



**MAST 1030 PHARMACOLOGY IN THE MEDICAL OFFICE  
COURSE SYLLABUS  
Spring Semester 2018**

**COURSE INFORMATION**

Credit Hours/Minutes: 4/3000  
Class Location: Building 8 Room 8166  
Class Meets: Monday through Thursday 10:00-10:50  
Course Reference Number (CRN): 40243

**INSTRUCTOR CONTACT INFORMATION**

Instructor Name: Kimberly Brown, BSHS, CMA (AAMA), CCS-P  
Office Location: Building 8 Room 8168  
Office Hours: Monday thru Thursday 3:00-5:00 pm  
Email Address: [Kimberly Brown \(kbrown@southeasterntech.edu\)](mailto:kbrown@southeasterntech.edu)  
Phone: 478-289-2243  
Fax Number: 478-289-2336  
Tutoring Hours (if applicable): By appointment

**SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK**

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(http://www.southeasterntech.edu/student-affairs/catalog-handbook.php\)](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

**REQUIRED TEXT**

Principles of Pharmacology for Medical Assisting: 6th edition – Rice – Cengage Publishing  
ISBN: 978-1-305-85932-6

Davis's Drug Guide for Nurses: 2014 edition – McGraw-Hill Publishing  
ISBN: 978-1-259-32803-9

**REQUIRED SUPPLIES & SOFTWARE**

MindTap (Cengage Learning)  
Watch with a second hand  
Stethoscope  
3 ring binder, paper, pens, highlighters, index cards  
Jump drive/Flash drive

**COURSE DESCRIPTION**

Introduces medication therapy with emphasis on safety; classification of medications, their actions, side effects, medication and food interactions and adverse reactions. Also introduces basic methods of arithmetic used in the administration of medications. Topics include: introductory pharmacology, dosage calculations, sources and forms of medications, medication classification, and medication effects on the body systems.

## **MAJOR COURSE COMPETENCIES**

1. Introduction to Pharmacology.
2. Dosage Calculation.
3. Sources and Forms of Medications.
4. Classifications of Medications.
5. Medication Effects on the Body Systems.

## **PREREQUISITE(S)**

ENGL 1010, MATH 1012, PSCY 1010, ALHS 1011, ALHS 1090, COLL 1040, ALMA 1000, MAST 1080, MAST 1100, MAST 1120

## **COURSE OUTLINE**

### **INTRODUCTORY PHARMACOLOGY**

1. Demonstrate the use of common reference sources in pharmacology (ie. drug guides, internet sources, etc.).

### **DOSAGE CALCULATION**

1. Demonstrate knowledge of basic math computations. (II.C.1)
2. Apply mathematical computations to solve equations. (II.C.2)
3. Define basic units of measurement in: a. the metric system, b. the household systems. (II.C.3)
4. Convert among measurement systems. (II.C.4)
5. Identify abbreviations and symbols used in calculating medication dosages. (II.C.5)
6. Calculate medication dosages.
7. Calculate pediatric dosages.

### **SOURCES AND FORMS OF MEDICATIONS**

1. Recognize sources of medications.
2. Interpret the importance of the Federal Food, Drug, and Cosmetic Act/Controlled Substance Act of 1970.
3. Examine factors that determine the dosage of patient's medication.
4. Describe forms of medication.
5. Describe reasons for administering medications.

### **CLASSIFICATION OF MEDICATIONS**

1. Identify the classifications of medications including: a. indications for use, b. desired effects, c. side effects, d. adverse reactions (allergens, anti-infectives, antifungals, antimalarials, anti-tuberculosis, antivirals, anti-neoplastics, cardiovascular agents, central nervous system agents, genitourinary tract agents, hormones, immunologic agents, metabolic agents, nutritional agents, psychotherapeutic agents, radiologic agents, respiratory agents, topical agents). (I.C.11)
2. Correlate the factors that may determine the effectiveness of an antiseptic and/or disinfectant.
3. Characterize the general recommendations for immunizations.
4. Assess the safety precautions to be observed when caring for a patient receiving medication.
5. Recognize precautions for anti-neoplastic and radioactive agents.

