



NURS 3312.01B Principles of Pharmacology

COURSE SYLLABUS: Fall 2024; Wednesdays 1130 – 1420; Room 294

INSTRUCTOR INFORMATION

Instructor: Jennifer Ashcraft, MSN Ed., RN

Office Location: NHS Building, Nursing Department # 230

Office Hours: Monday: By appointment only; Tuesday: 1600-1700; Wednesday: 0730-1130 & 1430-1700; Thursday: 0730-1000 & 1500-1700; Friday: By appointment only

Office Phone: **903-886-5315**

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University Email Address: jennifer.ashcraft@tamuc.edu

Preferred Form of Communication: email

Communication Response Time: Two business days

COURSE INFORMATION

Materials – Textbooks, Readings, Supplementary Readings

Required Textbooks: These books are provided to students by ATI

RN pharmacology for nursing (9th ed.). (2023). Assessment Technologies Institute

(Author). Smith, B. T. & Pacitti, D. F. (2020). *Pharmacology for nurses* (2nd ed).

Jones Bartlett Learning. ISBN: 9781284141986

Nurse's drug handbook. (2023). Jones & Bartlett Learning (Author). ISBN

9781284274103

Highly Recommended Texts:

American Psychological Association. (2020). Publication manual of the American

Psychological Association (7th ed.). American Psychological Association. ISBN:

978-1-4338-3216-1

The syllabus/schedule are subject to change.

Software Required:

- Microsoft Office
- ExamSoft Exemplify
- Assessment Technologies Institute, LLC. (2021). <https://www.atitesting.com>

Course Description

Introduces fundamental principles of pharmacology essential for nursing practice; Emphasizes understanding drug classifications, mechanisms of action, therapeutic uses, adverse effects, and nursing implications; Integrates pharmacological knowledge with nursing assessments, interventions, and patient education to promote safe and effective medication administration.

Student Learning Outcomes

By the end of the course, students will be able to demonstrate a thorough understanding of pharmacological principles and apply this knowledge to nursing practice, ensuring safe and effective medication administration and patient care.

1. Apply general concepts of pharmacokinetic and pharmacodynamic processes in drug therapy. (PLO 1, 2, 6; AACN Essentials 1, 2, 5, 8, 9)
2. Recognize significant side effects, adverse drug reactions, drug-drug interactions, and drug-nutrient interactions (PLO 1, 2, 6; AACN Essentials 1, 2, 5)
3. Associate prototype drugs with appropriate major drug classifications. (PLO 1, 2, 6; AACN Essentials 1)
4. Provide patient medication teaching that reflects rural access, developmental stage, age, culture, and spirituality (PLO 1, 2, 3, 6; AACN Essentials 1, 2, 3)

COURSE REQUIREMENTS**Minimal Technical Skills Needed**

Using the learning management system, using Microsoft Word, Microsoft Excel and PowerPoint.

Instructional Methods

This course requires students to complete reading assignments, online activities, and independent study to be successful. Course objectives may be met through individual study using suggested resources, active involvement in classroom activities, formal, and informal exchange of ideas with classmates and colleagues regarding specific topics as well as utilizing

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critical thinking skills. Teaching methods include lecture, seminar, discussion, small group work, independent study of texts and library resources, computer-assisted instruction, audio-visual aids, and assignments. While the professor will provide guidance and consultation, the student is responsible for identification of learning needs, self-direction, seeking consultation, and demonstration of course objectives.

Student Responsibilities or Tips for Success in the Course

- Logging into the course website and email regularly for faculty communication (especially the night before class/clinical)
- Updating semester calendar with communicated changes
- Regular study (recommend a minimum 2-3 hours study/course credit hour per week). For example 3-credit course = 6 to 9 hours study time/week.
- Attendance at all class meetings, clinical, seminars and simulations
- Review and remediation of examinations.

Advising Statement

Before being accepted and entering the nursing program, undergraduate students may have been advised by a pre-nursing advisor. However, once admitted into nursing, the nursing faculty become the student's advisor. The nursing department subscribes firmly to the chain of command because, as nurses, that is how most employers will require you to resolve issues. If you have a problem with a course, you should contact your instructor, then the course coordinator, then the department head for nursing. Therefore, any advisement questions or any other concerns you have should first be discussed with your clinical or course instructor. She/he is your advisor for that semester.

