



RNSG 1018 Pharmacological Concepts and Drug Calculations COURSE SYLLABUS Fall Semester 2023

This syllabus is subject to change. If changes are made, you will be notified as soon as possible.

COURSE INFORMATION

Credit Hours/Minutes: 4 Credit Hours: (Didactic 3000 minutes)

Class Location: Vidalia Campus/ Gillis Building Room 836; STUDENTS ARE REQUIRED TO WEAR SCRUB PANTS AND SCRUB TOP OR STC SHIRT TO CLASS, TESTING AND LAB- Refer to Handbook

Class Meets: 0900-1200 and 1300-1500 on Wednesdays; **EXAM DAYS will begin at 0800; doors will close at 0755.**

Your first calculation attempt is tentatively scheduled for November 8 at 1530; if additional attempts for the calculation exam are needed, these will also be on campus on November 15 and 27 (times will be announced later).

Clinical: No clinical with this class; Clinical is with RNSG 1005 for this semester.

Course Reference Number (CRN): 20156

INSTRUCTOR CONTACT INFORMATION

Instructor Name: Donna Jean Braddy Master of Science in Nursing (MSN), Registered Nurse (RN)
(Another ASN instructor may fill in and teach at any time)

Campus/Office Location: Vidalia Campus/Gillis Building Room 732

Office Hours: Daily: 1300-1500; Wednesday and Thursday 0800-1200

Email Address: Donna Jean Braddy (dbraddy@southeasterntech.edu)

Phone: 912-538-3172

Fax Number: 912-538-3106

Tutoring Hours: please schedule an appointment via email

Preferred Method of Contact: EMAIL

All communication with faculty should be completed using STC email. Please note that emails sent during business hours will be answered within 24-48 hours. Emails sent during holidays and on weekends may not be answered until the next business day.

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

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's Catalog and Handbook (<https://catalog.southeasterntech.edu/college-catalog/downloads/current.pdf>).

REQUIRED TEXT

1. Tucker, R. (2023). *Karch's focus on nursing pharmacology* (9th ed.). Wolters Kluwer Health/Lippincott Williams & Wilkins.

2. Assessment Technologies Institute (ATI) Virtual Simulation and testing services
3. Drug guide for nurses

REQUIRED SUPPLIES & SOFTWARE:

Pen, pencil, paper, large 3 ring binder, highlighter, laptop, computer access, calculator
Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

COURSE DESCRIPTION

This course provides an introduction to the principles of pharmacology, including: pharmacokinetics, pharmacodynamics, medication interactions and potential adverse medication reactions. This course also enhances the basic mathematical concepts utilized in calculating medication dosages for safe administration to clients throughout the lifespan. Emphasis is placed on drug classifications and nursing care related to the safe administration of medications.

MAJOR COURSE OUTCOMES

Upon completion of the course, the student will be able to:

1. Apply principles of pharmacology, pharmacokinetics, and pharmacodynamics to medication therapy.
2. Recognize the major classifications of medications, common medications within each classification, side effects, and contraindications.
3. Demonstrate accuracy in computation of medication dosages.
4. Discuss nursing implications and concepts of medication calculations safety when performing medication administration.
5. Understand the legal and ethical implications/aspects of medication administration.

PREREQUISITE(S)

Program Admission

COREQUISITE(S)

RNSG 1005 Foundations of Nursing

CONTENT/UNIT OUTCOMES

PRINCIPLES OF PHARMACOLOGY

Order	Description	Learning Domain	Level of Learning
1	Identify groups of occupations/professions in which knowledge of pharmacology is important.	Cognitive	Remembering
2	Describe the role of the United States Food and Drug Administration in determining the safety of drugs for use by the population.	Cognitive	Remembering
3	Define common terminology used in describing drug properties.	Cognitive	Remembering
4	Describe common terminology used for medication administration.	Cognitive	Understanding
5	Differentiate between the terms pharmacology, pharmacokinetics, and pharmacodynamics.	Cognitive	Analyzing

Order	Description	Learning Domain	Level of Learning
6	Identify measures that support safe medication administration.	Cognitive	Remembering
7	Discuss legal/ethical issues related to medication administration.	Cognitive	Understanding

INTRODUCTION TO MAJOR DRUG CLASSIFICATIONS

Order	Description	Learning Domain	Level of Learning
1	Discuss the purpose for placing drugs within major classifications.	Cognitive	Understanding
2	Identify common therapeutic drug classifications.	Cognitive	Remembering
3	Explain the terms and drug actions, side effects, and nursing implications.	Cognitive	Understanding

