Guidelines	4, 9	V.5, VIII.1, VIII.3, IX.4	Scientific Foundations.1 Leadership.6 Quality.4 Technology and Information Literacy2.a

Student Learning Outcome By completing all course requirements, students will be able to:	Assessment(s) or activity(ies) validating outcome achievement:	Mapping to MSN Program Outcomes	Mapping to MSN Essentials	Mapping to NONPF Competencies
Integrate safe, evidenced-base and therapeutic prescriptive practices by the advanced practice nurse into case studies and coursework.	Reading Assignments Video Board Evidence-Based Clinical Practice Guidelines Prescriptive authority activity	2, 4, 9	IV.5, V.5, IX.4	Scientific Foundations.1 Leadership.6 Quality.1 Quality.4 Practice Inquiry.6

Course Delivery

This is an online course offering. The course will be delivered via the Blackboard Learning Management System. The course site can be accessed at [ASU's Blackboard Learning Management System²](#)

Required Texts and Materials

Woo, T. M. & Robinson, M. V. (2020). *Pharmacotherapeutics for Advanced Practice Nurse Prescribers* (5th ed.). F.A. Davis Company.

Recommended Texts and Materials

Lexicomp. (2019). *Drug information handbook for advanced practice nursing* (28th ed.).

Lexicomp. (Or an advanced drug resource for advanced practice nurses)

Sanford Guide to Antimicrobial Therapy. Treatment recommendations for all types of infections, updated monthly with the latest information. Includes bacteria and drug information, spectra of activity, dosing tables, calculators, and more. Updated monthly.
<https://www.sanfordguide.com/products/digital-subscriptions/>

Tarrascon Pocket Pharmacopoeia (Apps available for iphones/androids and a pocket edition)

Epocrates online or phone app

Medscape online or phone app

UpToDate app

Technology Requirements

To participate in one of ASU's distance education programs, you need this technology:

- A computer capable of running Windows 7 or later, or Mac OSX 10.8 or later
- The latest version of one of these web browsers: internet Explorer, Firefox, or Safari
- Microsoft Office Suite or a compatible Open Office Suite
- Adobe Acrobat Reader
- High Speed Internet Access
- Ethernet adapter cable required (wireless connections can drop during tests and Collaborate sessions)
- Webcam

Topic Outline

*Foundations for professional practice

***Medications by Body System:**

- autonomic nervous system
- central nervous system
- immune
- respiratory
- integumentary
- cardiovascular
- renal
- hematology
- endocrine
- reproductive
- gastrointestinal
- eye
- ear

***Antimicrobials**

***Analgesics**

***Special populations**

Time Zone

ASU and this faculty are on Central Standard Time (CST). All due dates and times in this syllabus are CST.

Required Use of Masks/Facial Coverings by Students in Class at Angelo State University

As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

Communication

Faculty will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday.

Written communication via email: All private communication will be done exclusively through ASU email addresses. *Please check your ASU email daily* for announcements and policy changes. The ASU Help Desk (800-942-2911 or 325-942-2911) can help you get your ASU email on your cell phone to assist with this essential communication.

Virtual communication: Office hours and/or advising may be done with the assistance of the telephone, Skype, Join.me, Google Hangouts, etc.

“Netiquette” Guidelines

- Check the discussion frequently and respond appropriately and on subject.
- Focus on one subject per message and use pertinent subject titles.
- Capitalize words only to highlight a point or for titles. Generally, words that are all capitalized are more difficult to read. Excessive capitalizing *may* be viewed as SHOUTING! (Meaning that capitalizing does highlight a point without being deemed shouting.)
- Be professional and careful with your online interaction. Proper address for faculty is by formal title such as Dr. or Ms./Mr. Jones unless invited by faculty to use a less formal approach.
- Cite all quotes, references, and sources. Quotes should be used sparingly, if at all. It is expected that students will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.
- When posting a long message, it is generally considered courteous to warn readers at the beginning of the message that it is a lengthy post. Be sure to *summarize, rather than copy* information from the internet or an article.
- It is extremely rude to forward someone else's messages without their permission.
- It is fine to use humor, but use it carefully. The absence of face-to-face cues can cause humor to be misinterpreted as criticism or flaming (angry, antagonistic criticism). Feel free to use emoticons such as J or :) to let others know you are being humorous.