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 = Below 60%

ASSESSMENTS

Assignments	Weight
Exams (7) 10% each	70%
Class Prework (15) 1% Each	15%
ATI Pharmacology Assessment	5%

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Attendance & Participation	10%
Total	100%

A minimum grade of 75 is required to pass the course. The average of the 5 modular exams and one comprehensive final exam **MUST** be 75% or greater before ANY other course grades are averaged to compose the final grade. If the exam average is below 75%, the student will receive the grade of “D or F” for the course regardless of any other grade(s).

Other graded assignments will not be added to the final grade unless exam grade average is 75% or higher.

All students with an exam grade of less than 75 should review their exam. It is the student’s responsibility to contact their course faculty or the Student Success Coach to set up an appointment to review the exam. The exam must be reviewed before the next scheduled exam. Only the most current exam may be reviewed. All students are welcome to review their exams by scheduling an appointment with course faculty.

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

For Clinical Courses:

The clinical component is PASS/FAIL and must be passed in order to pass the course. To receive a passing grade in clinical you must achieve 75% or better on each of the clinical assignments and receive a satisfactory clinical evaluation. You may redo any assignments one time that are less than 75% but 75% is the maximum grade you will receive for the redone assignment.

Clinical is graded Pass/Fail. If the student fails the clinical component, the entire course must be repeated.

You must also adhere to the expected clinical behaviors. Any instance of violation of any of the objectives listed in the Student Performance and Behaviors Evaluation Form may result in clinical suspension, receipt of a Student Performance and Behaviors Evaluation form, failure of clinical, failure of the course, and/or removal from the nursing program. See Student Guide for more information.

For Standardized Exams:

TAMUC School of Nursing utilizes Assessment Technologies Institute (ATI) assessment materials (content mastery practice assessments and content mastery proctored assessments) to guide and assess mastery of nursing content necessary for entry into practice. Specific ATI assessment and grading guidelines are outlined in the document entitled “ATI Content Mastery Series (CMS) Assessment Grading Rubric” in the LMS module folder entitled “ATI Assessment Grading Rubric”.

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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 3rd 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, possibly, failure of clinical/course.

Paper Submissions:

All documents submitted online are to be in .docx, .rtf, or .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.

Group Work:

All members of the group will receive the same grade on any group work. However, a student can be removed from his/her team if the other students in the group come to the instructor and report that a student is not doing his/her fair share of the work. If that happens, the instructor will notify the student in writing. The student will then be responsible for doing the assignment on his/her own. It is expected that the group will make the attempt to resolve the situation within the group before instructor intervention.

Assessments

- Module Exams
Exams will be administered through ExamSoft.
 There are 6 proctored, computer-based examinations and a final comprehensive computer-based examination. The Course Schedule identifies exam dates and applicable content. Questions will be in multiple formats, which could include multiple-choice, select all that apply, matching, sorting, short answer, hot spot, and more.
NOTE: Students arriving after the exam has begun may not be permitted entry. Students will need to take a make-up exam at a date/time schedule by faculty. Failure to arrive on time for a make-up exam may result in a zero.
If an exam is missed due to illness, the student must provide a doctor's note. Failure to provide a doctor's note will result in a zero for the exam. Students can utilize the Student Health Services on campus free of charge for medical evaluation and receive a doctor's note.
- Proctored ATI RN Pharmacology

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The pharmacology assessment measures pharmacology knowledge, skills, and attitudes related to common medications used in patient care in a variety of settings. Assessment results help students identify and correct knowledge gaps in preparation for patient care and disease management.

- **Pework Module Activities**
There are prework assignments for each module. The purpose of the prework is to prepare you for class.
The Core Drug List contains 60 commonly used drugs in healthcare. A minimum of 30 drugs must be completed and submitted per the course outline/schedule and the completed list of all 60 drugs must be submitted per the course outline/schedule.
- **Attendance and Participation**
This assignment requires and recognizes student engagement in the teaching/learning process. Attendance is met by being present for the entirety of each class session. Participation is met by actively joining in classroom activities and post class participation assignments.