MAJOR CLASSIFICATIONS

Order	Description	Learning Domain	Level of Learning
1	Identify common drugs within the following classifications.	Cognitive	Remembering
1a	Chemotherapeutic Agents	Cognitive	Remembering
1b	Drugs acting on the Immune System	Cognitive	Remembering
1c	Drugs acting on the Nervous System	Cognitive	Remembering
1d	Drugs acting on the Endocrine System	Cognitive	Remembering
1e	Drugs acting on the Reproductive System	Cognitive	Remembering
1f	Drugs acting on the Cardiovascular System	Cognitive	Remembering
1g	Drugs acting on the Renal System	Cognitive	Remembering
1h	Drugs acting on the Respiratory System	Cognitive	Remembering
1i	Drugs acting on the Gastrointestinal System	Cognitive	Remembering
2	Describe the uses, actions, side effects, contraindications, nursing implications, and client education needs of selected prototype drugs.	Cognitive	Remembering

DOSAGE CALCULATION

Order	Description	Learning Domain	Level of Learning
1	Convert units of measure from different measurement systems.	Psychomotor	Complex Response
2	Interpret medication orders and identify errors/omissions.	Cognitive	Remembering
3	Interpret information on medication labels.	Cognitive	Remembering
4	Calculate oral medication dosages.	Psychomotor	Complex Response
5	Calculate intramuscular, subcutaneous, intradermal, and intravenous injectable medications.	Psychomotor	Complex Response
6	Calculate IV drip rates.	Psychomotor	Complex Response

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.
- 4.

STUDENT REQUIREMENTS

STUDENT DRESS CODE

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

ASSIGNMENTS AND EXAMS

Students are expected to complete all exams and daily assignments. A unit exam average of 70% or above must be obtained in order to take the final exam. An average grade of 70% between unit exams and the final exam must be obtained in order to advance to the clinical setting. If the student fails to meet the unit exam/final exam expectations, the student will be withdrawn in accordance with the withdrawal procedure. *For example, if the unit exam average is 72.5 and accounts for 60% of the course grade and the final exam grade is 65.6 and accounts 20% for the course grade, the average before progressing to clinical will be calculated as follows:*

Unit Exam Average: $72.5 \times 0.60 = 43.5$

Final Exam Grade: $65.5 \times 0.20 = 13.1$.

Average grade for progression to clinical: $43.5 + 13.1 = 56.6$

$56.6 / 80 = 70.7$ average grade and student will be allowed to progress to the clinical portion of the course.

A final clinical average grade of at least 70% must be obtained in order to pass the course.

A final cumulative average of at least 70% must be obtained in order to progress to future nursing courses.

No assignment opportunities will be given for extra credit. Any unit exam grade will be entered as is to the nearest 10th. No scores will be rounded (up or down). *For example: exam has 60 questions and each question will be worth 1.66 pts. The student correctly answers 52 questions out of 60. $52 \text{ correct answers} \times 1.66 = 86.32$. The grade will be recorded as 86.3. This rule applies to every grade issued during the semester. All final averages will be recorded as is (ie a 69.9 is a 69.9*

ON CAMPUS TESTING

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

CALCULATION EXAM

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

ASSESSMENT TECHNOLOGIES INSTITUTE (ATI) ACTIVITIES

All ATI activities must be completed as outlined on ATI Activities calendar. Although previous versions of the assignments may still be available in ATI (example 3.0 or 2016), students are required to complete the most current version of each assignment (example 4.0 or 2019). The required benchmark of 85% or satisfactory must be met in order for the assignment to be considered complete.

Unit exam associated assignments -Failure to complete all the assignments, will result in unit exam point deductions.

Greater than 50% incomplete ATI assignments = 10 point deduction.

Less than or equal to 50% incomplete ATI assignments = 5 point deduction.

For example, if the student is required to complete 10 ATI assignments for unit exam one, failure to complete 8 assignments will result in a 10-point deduction, whereas failure to complete 4 assignments will result in a 5-point deduction from unit exam one. In addition, if the student completes all assignments but only meets the benchmark on 8 assignments, a 5-point deduction will occur.

Skills Lab associated assignments -ATI skills modules must be completed prior to lab practice as outlined on the ATI Activities calendar. Failure to complete the ATI assignment prior to lab will result in an occurrence and the student will not be able to attend the scheduled lab. The time missed will count towards attendance for the course and must be made up at the instructor's discretion.

*It is recommended that students take a picture of the results of each assignment once completed.

It is the responsibility of the student to communicate ATI technical issues with an ATI representative as the issue happens.

ATI PRACTICE ASSESSMENT RN Pharmacology Online Practice 2019 A&B

ATI PRACTICE ASSESSMENT RN Pharmacology Online Practice 2019 A&B (first attempts) will count an additional 5% of your grade. Please see the ATI Rubric for specifics.