### **MEDICATION EFFECTS ON THE BODY SYSTEMS**

1. Describe the relationship between the anatomy and physiology of all body systems and medications used for treatment in each.
2. Demonstrate patient education as it applies to each body system and the medications used for each body system.

## **GENERAL EDUCATION CORE COMPETENCIES**

Southeastern Technical College has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

## **STUDENT REQUIREMENTS**

Students are required to abide by all of the policies, rules, and regulations of Southeastern Technical College, as published in the *STC Catalog and Handbook*. *STC Catalog and Handbook Related Policies and Procedures* are found online at [STC's Website http://www.southeasterntech.edu](http://www.southeasterntech.edu).

Students are expected to complete all reading, tests, and daily assignments by the specified date. This includes tests, quizzes, workbooks, and any special projects assigned by the instructor throughout the course. *A final unit test average of 75 is required to sit for the final exam. Grades of 74.9 will not be rounded up. If you have below a 75 average, you will receive a "0" for your final test grade.*

Students must satisfactorily complete each skill competency area successfully. Failure to complete a competency area successfully will result in dismissal from the course (regardless of overall grade average) and a final grade of "WF" (Withdrawn Failing) or "F" (Failing 0-59). Students will be given three (3) opportunities to demonstrate each skill competency.

Critical thinking is also a necessary part of the learning process in this course. The student is expected to complete all critical thinking assignments prior to class. Situations will be included on tests in order to test critical thinking ability.

The use of proper grammar, correct spelling, and writing principles is expected in all work. Full credit will not be granted for work that contains grammar or spelling errors.

## **ASSIGNMENTS**

The lesson plan is subject to change at instructor's discretion. Late assignments are assessed ten-points each day. Three (3) days past the due date, the assignments are not accepted; a grade of zero (0) is assigned. It is the student's responsibility to make sure all assignments are completed and submitted by the due dates. Points will be deducted for failure to follow directions. Proper heading must be included on all materials handed in. This includes first and last name, date, course, and assignment name. Failure to include this information will result in a five (5) point reduction.

Students must pass a drug calculation exam with 100% accuracy to complete the course. Students will be given three (3) opportunities to achieve 100% on the exam. Students who do not pass the drug calculation exam with 100% accuracy will receive a grade of "F" for the course.

Drug sheets on the most commonly prescribed drugs in the United States are to be turned in on the date designated on the lesson plan unless otherwise informed by your instructor. If you do not turn in the sheets on the designated date at the beginning of class, you will receive a "0".

## **CLASSROOM RULES**

All cell phones will be turned off at the beginning of class time. Any cell phone that rings during class will become property of the instructor until further notice. This is not only a distraction to the instructor, but to

other students as well. If you have an emergency, please discuss options with me prior to class. There will be no eating or drinking in the classroom

### **SPECIAL NEEDS**

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126, to coordinate reasonable accommodations.

### **SPECIFIC ABSENCES**

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

### **PREGNANCY**

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please advise me and make appropriate arrangements with [Helen Thomas \(hthomas@southeasterntech.edu\)](mailto:hthomas@southeasterntech.edu), 912-538-3126.

### **WITHDRAWAL PROCEDURE**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of "F" being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

There is no refund for partial reduction of hours. Withdrawals may affect students' eligibility for financial aid for the current semester and in the future, so a student must speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

**Remember** - Informing your instructor that you will not return to his/her course does not satisfy the approved withdrawal procedure outlined above.

### **MAKEUP GUIDELINES**

No make-up exams are allowed without a physician's excuse that must be provided to the instructor within three (3) days of the absence. If an exam is missed, the student will be allowed to take the exam during one hour at the end of the semester (date to be scheduled by the instructor). There will be no exceptions to this policy. If you are absent or late on the day a chapter quiz is given, you will receive a "0" for that grade.

**LOWEST EXAM GRADES ARE NOT DROPPED.**

### **ACADEMIC DISHONESTY POLICY**

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Student Handbook.