(The above "netiquette" guidelines were adapted from Arlene H. Rinald's article, The Net User Guidelines and Netiquette, Florida Atlantic University, 1994, available from Netcom.)

Grading

Evaluation and Grades

Course grades will be determined as indicated in the table below.

Assessment	Points of Total Grade
Prescriptive Authority Exercise	15
Chapter Exercises	267.5
Student Self-Evaluation of Student Learning Outcomes	10
IDEA Evaluation	10
Total	307.5

Grading System

Course grades will be dependent upon successfully completing all course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:

A = 90.00-100 points

B = 80.00-89.99 points

C = 70.00-79.99 points

D = 60.00-69.99 points

F = 0-59.99 points (Grades are not rounded up)

Teaching Strategies

Students are expected to be “active learners.” It is a basic assumption of the instructor that students will be involved (beyond the materials and lectures presented in the course) discovering, processing, and applying the course information using peer-review journal articles, researching additional information and examples on the Internet, and discussing course material and clinical experiences with their peers.

Assignment and Activity Descriptions

Discussion Boards:

There is an “Introduction” Discussion Board in Week 1 that is not graded.

There are ungraded Question Discussion Boards for each Exercise in this course. Please be sure to check these Question Discussion Boards before submitting your work. Other students may have asked questions that might be of significance to you.

Chapter Exercises:

Weekly chapter exercises help determine student understanding of the course material. Each exercise is open-book and the answer entry time is limited to 3 hours. Students may use the textbook and other resources, just as one would do while in the practice setting. The content for each exercise is located on the Course Schedule.

Texas Board of Nursing Prescriptive Authority Exercise:

All students will complete the Texas Board of Nursing Prescriptive Authority Exercise. The purpose of this activity is to get the student familiar with where to find information on APRN prescriptive authority in the state of Texas and have a basic understanding of the content. The students will answer a series of questions with discussion surrounding the regulation of prescriptive authority for the APRN in Texas. The due date for this exercise is in the Course Schedule. Find the Word Document for this exercise in the Module for that due date.

Evidence-Based Clinical Practice Guidelines:

Evidence-Based Clinical Practice Guidelines (PDFs) on *course topics* are posted on the course Modules. All members of the interdisciplinary care team need to be familiar with these Evidence-Based Clinical Practice Guidelines. Nurse Educators need to educate undergraduate nurses to utilize these guidelines to ensure they make appropriate assessments and seek orders to address observed changes in the patients’ conditions. The directions for this exercise are included in the EBCP Guideline Q DB. The due date for each guideline is listed in the Course Schedule. Find the PDF document for each exercise in the Module for that due date. All guidelines get submitted under the same EBP Guideline link under “Exercises.”

Student Self-Evaluation of Student Learning Outcomes:

The Student Learning Outcomes for this course are listed in a table, above, and they are linked to the MSN Program outcomes, AACN Essentials, and the NONPF Competencies. Upon completion of this course, students will perform a self-evaluation regarding his or her success at meeting these Student Learning Outcomes. The due date for this assignment is listed in the Course Schedule. Find the Word document for this exercise in the Module for that due date, complete your work, and upload it under “Exercises” at the Self-Evaluation link. Be sure to

include your “supporting statements” as the points are for the supporting statements, although numerical scores are also required.

Assignment Submission

All Exercises must be submitted through the Exercises link in the Blackboard site. This is for grading, documenting, and archiving purposes. Issues with technology use arise from time to time. If a technology issue does occur regarding an Exercise submission, email me at Beverly.Greenwald@angelo.edu and *attach a copy* of what you are trying to submit. **Please contact the IT Service Center at (325) 942-2911 or go to your Technology Support tab to report the issue.** This process lets your faculty know you completed the Exercise on time and are just having problems with the online submission feature in Blackboard. Once the problem is resolved, submit your Exercise through the appropriate link. This process will document the problem and establish a timeline. Be sure to keep a backup of all work.

Late Work or Missed Assignments Policy

The course is set up on weekly modules. The week begins on Monday at 1 am CST and ends on Friday at 11 pm CST. Exercise due dates are shown on the Course Schedule. The Course Schedule is a standard part of our Course Syllabus Template so you can always find the Course Schedule in the syllabus. **Late submissions are not accepted without prior approval of faculty.** Students must complete all work for this course to pass this course, *even if the late submission is not accepted for a grade.* Faculty reserve the right to deduct points if late Exercises are accepted past the original due date.