TICKET TO CLASS

Assignments may be given as homework which will serve as the student's ticket into class. The student will not be allowed in class if they fail to complete the ticket to class assignment. This will count as an absence and the student will not be allowed to return to class until the assignment is completed in its entirety. Students may be required to wait until the class takes a break before they are allowed to enter as not to interrupt class.

SKILLS/SIMULATION LAB

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

SELF-ASSESSMENT JOURNAL-LIFELONG LEARNING ASSESSMENT- REFER TO RNSG 1005 SYLLABUS

ATTENDANCE GUIDELINES

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

ADDITIONAL ATTENDANCE PROVISIONS

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

The didactic portion of the class will meet for 60 hours (3000 minutes). A student is allowed to miss a maximum of 6 hours. Students missing more than 6 hours will be dropped for exceeding the attendance procedure.

STUDENTS WITH DISABILITIES

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Vidalia Campus: Helen Thomas hthomas@southeasterntech.edu, 912-538-3126, Building A, Room 165

Swainsboro Campus: Emily Jarrell (ejarrell@southeasterntech.edu), 478-289-2259, Building 1, Room 1210

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 make appropriate arrangements with the appropriate campus coordinator.

Vidalia Campus: Helen Thomas hthomas@southeasterntech.edu, 912-538-3126, Building A, Room 165

Swainsboro Campus: Emily Jarrell (ejarrell@southeasterntech.edu), 478-289-2259, Building 1, Room 1210

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery **may not** be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

WITHDRAWAL PROCEDURE

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC.)

In the event of an absence on an exam day, the student may choose to provide appropriate documentation to the instructor in order to be allowed to take a make-up exam (per syllabus) and avoid a 10-point deduction that may occur. A student may only be allowed to make-up one unit exam which will be given at the discretion of the instructor. A grade of "0" may be given to all subsequent unit exams missed. The make-up exam may or may not be the same as the original exam. It may also be a different exam format. If a student misses the final exam and has already used their ONE time make-up, the student may not be allowed to make-up the final exam and be given a zero for the final exam.

Procedures of the program may be reviewed on an individual basis related to extenuating circumstances.

STUDENT SUCCESS PLAN (SSP)

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

SPECIAL NOTE: During this class, occurrences/student success plans may be issued for failure to meet classroom/lab requirements (tardiness, uncompleted/late work, etc.) See ASN Student Handbook for details.

ACADEMIC DISHONESTY POLICY

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

STATEMENT OF NON-DISCRIMINATION

As set forth in the student catalog, Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, sex, religion, disability, age, political affiliation or belief, genetic information, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

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

<p>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</p>	<p>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</p>
<p>Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1st Street, Vidalia Office 165 Phone: 912-538-3126 Email: Helen Thomas hthomas@southeasterntech.edu</p>	<p>Melanie Walker, Director of Human Resources Vidalia Campus 3001 East 1st Street, Vidalia Office 138B Phone: 912-538-3230 Email: Melanie Walker mwalker@southeasterntech.edu</p>

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
Unit Exam-This percentage is calculated based on 12 unit exams in RNSG 1018	55
Final Exam	30

Assessment/Assignment	Percentage
ATI Activities-This percentage is calculated based on first attempt scores on PRACTICE ASSESSMENT RN Pharmacology Online Practice 2019 A&B (due midnight on December 6)	5
Drug Info Sheets- Students must turn these on the designated date for each unit	10
Calculation Exam- Students must score 100% within 3 attempts in order to pass the course	P/F

Calculation Examination - Students must score 100% within 3 attempts in order to progress in the course and program. Students who do not meet the requirements for the Calculation Examination on the third attempt will be withdrawn according to the withdrawal procedure.

Each student's final course grade will be determined as follows:

Unit exam grade x 0.55 = _____ +

Final exam grade x 0.30 = _____ +

ATI Activities x 0.05 = _____ +

Drug Info Sheets x 0.10 = _____ +

Numerical course grade= _____

GRADING SCALE

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

RNSG 1018 Pharmacological Concepts and Drug Calculations
Fall Semester 2023 Lesson Plan
Subject to change
(*TBA= to be announced)

Week 1 August 23

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
Intro to Course	Introduction to Course Review Syllabi and Course Expectations	Complete Student Packet and Course Documents	
Chapter 1	Introduction to Drugs	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ACTIVITIES	*1 **1-3
Chapter 2	Drugs and the Body	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*1 **1-3
Chapter 3	Toxic Effects of Drugs	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*1 **1-3
Chapter 5	Dosage Calculations	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*4 **1-3
Chapter 6	Challenges to Effective Drug Therapy	Read Assigned Chapter Review associated Power Points	*1 **1-3