## PROCEDURE FOR ACADEMIC MISCONDUCT

The procedure for dealing with academic misconduct and dishonesty is as follows:

### 1. First Offense

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

### 2. Second Offense

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

### 3. Third Offense

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

## STATEMENT OF NON-DISCRIMINATION

The Technical College System of Georgia and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member or citizenship status (except in those special circumstances permitted or mandated by law). This school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a> <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Blythe Wilcox, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3147 Email: <a href="mailto:bwilcox@southeasterntech.edu">Blythe Wilcox</a> <a href="mailto:bwilcox@southeasterntech.edu">bwilcox@southeasterntech.edu</a>

## ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

## GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College's website.

## ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College \(STC\) Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

## TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT

*The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.*

## GRADING POLICY

Assessment/Assignment	Percentage
Tests	65%
Drug Sheets	5%
MindTap	5%
Final Exam	25%

## GRADING SCALE

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

## Core Curriculum for Medical Assistants Medical Assisting Education Review Board (MAERB) 2015 Curriculum Requirements

Cognitive (Knowledge Base)	Psychomotor (Skills)	Affective (Behavior)
<b>I.C. Anatomy and Physiology</b> 11. Identify the classifications of medications including: a. Indications for use b. Desired effects c. Side effects d. Adverse reactions	<b>I.P. Anatomy and Physiology</b> None listed.	<b>I.A Anatomy and Physiology</b> None listed.
Cognitive (Knowledge Base)	Psychomotor (Skills)	Affective (Behavior)
<b>II.C Applied Mathematics</b> 1. Demonstrate knowledge of basic math computations. 2. Apply mathematical	<b>II.P Applied Mathematics</b> None listed.	<b>II.A Applied Mathematics</b> None listed.

Cognitive (Knowledge Base)	Psychomotor (Skills)	Affective (Behavior)
computations to solve mathematical equations. 3. Define basic units of measurement in: a. The metric system b. The household system 4. Convert among measurement systems. 5. Identify both abbreviations and symbols used in calculating medication dosages.		

**MAST 1030 PHARMACOLOGY IN THE MEDICAL OFFICE**  
**Spring Semester 2018 Lesson Plan**

Date/Week	Unit/Lesson	Content	Assignments & Tests Due Dates	Competency Area
January 8		SEMESTER BEGINS First day of class: Introduction to course, syllabi, etc.	<ul style="list-style-type: none"> <li>• Read Unit 7</li> <li>• MindTap Exercises</li> </ul>	
January 9	Unit 7	Drugs Sources, Schedules, and Dosages	<ul style="list-style-type: none"> <li>• Read Unit 8</li> <li>• MindTap Exercises</li> </ul>	1 a, c
January 10	Unit 8	Forms of Drugs and How They Act	<ul style="list-style-type: none"> <li>• Study for Test 1</li> <li>• MindTap Exercises Due January 10 at 11:59p</li> </ul>	1 a, c
January 11	Units 7-8	MindTap Exercises	<ul style="list-style-type: none"> <li>• Study for Test 1</li> <li>• MindTap Exercises Due Jan 15 at 11:59p</li> </ul>	1 a, c
January 15		HOLIDAY	<ul style="list-style-type: none"> <li>• Study for Test 1</li> <li>• MindTap Exercises Due January 15 at 11:59p</li> </ul>	
January 16	Units 7-8	<b>Test 1 – Units 7-8</b>	<ul style="list-style-type: none"> <li>• Read Unit 9</li> <li>• MindTap Exercises</li> </ul>	1 a, c
January 17	Unit 9	The Medication Order	<ul style="list-style-type: none"> <li>• Read Unit 10</li> <li>• MindTap Exercises</li> </ul>	1, 3 a, c
January 18	Unit 10	Medication Administration Essentials	<ul style="list-style-type: none"> <li>• Study for Test 2</li> <li>• MindTap Exercises Due January 22 at 11:59p</li> </ul>	1, 3 a, c