Class

There are a variety of assignments for this class to meet the learning outcomes and to accommodate different learning styles. Assignment rubrics will be posted in D2L. Class meetings will occur **every Wednesday morning (1130 - 1420)**. You are expected to come to class prepared to engage in content discussions.

Exams will occur on selected Wednesday (1130 – 1230) per the course outline/schedule attached.

All work in this course is individual work unless specified as group work.

Any incidence of academic dishonesty (copying, plagiarism, cheating, etc.) will result in a failure of the assignment and may result in failure of the course as per the TAMUC Academic Dishonesty Policy.

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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

YouSeeU Virtual Classroom Requirements:

<https://support.youseeu.com/hc/en-us/articles/115007031107-Basic-System-Requirements>

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.

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>

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Interaction with Instructor Statement

It is expected that you will check your D2L course and email regularly for communication from the instructor(s). Be sure to check the night before class/clinical. A response to any email or message will occur within two (2) business days.

Communication between faculty and students is primary and taken seriously. Preferred communication methods are individualized office hours, email, or via cell-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.

Faculty will make every effort to return class assignments within two weeks of submission and feedback on clinical work before subsequent work is due.

COURSE AND UNIVERSITY PROCEDURES/POLICIES

Course Specific Procedures/Policies

Nursing Student Guide

Specific information regarding the nursing program and current policies and procedures can be found in the current BSN Student Guide found in the Student Success Coaching Course in D2L.

It is the student's responsibility to review and understand the policies and procedures provided in the student guidebook as all students are held to the statutes and policies therein.

Syllabus Change Policy

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

Class

1. **Class Cancellation:** In the event that a class is canceled, the student is expected to do the readings and complete the objectives for that day. The content will still be included on examinations. The material in this syllabus and dates identified in the Course Calendar are subject to change.
2. **Class attendance** is expected. The students should notify course coordinator in advance of any absence.
3. **Exam dates** are listed in each course syllabus, and the student is expected to be present for exams. 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 BSN Student Guide for the exam absence process.

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4. As an adult learner and responsible professional, the student is responsible for reading and completing assignments prior to class and for being prepared to participate in discussions over the assigned material. It should not be expected that all material would be covered in class. Students are expected to come to class prepared.

Medication Administration

Medication Calculation content and quizzes will be covered in multiple courses throughout the curriculum. Medication calculation exam(s) will occur in the following nursing courses: NURS 3620, 3630, 3531, 4541, and 4650. The number of items may range from 5 to 20 to establish competency. Other courses may choose to incorporate medication calculation in class, clinical, or exams as identified in the course syllabus.

1. A medication calculation quiz will be given prior to the start of clinical rotations. Students must achieve 100% on the quiz to administer medications.
2. In addition to being unable to administer medications, students not achieving 100% on the medication calculation exam will be required to complete mediation.
3. Scheduling of remediation is the student's responsibility. A general remediation plan is located in the course syllabus. A specific remediation plan may be created between the student and course faculty at the discretion of the course faculty.
4. Students may remediate with their clinical faculty, course faculty, skills lab coordinator or with tutor depending on availability. The student must email in advance to schedule remediation and receive a confirmation response.
5. Students not achieving 100% on the medication calculation quiz will have the opportunity to take another medication calculation quiz at least weekly until 100% is achieved or until the 4th week of clinical.
6. In lieu of a separate medication calculation quiz, a student who achieves 100% on medication calculation questions on a course exam will have demonstrated sufficient knowledge of mediation calculation and will be taken off of remediation. After being removed from remediation, students will be allowed to administer medication in clinical. Clinical faculty will be notified once a student can administer medications.
7. Students who fail to achieve 100% on the medication calculation quiz by the fourth week of clinical will be suspended from all clinical activities for inability to meet minimum patient care safety requirements. Clinical hours missed during suspension must be completed before the semester's end.
8. While on suspension, it is the student's responsibility to set up and attend remediation. Medication calculation quizzes will be set up at the discretion of the course coordinator.
9. A student may miss no more than 2 clinical experiences due to suspension before failure of the clinical portion of the course. A student must make a 100% on the medication calculation quiz during this time in order to pass the clinical portion of the course.