General Policies Related to This Course

All students are required to follow the policies and procedures presented in these documents:

- [Angelo State University Student Handbook³](#)
- [Angelo State University Graduate Catalog⁴](#)
- [Graduate Nursing Student Handbook⁵](#)

Student Responsibility and Attendance

This class is asynchronous, meaning you do not have to be on-line at a certain time. There are readings which you will have to complete to be able to adequately participate in individual and group assignments. In order to complete this course successfully, you do have to participate in all course activities i.e. discussion boards, course projects, reflective logs, etc. Students are expected to engage in course activities and submit work by due dates and times. The hope is that students will make substantive contributions which reflect integration of assigned materials as well as any outside readings as appropriate. Scholarly contribution is an expectation. For planning purposes, this class will probably require a minimum of 6-9 study hours per week on average. The course is set up so that students can work ahead which assists with time-management and timely completion of course objectives.

Full participation in the course is a professional expectation and required for successful and satisfactory completion of all course objectives. Online classroom attendance is evidenced by timely participation in the discussions, assignments, and other assigned Exercises. Failure to contribute in a timely fashion to any weekly discussion is considered an absence, could

result in an evaluation of the student's ability to meet course objectives, and may result in failure of the course.

You are expected to check the course site at least 3 days per week to attend discussion forums and to check for announcements. The weeks begin on Monday at 1 am and postings will be accepted until Friday at 11 pm.

Students should check their email at least daily.

ASU email addresses are REQUIRED. No other email addresses will be acceptable.

Please note: students from other institutions, taking a one-time ASU course, are bound by ASU policies in this course.

Academic Integrity

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject of disciplinary action and possible expulsion from ASU.

The College of Health and Human Services adheres to the university's [Statement of Academic Integrity](#).⁶

Accommodations for Students with Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA) and subsequent legislation.

Student Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student's responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the [Student Disability Services website](#).⁷ The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford
Director of Student Disability Services
Office of Student Affairs
325-942-2047
dallas.swafford@angelo.edu
Houston Harte University Center, Room 112

Incomplete Grade Policy

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 [Grading Procedures](#)⁸ for more information.

Plagiarism

Plagiarism is a serious topic covered in ASU's [Academic Integrity policy](#)⁹ in the Student Handbook. Plagiarism is the action or practice of taking someone else's work, idea, etc., and passing it off as one's own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the [ASU Writing Center](#).¹⁰

Academic Calendar

Students are responsible for adhering to all dates set forth in the [ASU Academic Calendar](#)¹¹ for the semester.

Special Notes:

- a) If you are graduating this semester, please make sure you complete your application for graduation.
- b) If you are taking the Comprehensive Exam this semester, please register for this exam.
- c) Please note the University Calendar for the Last day to drop a class or withdraw from a regular semester
[Drop an online class](#)¹²
[Withdraw from school](#)¹³
- d) Notify your faculty if you plan to drop or withdraw. A general understanding of the circumstances will be helpful for program development.

Student Absence for Observance of Religious Holy Days

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for [Observance of Religious Holy Day](#)¹⁴ for more information.

Copyright Policy

Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.

Syllabus Changes

The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of

such changes by email, course announcements and/or via a discussion board announcement. It is the student's responsibility to look for such communications about the course on a daily basis.

Title IX at Angelo State University

Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.

You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Boone, J.D. You may submit reports in the following manner:

Online: www.angelo.edu/incident-form

Face to face: Mayer Administration Building, Room 210

Phone: 325-942-2022

Email: michelle.boone@angelo.edu

Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171).

For more information about resources related to sexual misconduct, Title IX, or Angelo State's policy please visit: www.angelo.edu/title-ix.

Course Disclaimer

Although it is never the intention of this course instructor to offend anyone, on rare occasions students do become offended during discussions. The nature of the content of this course may lead to someone being offended by ideas read or presented, or someone's ideas or opinions shared. The purpose is to encourage you to consider, objectively, the viewpoints reflected in other's works as you examine your own views, assumptions, and preconceptions in an attempt to formulate an informed, thoughtful, and defensible position. It is not the intent of this class to "indoctrinate" you into any particular point of view, persuade you to adopt any specific position, or even "challenge" your personal beliefs. The hope is that, together, we can all remain as objective as possible and keep our discussions on a high intellectual plane.