<b>Date/Week</b>	<b>Unit/Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
January 22	Units 9-10	MindTap Exercises	<ul style="list-style-type: none"> <li>• Study for Test 2</li> <li>• MindTap Exercises Due January 22 at 11:59p</li> </ul>	1, 3 a, c
January 23	Units 9-10	<b>Test 2 – Units 9-10</b>	<ul style="list-style-type: none"> <li>• Read Unit 11</li> <li>• MindTap Exercises</li> </ul>	1, 3 a, c
January 24	Unit 11	Administration of Nonparenteral Medications	<ul style="list-style-type: none"> <li>• Read Unit 14</li> <li>• MindTap Exercises</li> </ul>	1, 3 a, c
January 25	Unit 14	Allergy: An Overview	<ul style="list-style-type: none"> <li>• Study for Test 3</li> <li>• MindTap Exercises Due January 29 at 11:59p</li> </ul>	1, 3 a, c
January 29	Units 11&14	MindTap Exercises	<ul style="list-style-type: none"> <li>• Study for Test 3</li> <li>• MindTap Exercises Due January 29 at 11:59p</li> </ul>	1, 3 a, c
January 30	Units 11&14	<b>Test 3 – Units 11&amp;14</b>	<ul style="list-style-type: none"> <li>• Read Unit 12</li> <li>• MindTap Exercises</li> </ul>	1, 3 a, c
January 31	Unit 12	Parenteral Equipment and Supplies	<ul style="list-style-type: none"> <li>• Read Unit 13</li> <li>• MindTap Exercises</li> </ul>	1, 3 a, c
February 1	Unit 13	Administration of Parenteral Medications	<ul style="list-style-type: none"> <li>• Study for Test 4</li> <li>• MindTap Exercises Due February 5 at 11:59p</li> </ul>	1, 3 a, c
February 5	Units 12&13	MindTap Exercises	<ul style="list-style-type: none"> <li>• Study for Test 4</li> <li>• MindTap Exercises Due February 5 at 11:59p</li> </ul>	1, 3 a, c
February 6	Units 12&13	<b>Test 4 – Units 12&amp;13</b>	<ul style="list-style-type: none"> <li>• Read Units 1 &amp; 2</li> <li>• MindTap Exercises</li> </ul>	1, 3 a, c
February 7	Unit 1 Unit 2	Numerals & Fractions Decimal Fractions	<ul style="list-style-type: none"> <li>• Read Units 3 &amp; 4</li> <li>• MindTap Exercises</li> </ul>	2 a, b, c
February 8	Unit 3 Unit 4	Ratio & Proportion The Metric System	<ul style="list-style-type: none"> <li>• Read Unit 5</li> <li>• MindTap Exercises</li> </ul>	2 a, b, c
February 12	Unit 5	Calculating Adult Dosages: Oral & Parenteral Forms	<ul style="list-style-type: none"> <li>• MindTap Exercises</li> </ul>	2 a, b, c
February 13	Unit 5	Practice Problems	<ul style="list-style-type: none"> <li>• Read Unit 6</li> <li>• MindTap Exercises</li> </ul>	2 a, b, c
February 14	Unit 6	Calculating Children’s Dosages	<ul style="list-style-type: none"> <li>• MindTap Exercises</li> </ul>	2 a, b, c
February 15	Unit 6	Practice Problems	<ul style="list-style-type: none"> <li>• MindTap Exercises Due February 25 11:59 p</li> </ul>	2 a, b, c