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University Specific Procedures

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.

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](#)

[Undergraduate Student Academic Dishonesty Form](#)

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

[Graduate Student Academic Dishonesty Form](#)

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

Velma K. Waters Library Rm 162

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

Fax (903) 468-8148

Email: studentdisabilityservices@tamuc.edu

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

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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.

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.

The Counseling Center at A&M-Commerce, located in the Halladay Building, Room 203, offers counseling services, educational programming, and connection to community resources for students. Students have 24/7 access to the Counseling Center's crisis assessment services by calling 903-886-5145. For more information regarding Counseling Center events and confidential services, please visit www.tamuc.edu/counsel

Mental Health and Well-Being

The university aims to provide students with essential knowledge and tools to understand and support mental health. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.



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Department or Accrediting Agency Required Content

The Board of Nursing requires applicants, students throughout the program, graduates and licensure renewals to answer questions as to their ability to be admitted to a nursing program, sit for the NCLEX-RN exam or be re-licensed. You are responsible for checking those questions to be sure you remain in compliance. Keep in mind that your fingerprints are on file with the BON so if you should ever be arrested, they would be notified. You should notify them proactively. The link is as follows:

https://www.bon.texas.gov/licensure_eligibility.asp

COURSE OUTLINE / CALENDAR

NURS 3312 – Principles of Pharmacology
Fall 2024: Wednesdays 1130 – 1420 in NHS 294

***See weekly module in D2L for specific page number for all reading assignments**

**** Drugs include on Core Drug List**

Week 1	Aug 26 – Sept 1	<p>Attend Class August 28</p> <ul style="list-style-type: none"> • Orientation/Syllabus Review <p>Due August 30 @ 2359</p> <p>Week 1 Assignment:</p> <ul style="list-style-type: none"> • ATI Pharmacology Made Easy Module: Introduction to Pharmacology <p>Read the following content:</p> <ul style="list-style-type: none"> • Chapter 1 Pharmacokinetics and Routes of Administration* • Chapter 2 Safe Medication Administration and Error Reduction* • Chapter 5 Adverse Effects, Interactions, and Contraindications*
Week 2	Sept 2 – Sept 8	<p>Attend Class September 4</p> <p>Due September 3 @ 2359</p> <p>Week 2 Prework:</p> <ul style="list-style-type: none"> • ATI Active Stack Pharmacology Flash Cards: Principles of Pharmacology <p>Read the following content:</p> <ul style="list-style-type: none"> • Chapter 47 Complementary, Alternative, and Integrative Therapies*
Week 3	Sept 9 – Sept 15	<p>Attend Class September 11</p> <p>EXAM 1 – Covers content from week 1 and 2</p> <p>Due September 10 @ 2359</p> <p>Week 3 Prework:</p> <ul style="list-style-type: none"> • ATI Pharmacology Made Easy Module: The Immune System <p>Read the following content:</p> <ul style="list-style-type: none"> • Chapter 39 Immunizations* • Chapter 39 Immunizations* <p>Drugs to Know</p> <ul style="list-style-type: none"> • Beta-adrenergic blockers • Alpha₂ adrenergic agonists • Prostaglandin analogs • Osmotic agents • Carbonic anhydrase inhibitor (systemic) • Antimicrobials

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- Fluoroquinolone antibiotic plus steroid medication
- Week 4 Sept 16 – Sept 22 **Attend Class September 18**
Due September 17 @ 2359
 Week 4 Prework:
- ATI Pharmacology Made Easy Module: The Immune System
- Read the following content:**
- Chapter 39 Immunizations*
 - Chapter 40 Chemotherapy Agents*
- Drugs to Know**
- Pneumococcal conjugate vaccine (PCV 15 or 30)
 - Pneumococcal polysaccharide vaccine (PPSV23)
 - Hepatitis A
 - Hepatitis B
 - Inactivated influenza vaccine
 - Live, attenuated influenza vaccine
 - Methotrexate
 - Mitoxantrone
 - Topotecan
- Week 5 Sept 23 – Sept 29 **Attend Class September 25**
EXAM 2 – Covers content from week 3 and 4
Due September 24 @ 2359
 Week 5 Prework:
- ATI Pharmacology Made Easy Module: The Hematologic System
- Read the following content:**
- Chapter 23 Medications Affecting Coagulation*
 - Chapter 24 Growth Factors*
 - Chapter 25 Blood and Blood Products*
- Drugs to Know**
- Unfractionated Heparin**
 - Enoxaparin**
 - Warfarin**
 - Dabigatran
 - Rivaroxaban
 - Clopidogrel**
 - Aspirin**
 - Erythropoietin
 - Whole blood
 - Packed red blood cells
 - Platelet Concentrate