Course Schedule

Week/ Dates	Topic/Assignments/Activities/Assessments Due
Week 1: Jan 18 – Jan 21	<p>Topics:</p> <p>Foundations of Pharmacotherapeutics</p> <p>Principles of Pharmacology</p> <p>How new drugs are developed</p> <p>Receptors</p> <p>Pharmacokinetics</p> <p>Pharmacogenomics</p> <p>Genetics</p> <p>Pharmacogenetics</p> <p>Genetic differences of drug metabolism</p> <p>P-Glycoprotein</p> <p>Clinical implications</p> <p>Reading Assignment:</p> <p>Week 1 Module: see BB</p> <p>CH 2 – Review of Basic Principles of Pharmacology</p> <p>CH 6 – Pharmacogenetics</p> <p>Activity:</p> <p>Discussion Board Post: Self Introduction</p> <p>View Videos Week 1</p> <p>Assessment:</p> <p>Chapter Exercise Week 1 due Jan 21, 11 pm</p> <p>Please note:</p> <p>Grades are due May 16 at noon. If your facility is reimbursing you for your tuition please inform them of the time your grade will be available.</p>
Week 2: Jan 24 – Jan 28	<p>Topics:</p> <p>Foundations of Pharmacotherapeutics</p> <p>Role of the NP as Prescriber</p> <p>Review of the RN in medication management</p> <p>Role and responsibility of the APRN prescriber Advanced knowledge</p> <p>Benefits of an APRN as prescribers</p> <p>Clinical judgement in prescribing Collaboration with other providers</p> <p>Current issues and trends in health care</p> <p>Rational Drug Selection</p> <p>The process of rational drug prescribing Drug factors influencing drug selection</p> <p>Influences in rational prescribing</p> <p>Legal and Ethical Issues in Prescribing</p> <p>Federal drug law</p> <p>Controlled substance misuse: prescriber education</p> <p>State law</p> <p>Ethical aspects of prescribing</p>

Week/ Dates	Topic/Assignments/Activities/Assessments Due
	<p>Adverse Drug Reactions (ADRS)</p> <p>Mechanistic classification</p> <p>Time related ADRS</p> <p>Dose related ADRS</p> <p>Severity of ADRS</p> <p>Common causes of ADRS</p> <p>Risk factors</p> <p>Detection and assessment</p> <p>ADR reporting</p> <p>Information Technology and Pharm</p> <p>The electronic health record Clinical decision support systems</p> <p>Patient safety</p> <p>Medication reconciliation</p> <p>Patient privacy</p> <p>Patient education</p> <p>Quality improvement</p> <p>Pharmacoeconomics</p> <p>Pharmacoeconomic studies</p> <p>Impact of generic drugs on drug therapy</p> <p>Applying pharmacoeconomics to practice</p> <p>Reading Assignment:</p> <p>Week 2 Module: see BB</p> <p>CH 1 – The Role of the Nurse Practitioner as Prescriber</p> <p>CH 3 – Rational Drug Selection</p> <p>CH 4 – Legal and Professional Issues in Prescribing</p> <p>CH 5 – Adverse Drug Reactions</p> <p>CH 9 – Information Technology and Pharmacotherapeutics</p> <p>CH 10 – Pharmacoeconomics</p> <p>Activity:</p> <p>View Videos Week 2</p> <p>Assessment:</p> <p>Chapter Exercise Week 2 due Jan 28, 11 pm</p>
<p>Week 3:</p> <p>Jan 31 –</p> <p>Feb 4</p>	<p>Topics:</p> <p>Autonomic Nervous System</p> <p>Adrenergic agonists</p> <p>Alpha 2 agonists: central</p> <p>Adrenergic antagonists</p> <p>Alpha 1 antagonists</p> <p>Beta-adrenergic antagonists</p> <p>Combined alpha and beta adrenergic antagonists Cholinergic agonists Muscarinic agonists Cholinesterase inhibitors 7</p> <p>Cholinergic blockers</p>