<b>Date/Week</b>	<b>Unit/Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
February 19	Unit 6	Practice Problems	<ul style="list-style-type: none"> <li>MindTap Exercises Due February 25 11:59 p</li> </ul>	2 a, b, c
February 20	Unit 6	Practice Problems	<ul style="list-style-type: none"> <li>MindTap Exercises Due February 25 11:59 p</li> </ul>	2 a, b, c
February 21	Unit 6	Practice Problems	<ul style="list-style-type: none"> <li>MindTap Exercises Due February 25 11:59 p</li> </ul>	2 a, b, c
February 22	Unit 6	Practice Problems	<ul style="list-style-type: none"> <li>MindTap Exercises Due February 25 11:59 p</li> </ul>	2 a, b, c
February 26	Unit 1-6	Practice Drug Calculations Test	<ul style="list-style-type: none"> <li>MindTap Exercises</li> </ul>	2 a, b, c
February 27	Unit 1-6	Drug Calculations Test 1	<ul style="list-style-type: none"> <li>MindTap Exercises</li> </ul>	2 a, b, c
February 28	Unit 1-6	Review Drug Calculations Test 1	<ul style="list-style-type: none"> <li>MindTap Exercises</li> </ul>	2 a, b, c
March 1	Unit 1-6	Drug Calculations Test 2	<ul style="list-style-type: none"> <li>MindTap Exercises</li> </ul>	2 a, b, c
March 5	Unit 1-6	Drug Calculations Test 3	<ul style="list-style-type: none"> <li>Read Unit 15</li> <li>MindTap Exercises</li> </ul>	2 a, b, c
March 6	Unit 15	Antibiotic Agents	<ul style="list-style-type: none"> <li>Read Unit 16</li> <li>MindTap Exercises</li> </ul>	4, 5 a, c
March 7	Unit 16	Antifungal, Antiviral, & Immunizing Agents	<ul style="list-style-type: none"> <li>Study for Test 5</li> <li>MindTap Exercises Due March 11 at 11:59p</li> </ul>	4, 5 a, c
March 8	Units 15-16	MindTap Exercises	<ul style="list-style-type: none"> <li>Study for Test 5</li> <li>MindTap Exercises Due March 11 at 11:59p</li> </ul>	4, 5 a, c
March 12	Units 15-16	<b>Test 5 – Units 15-16</b>	<ul style="list-style-type: none"> <li>Read Unit 17</li> <li>MindTap Exercises</li> </ul>	4, 5 a, c
March 13	Unit 17	Antineoplastic Agents	<ul style="list-style-type: none"> <li>Read Unit 18</li> <li>MindTap Exercises</li> </ul>	4, 5 a, c
March 14	Unit 18	Vitamins, Minerals, & Herbals	<ul style="list-style-type: none"> <li>Study for Test 6</li> <li>MindTap Exercises Due March 19 at 11:59p</li> </ul>	4, 5 a, c
March 15		STAFF DEVELOPMENT – NO CLASS	<ul style="list-style-type: none"> <li>Study for Test 7</li> <li>MindTap Exercises Due March 19 at 11:59p</li> </ul>	