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| Week 6 | Sept 30 – Oct 6 | <ul style="list-style-type: none"> • Fresh Frozen Plasma • Albumin <p>Attend Class October 2
Due October 1 @ 2359</p> <p>Week 6 Prework:</p> <ul style="list-style-type: none"> • ATI Pharmacology Made Easy Module: The Respiratory System <p>Read the following content:</p> <ul style="list-style-type: none"> • Chapter 16 Airflow Disorders* • Chapter 17 Upper Respiratory Disorders* <p>Drugs to Know</p> <ul style="list-style-type: none"> • Albuterol** • Terbutaline • Ipratropium • Prednisone** • Montelukast** • Dextromethorphan • Guaifenesin • Acetylcysteine • Phenylephrine • Diphenhydramine • Loratadine • Cetirizine • Fluticasone |
| Week 7 | Oct 7 – Oct 13 | <p>Attend Class October 9
Due October 8 @ 2359</p> <p>Week 7 Prework:</p> <ul style="list-style-type: none"> • ATI Pharmacology Made Easy Module: The Cardiovascular System <p>Read the following content:</p> <ul style="list-style-type: none"> • Chapter 18 Medication Affecting Urinary Output* • Chapter 19 Medications Affecting Blood Pressure* • Chapter 20 Cardiac Glycosides and Heart Failure* • Chapter 21 Angina and Antilipemic Agents* • Chapter 22 Medications Affecting Cardiac Rhythm* <p>Drugs to Know</p> <ul style="list-style-type: none"> • Furosemide** • Hydrochlorothiazide • Lisinopril** • Losartan** |

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- Spironolactone
- Diltiazem**
- Amlodipine**
- Prazosin
- Metoprolol**
- Digoxin**
- Nitroglycerin**
- Atorvastatin**
- Simvastatin**
- Adenosine
- Lidocaine
- Amiodarone
- Potassium chloride**

Week 8 Oct 14 – Oct 20

Attend Class October 16

EXAM 3 Covers content from weeks 5, 6, and 7

Due October 15 @ 2359

Core Drug List Minimum of 30 drugs completed

Week 8 Prework:

- ATI Pharmacology Made Easy Module: The Gastrointestinal System

Read the following content:

- Chapter 26 Peptic Ulcer Disease*
- Chapter 27 Gastrointestinal Disorders*
- Chapter 28 Vitamins and Minerals

Drugs to Know

- Metronidazole
- Famotidine**
- Cimetidine
- Omeprazole**
- Pantoprazole**
- Sucralfate
- Magnesium hydroxide**
- Ondansetron**
- Docusate sodium**
- Senna**
- Metoclopramide**
- Promethazine**
- Ferrous sulfate

Week 9 Oct 21 – Oct 27

Attend Class October 23

Due October 22 @ 2359

Week 9 Prework:

- ATI Pharmacology Made Easy Module: The Musculoskeletal System

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Read the following content:

- Chapter 31 Connective Tissue Disorders*
- Chapter 32 Bone Disorders*

Drugs to Know

- Colchicine
- Allopurinol
- Methotrexate
- Infliximab
- Calcium citrate
- Alendronate
- Calcitonin-salmon

Week 10 Oct 28 – Nov 3

Attend Class October 30

EXAM 4 Covers Content from weeks 8 and 9

Due October 29 @ 2359

Week 10 Prework:

- ATI Pharmacology Made Easy Module: The Neurological System

Read the following content:

- Chapter 7 Depressive Disorders*
- Chapter 8 Bipolar Disorders**
- Chapter 9 Psychotic Disorders
- Chapter 12 Chronic Neurologic Disorders*
- Chapter 14 Miscellaneous Central Nervous System Medications*
- Chapter 15 Sedative-hypnotics*

Drugs to Know

- Donepezil
- Levodopa
- Ropinirole
- Phenytoin
- Valporic Acid**
- Carbamazepine**
- Levetiracetam**
- Topiramate**
- Diazepam
- Lorazepam
- Succinylcholine
- Cyclobenzaprine**
- Baclofen**
- Tizanidine
- Fluoxetine
- Sertraline**
- Haloperidol**

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- Alprazolam**

OCTOBER 31 – LAST DAY TO DROP

Week 11 Nov 4 – Nov 10

Attend Class November 6

Due November 5 @ 2359

Week 11 Prework:

- ATI Pharmacology Made Easy Module: The Reproductive and Genitourinary Systems*
- ATI Pharmacology Made Easy Module: Infection

Read the following content:

- Chapter 29 Medications Affecting the Reproductive Tract
- Chapter 30 Medications Affecting Labor and Delivery
- Chapter 41 Principles of Antimicrobial Therapy
- Chapter 42 Antibiotics affecting the Bacterial Cell Wall
- Chapter 43 Antibiotic Affecting Protein Synthesis
- Chapter 44 Urinary Tract Infections
- Chapter 45 Mycobacterial, Fungal, and Parasitic Infections

Drugs to Know

- Hormonal Contraceptives
- Emergency Oral Contraceptive
- Androgens
- Sildenafil
- Oxytocin
- Misoprostol
- Methylergonovine
- Terbutaline
- Magnesium
- Amoxicillin
- Cephalexin
- Erythromycin
- Vancomycin**
- Tetracycline
- Gentamicin
- Trimethoprim-sulfamethoxazole**
- Ciprofloxacin**
- Levofloxacin**
- Phenazopyridine
- Isoniazid

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- Rifampin
- Metronidazole
- Nystatin

Week 12 Nov 11 – Nov 17

Attend Class November 13

Exam 5 Covers Content from weeks 10 and 11

Due November 5 @ 2359

Week 12 Prework:

- ATI Pharmacology Made Easy Module: The Endocrine System*

Read the following content:

- Chapter 37 Diabetes Mellitus
- Chapter 38 Endocrine Disorders

Drugs to Know

- Lispro Insulin**
- Regular Insulin**
- NPH Insulin**
- Insulin glargine U-100**
- Glipizide
- Metformin**
- Sitagliptin
- Semaglutide
- Glucagon
- Levothyroxine**
- Hydrocortisone

Week 13 Nov 18 – Nov 24

Attend Class November 20

Due November 5 @ 2359

Week 13 Prework:

- ATI Pharmacology Made Easy Module: Pain and Inflammation

Read the following content:

- Chapter 33 Non-Opioid Analgesics
- Chapter 34 Opioid Agonists and Antagonists
- Chapter 35 Adjuvant Medications for Pain
- Chapter 36 Miscellaneous Pain Medications

Drugs to Know

- Ibuprofen**
- Naproxen**
- Ketorolac**
- Acetaminophen**
- Morphine**
- Hydromorphone**
- Tramadol**
- Hydrocodone**

The syllabus/schedule are subject to change.

- Naloxone**
- Sumatriptain
- Lidocaine Patch
- Gabapentin**

Week 14	Nov 25 – Dec 1	NOVEMBER 26 LAST DAY TO WITHDRAWAL Due November 26 @ 2359 Completed Core Drug List NO CLASS November 27 Thanksgiving Holiday
Week 15	Dec 2 – Dec 6	Attend Class December 4 Exam 6 Covers content from weeks 12 and 13 ATI Practice A Exam Due November 6 @ 2359 ATI Practice A Remediation
Week 16	Dec 9 – Dec 12	FINALS WEEK Attend FINALS December 11 0800 – 1000 Final Pharmacology Comprehensive Exam

Rubrics

The syllabus/schedule are subject to change.