Week/ Dates	Topic/Assignments/Activities/Assessments Due
	<p>Reading Assignment: Week 3 Module: see BB CH 11 – Drugs Affecting the Autonomic Nervous System</p> <p>Activities: Texas Board of Nursing Prescriptive Authority Exercise View Videos Week 3 Challenge Yourself: Case Study CH 11</p> <p>Assessment: Chapter Exercise Week 3, due Feb 4, 11 pm Texas Board of Nursing Prescriptive Authority Exercise, due Feb 4, 11 pm</p>
<p>Week 4: Feb 7 – Feb 11</p>	<p>Topics: Central Nervous System Anorexiant Anticonvulsants Antidepressants Antipsychotics Anxiolytics and hypnotics Mood stabilizers Muscle relaxants and antispasmodics Anxiety Depression Headaches</p> <p>Reading Assignment: Week 4 Module: see BB CH 12 – Drugs Affecting the Central Nervous System CH 30 – Anxiety and Depression CH 37 – Headaches</p> <p>Activities: View Videos Week 4 Challenge Yourself: Case Studies CHs 12, 30, & 37</p> <p>Assessments: Chapter Exercise Week 4 due Feb 11, 11 pm Bonus Points: Evidence-Based Clinical Practice Guidelines due Feb 11 at 11 pm: Parkinsons Alzheimers</p>
<p>Week 5: Feb 14 – Feb 18</p>	<p>Topics: Infectious Diseases Antibiotics Antimicrobial Resistance Antibiotics Antivirals Antifungals Anthelmintics Metronidazole, Nitazoxanide, & Tinidazole</p>

Week/ Dates	Topic/Assignments/Activities/Assessments Due
	<p>UTI's</p> <p>Reading Assignment: Week 5 Module: see BB CH 23 – Drugs Used to Treat Bacterial Infections CH 24 – Drugs Used to Treat Viral, Fungal, and Protozoal Infections CH 50 – Urinary Tract Infections</p> <p>Activities: View Videos Week 5 Challenge Yourself: Case Studies CHs 23, 24, & 50</p> <p>Assessments: Chapter Exercise Week 5 due Feb 18, 11 pm Bonus Points: Evidence-Based Clinical Practice Guideline due Feb 18 at 11 pm: Strep pharyngitis</p>
<p>Week 6: Feb 21 – Feb 25</p>	<p>Topics: Immune & Inflammatory Processes Immunizations Attenuated vaccines Influenza MMR MMRV Polio Rotavirus Varicella Zoster Inactivated vaccines DTP Hepatitis B Hepatitis A HPV Influenza Pneumococcal Meningococcal Inflammatory Processes Antigout and uricosuric agents Corticosteroids NSAIDS Aspirin and nonacetylated salicylates Rheumatoid arthritis Adrenal Insufficiency</p> <p>Reading Assignment: Week 6 Module: see BB CH 16 – Drugs Affecting the Immune System CH 25 – Drugs Used in Treating Inflammatory Processes</p> <p>Activities:</p>

Week/ Dates	Topic/Assignments/Activities/Assessments Due
	View Videos Week 6 Challenge Yourself: Case Studies CHs 16 & 25 Assessments: Chapter Exercise Week 6 due Feb 25 at 11 pm Bonus Points: Evidence-Based Clinical Practice Guidelines due Feb 25 at 11 pm: Vaccination Schedules: children and adult = 2 PDFs
Week 7: Feb 28 – Mar 4	Topics: Respiratory Bronchodilators Respiratory inhalants Allergy medications Cough and cold medications Asthma COPD Pneumonia Upper respiratory infections Viral URI Sinusitis Reading Assignment: Week 7 Module: see BB CH 14 – Drugs Affecting the Respiratory System CH 32 – Asthma and Chronic Obstructive Pulmonary Disease CH 45 – Pneumonia CH 46 – Smoking Cessation CH 49 – Upper Respiratory Infections Activities: View Videos Week 7 Challenge Yourself: Case Studies CHs 14, 32, 45, 46, & 49 Assessment: Chapter Exercise Week 7 due Mar 4 11 pm Bonus Points: Evidence-Based Clinical Practice Guidelines due Mar 4 11 pm: Community Acquired Pneumonia Chronic Obstructive Pulmonary Disease Asthma Acute Otitis Media
Week 8: Mar 7 – Mar 11	Topics: Integumentary Topical anti-infectives Agents to treat acne Topical corticosteroids Topical immunomodulators Topical antipsoriasis agents