<b>Date/Week</b>	<b>Unit/Lesson</b>	<b>Content</b>	<b>Assignments &amp; Tests Due Dates</b>	<b>Competency Area</b>
March 19	Units 17-18	MindTap Exercises	<ul style="list-style-type: none"> <li>• Study for Test 6</li> <li>• MindTap Exercises Due March 19 at 11:59p</li> </ul>	4, 5 a, c
March 20	Units 17-18	<b>Test 6 – Units 17-18</b>	<ul style="list-style-type: none"> <li>• Read Unit 19</li> <li>• MindTap Exercises</li> </ul>	4, 5 a, c
March 21	Unit 19	Psychotropic Agents	<ul style="list-style-type: none"> <li>• Read Unit 20</li> <li>• MindTap Exercises</li> </ul>	4, 5 a, c
March 22	Unit 20	Substance Abuse MIDTERM	<ul style="list-style-type: none"> <li>• Study for Test 7</li> <li>• MindTap Exercises Due March 26 at 11:59p</li> </ul>	4, 5 a, c
March 26	Units 19-20	MindTap Exercises	<ul style="list-style-type: none"> <li>• Study for Test 7</li> <li>• MindTap Exercises Due March 26 at 11:59p</li> </ul>	4, 5 a, c
March 27	Units 19-20	<b>Test 7 – Units 19-20</b>	<ul style="list-style-type: none"> <li>• Read Unit 21</li> <li>• MindTap Exercises</li> </ul>	4, 5 a, c
March 28	Unit 21	Medications for Musculoskeletal System Disorders	<ul style="list-style-type: none"> <li>• Read Unit 22</li> <li>• MindTap Exercises</li> </ul>	4, 5 a, c
March 29	Unit 22	Medications for Gastrointestinal System Disorders	<ul style="list-style-type: none"> <li>• Study for Test 8</li> <li>• MindTap Exercises Due April 8 at 11:59p</li> </ul>	4, 5 a, c
April 2-5		SPRING BREAK		
April 9	Units 21-22	MindTap Exercises	<ul style="list-style-type: none"> <li>• Study for Test 8</li> <li>• MindTap Exercises Due April 8 at 11:59p</li> </ul>	4, 5 a, c
April 10	Units 21-22	<b>Test 8 – Units 21-22</b>	<ul style="list-style-type: none"> <li>• Read Unit 23</li> <li>• MindTap Exercises</li> </ul>	4, 5 a, c
April 11	Unit 23	Medications for Cardiovascular System Disorders 60% point	<ul style="list-style-type: none"> <li>• Read Unit 24</li> <li>• MindTap Exercises</li> </ul>	4, 5 a, c
April 12	Unit 24	Medications for Respiratory System Disorders	<ul style="list-style-type: none"> <li>• Study for Test 9</li> <li>• MindTap Exercises Due April 16 at 11:59p</li> </ul>	4, 5 a, c
April 16	Units 23-24	MindTap Exercises	<ul style="list-style-type: none"> <li>• Study for Test 9</li> <li>• MindTap Exercises Due April 16 at 11:59p</li> </ul>	4, 5 a, c
April 17	Units 23-24	<b>Test 9 – Units 23-24</b>	<ul style="list-style-type: none"> <li>• Read Unit 25</li> <li>• MindTap Exercises</li> </ul>	4, 5 a, c

Date/Week	Unit/Lesson	Content	Assignments & Tests Due Dates	Competency Area
April 18	Unit 25	Medications for Urinary System Disorders 65% point – Last Day to Withdraw without academic penalty	<ul style="list-style-type: none"> <li>Read Unit 26</li> <li>MindTap Exercises</li> </ul>	4, 5 a, c
April 19	Unit 26	Medications for Endocrine System Disorders	<ul style="list-style-type: none"> <li>Study for Test 10</li> <li>MindTap Exercises Due April 23 at 11:59p</li> </ul>	4, 5 a, c
April 23	Units 25-26	MindTap Exercises	<ul style="list-style-type: none"> <li>Study for Test 10</li> <li>MindTap Exercises Due April 23 at 11:59p</li> </ul>	4, 5 a, c
April 24	Units 25-26	<b>Test 10 – Units 25-26</b>	<ul style="list-style-type: none"> <li>Read Unit 27</li> <li>MindTap Exercises</li> </ul>	4, 5 a, c
April 25	Unit 27	Medications for Nervous System Disorders	<ul style="list-style-type: none"> <li>Read Unit 28</li> <li>MindTap Exercises</li> </ul>	4, 5 a, c
April 26	Unit 28	Medications for Reproductive System Disorders	<ul style="list-style-type: none"> <li>Study for Test 11</li> <li>MindTap Exercises Due April 30 at 11:59p</li> </ul>	4, 5 a, c
April 30	Units 27-28	MindTap Exercises	<ul style="list-style-type: none"> <li>Study for Test 10</li> <li>MindTap Exercises Due April 30 at 11:59p</li> </ul>	4, 5 a, c
May 1	Units 27-28	<b>Test 11 – Units 27-28</b>	<ul style="list-style-type: none"> <li>Study for Finals</li> </ul>	4, 5 a, c
May 2 & 3	Units 1-28	FINAL EXAMS		1, 2, 3, 4, 5 a, b, c

### MAJOR COURSE COMPETENCIES

1. Introduction to Pharmacology.
2. Dosage Calculation.
3. Sources and Forms of Medications.
4. Classifications of Medications.
5. Medication Effects on the Body Systems.

### GENERAL CORE EDUCATIONAL COMPETENCIES:

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.