Week/ Dates	Topic/Assignments/Activities/Assessments Due
	<p>Topical antiseborrheic meds Topical antihistamines and antipruritics Moisturizers, emollients, and lubricants Agents used in treatment of burns Scabicides and pediculicides Cauterizing and destructive agents Keratolytics Topical anesthetics Dermatitis Psoriasis Acne Reading Assignment: Week 8 Module: see BB CH 22 – Drugs Affecting the Integumentary System CH 34 – Dermatological Activities: View Videos Week 8 Challenge Yourself: Case Studies CHs 22 & 34 Assessment: Chapter Exercise Week 8 due Mar 11, 11 pm</p>
Mar 14 – Mar 18	Spring Break
Week 9: Mar 21 – Mar 25	<p>Topics: Cardiovascular Renal ACE inhibitors Angiotensin II receptor blockers Direct renin inhibitors Calcium channel blockers Cardiac glycosides Antiarrhythmics Nitrates Peripheral vasodilators Antilipidemics Diuretics Angina Reading Assignment: Week 9 Module: see BB CH 13 – Drugs Affecting the Cardiovascular and Renal Systems CH 29 – Angina Activities: View Videos Week 9 Challenge Yourself: Case Studies CHs 13 & 29 Assessments: Chapter Exercise Week 9 due Mar 25, 11 pm</p>

Week/ Dates	Topic/Assignments/Activities/Assessments Due
Week 10: Mar 28 – Apr 1	Topics: Cardiovascular Renal Heart Failure Lipids Hypertension Reading Assignment: Week 10 Module: see BB CH 38 – Heart Failure CH 41 – Hyperlipidemia CH 42 – Hypertension Activities: View Videos Week 10 Challenge Yourself: Case Studies CHs 38, 41, & 42 Assessments: Chapter Exercise Week 10 due Apr 1, 11 pm Bonus Points: Evidence-Based Clinical Practice Guidelines due Apr 1 at 11 pm: Hypertension Heart Failure
Week 11: Apr 4 – Apr 8	Topics: Hematology Hematopoietic System Anticoagulants and antiplatelets Hematopoietic growth factors Iron preparations Folic acid Vitamin B12 Anemia Reading Assignment: Week 11 Module: see BB CH 15 – Drugs Affecting the Hematopoietic System CH 28 – Anemia Activities: View Videos Week 11 Challenge Yourself: Case Studies CHs 15 & 28 Assessment: Chapter Exercise Week 11 due Apr 8, 11 pm
Week 12: Apr 11 – Apr 15	Topics: Endocrine Endocrine pancreatic hormones (insulin) Oral diabetic agents Thyroid agents Antithyroid agents

Week/ Dates	Topic/Assignments/Activities/Assessments Due
	<p>Diabetes Mellitus Hyperthyroidism Hypothyroidism</p> <p>Reading Assignment: Week 12 Module: see BB CH 18 – Drugs Affecting the Endocrine System: Pancreatic Hormones and Antidiabetic Drugs CH 19 – Drugs Affecting the Endocrine System: Pituitary, Thyroid, and Adrenal Drugs CH 35 – Diabetes Mellitus CH 43 – Hyperthyroidism and Hypothyroidism</p> <p>Activities: View Videos Week 12 Challenge Yourself: Case Studies CHs 18, 19, 35, & 43</p> <p>Assessments: Chapter Exercise Week 12 due Apr 15, 11 pm Bonus Points: Evidence-Based Clinical Practice Guidelines due Apr 15: Diabetes Obesity</p>
<p>Week 13: Apr 18 – Apr 22</p>	<p>Topics: Reproductive Androgens and antiandrogens Estrogens and antiestrogens Progesterones and progesterone antagonists Erectile Dysfunction Contraception HRT Osteoporosis STD's Vaginitis</p> <p>Reading Assignment: Week 13 Module: see BB CH 20 – Drugs Affecting the Reproductive System CH 33 – Contraception CH 40 – Hormone Replacement and Osteoporosis CH 21 – Drugs Affecting the Bones and Joints CH 47 – Sexually transmitted Diseases and Vaginitis</p> <p>Activities: View Videos Week 13 Challenge Yourself: Case Studies CHs 20, 33, 40, 21, & 47</p> <p>Assessments: Chapter Exercise Week 13 due Apr 22, 11 pm Contraceptives Exercise Week 13 due Apr 22, 11 pm</p>

Week/ Dates	Topic/Assignments/Activities/Assessments Due
	Bonus Points: Evidence-Based Clinical Practice Guidelines due Apr 22 at 11 pm: Polycystic Ovarian Syndrome Prostatitis
Week 14: Apr 25 – Apr 29 Apr 28: last drop date	Topics: Gastrointestinal Eye & Ear Gastrointestinal System Antacids Antidiarrheals Cytoprotective agents Antiemetics Emetics Histamine 2 receptor antagonists Prokinetics Proton pump inhibitors Laxatives GERD PUD Eye & Ear Disorders Ophthalmic anti-infectives Antiglaucoma agents Ocular antiallergic and anti-inflammatory agents Ocular lubricants Ophthalmic vasoconstrictors Otic anti-infectives Otic analgesics Ceruminolytics Otitis Media Otitis Externa Reading Assignment: Week 14 Module: see BB CH 17 – Drugs Affecting the Gastrointestinal System CH 36 – Gastroesophageal Reflux and Peptic Ulcer Disease CH 26 – Drugs Used in Treating Eye and Ear Disorders Activities: View Videos Week 14 Challenge Yourself: Case Studies CHs 17, 36, & 26 Assessments: Chapter Exercise Week 14 due Apr 29 at 11pm Bonus Points: Evidence-Based Clinical Practice Guideline: GERD Student Self-Evaluation of Learning Outcomes due Apr 29 at 11 pm.
Week 15: May 2 – May 6	Topics: Special Populations Pain

Week/ Dates	Topic/Assignments/Activities/Assessments Due
at 12 Noon	<p>Women as Patients Men as Patients Pediatric Population Geriatric Population Polypharmacy Health literacy Acute Pain Chronic Pain https://qioprogram.org/sites/default/files/2019BeersCriteria_JAGS.pdf http://medstopper.com/ https://www.medscape.com/slideshow/deprescribing-6009041?src=WNL_infoc_181205_MSCPEDIT_pcp&uac=155132HV&impID=1821316&faf=1 How to spot a “Dr. Shopper” video: https://www.nodakpharmacy.com/</p> <p>Reading Assignment: Week 15 Module: see BB CH 51 – Women as Patients CH 52 – Men as Patients CH 53 – Pediatric Patients CH 54 – Transgendered Clients as Patients CH 55 – Geriatric Patients CH 44 – Pain Management: Acute and Chronic Pain</p> <p>Activities: View Videos Week 15 Challenge Yourself: Case Studies CHs 51, 52, 53, 54, 55, & 44</p> <p>Assessments: IDEA Ratings of Instruction (10 points, released by university personnel, attest on IDEA DB that this survey was completed for 10 points. This post for 10 points is due by May 6 at 12 noon. Note this is a rare due time; most due times are 11 pm) Chapter Exercise Week 15 due May 6 at 12 noon</p> <p>Please note: Grades are due May 16 at noon. If your facility is reimbursing you for your tuition please inform them of the time your grade will be available.</p>

Student Evaluation of Faculty and Course

Students in all programs are given the opportunity to evaluate their courses and the faculty who teach them. Evaluations are most helpful when they are honest, fair, constructive, and pertinent to the class, clinical experience, or course. Faculty value student evaluations, and use student suggestions in making modifications in courses, labs and clinical experiences.

Angelo State University uses the IDEA (Individual Development and Educational Assessment) system administered through Kansas State University for all course evaluations. The Office of

Institutional Research and Assessment administers IDEA for the entire university, online and has established a policy whereby students can complete course evaluations free from coercion. Areas on the IDEA evaluation include:

1. Learning to apply course material (to improve thinking, problem solving, and decisions)
2. Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course

End of Syllabus

¹ <https://www.angelo.edu/content/files/18423-graduate-student-handbook-ay-2019-2020>

² https://blackboard.angelo.edu/webapps/portal/execute/tabs/tabAction?tab_tab_group_id=223_1

³ <https://www.angelo.edu/student-handbook/>

⁴ <https://www.angelo.edu/catalogs/>

⁵ <https://www.angelo.edu/content/files/18423-graduate-student-handbook-fall-2014>

⁶ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

⁷ <https://www.angelo.edu/services/disability-services/>

⁸ <https://www.angelo.edu/content/files/14197-op-1011-grading-procedures>

⁹ <https://www.angelo.edu/student-handbook/community-policies/academic-integrity.php>

¹⁰ https://www.angelo.edu/dept/writing_center/academic_honesty.php

¹¹ https://www.angelo.edu/services/registrar's_office/academic_calendar.php

¹² <https://www.angelo.edu/content/forms/290-course-drop-request-form>

¹³ https://www.angelo.edu/services/saem/withdrawal_form.php

¹⁴ <https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of>