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	

Week 2 August 30

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		EXAM 1 CHAPTER 1,2,3,5,6	*1,4 **1-3
Chapter 34	Endocrine System	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 35	Hypothalamic and Pituitary Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 36	Adrenocortical Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 37	Thyroid and Parathyroid Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 38	Agents to Control Blood Glucose Levels	Read Assigned Chapter Review associated Power Points	*2-4 **1-3

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	

Week 3 September 6

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		EXAM 2 CHAPTER 34-38	*2-4 **1-3
Chapter 9	Antibiotics	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 10	Antiviral Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 11	Antifungal Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 12	Antiprotozoal Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 13	Anthelmintic Agents	Read Assigned Chapter Review associated Power Points	*2-4 **1-3

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	
Chapter 14	Antineoplastic Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3

Week 4 September 13

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		EXAM 3 CHAPTER 9-14 25% Remediation Mark	*2-4 **1-3
Chapter 29	Autonomic System	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 30	Adrenergic Agonists	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 31	Adrenergic Antagonists	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	**2-4 **1-3
Chapter 32	Cholinergic Agonists	Read Assigned Chapter	**2-4 **1-3

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	
Chapter 33	Anticholinergic Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	**2-4 **1-3

Week 5 September 20 TEST is 0800-0900; 0930-11 Assist with Disaster Drill ; 1100-1200 and 1300—1500 lecture

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		EXAM 4 CHAPTER 29-33	**2-4 **1-3
Chapter 53	Respiratory System	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	**2-4 **1-3
Chapter 54	Upper Respiratory Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	**2-4 **1-3
Chapter 55	Lower Respiratory Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	**2-4 **1-3

Week 6 September 27

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		EXAM 5 CHAPTER 53-55	*2-4 **1-3
Chapter 42	Cardiovascular System	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter43	Blood Pressure Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 44	Heart Failure Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 45	Antiarrhythmic Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3

Week 7 October 4

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		EXAM 6 CHAPTER 42-45 50% Remediation Mark	*2-4 **1-3
Chapter 46	Antianginal Agents	Read Assigned Chapter	*2-4 **1-3

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	
Chapter 47	Lipid-Lowering Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 48	Blood Coagulation Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 49	Drugs to Treat Anemias	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3

Week 8 October 11

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		EXAM 7 CHAPTER 46-49	*2-4 **1-3
Chapter 15	Immune Response and Inflammation	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 16	Anti-Inflammatory, Antiarthritis and Related Agents	Read Assigned Chapter	**2-4 **1-3

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	
Chapter 17	Immune Modulators	Read Assigned Chapter Review associated Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 18	Vaccines and Sera	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3

Week 9 October 18

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		EXAM 8 CHAPTER 15-18	*2-4 **1-3
Chapter 19	Nerves & Nervous System	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 20	Anxiolytic & Hypnotic Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
Chapter 21	Antidepressant Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 22	Psychotherapeutic Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 23	Antiseizure Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
MANDATORY CAL PRACTICE SESSION after class			

Week 10 October 25

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		EXAM 9 CHAPTER 19-23	*2-4 **1-3
Chapter 24	Antiparkinsonism Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 25	Muscle Relaxant	Read Assigned Chapter Review associated Power Points	*2-4 **1-3

Chapter/Lesson	Content	Assignments & Tests Due	Competency Area
		Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	
Chapter 26	Narcotics, NA, & Antimigraine Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see -see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 27	General and Local Anesthetic Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 28	Neuromuscular Junction Blocking Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
MANDATORY CAL PRACTICE SESSION after class			

Week 11 November 1

Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
		EXAM 10 CHAPTER 24-28	*2-4 **1-3
Chapter 50	Renal System	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3

Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
Chapter 51	Diuretic Agents	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 52	Drugs that affect the Urinary Tract & Bladder	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
MANDATORY CAL PRACTICE SESSION after class			
Thursday, November 2 is the 65% mark			

Week 12 Nov 8

Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
		EXAM 11 CHAPTER 50-52	*2-4 **1-3
Chapter 56	GI System	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3
Chapter 57	Drugs that Affect GI Secretions	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 **1-3

Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
Chapter 58	Drugs that Affect GI Mobility	Read Assigned Chapter Review associated Power Points Complete ATI activities –see RNSG 1018 ATI ACTIVITIES	*2-4 *1-3
Chapter 59	Antiemetic Agents	Read Assigned Chapter	Chapter 58
TODAY at 1530		100% Drug Calculation Exam Attempt 1	

Week 13 Nov 15

Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
		EXAM 12 CHAPTER 56-59	*2-4 **1-3
Time TBA		100% Drug Calculation Exam Attempt 2, if needed	
NOVEMBER 16 at 0745		MAKEUP EXAM DAY	

Week 14 -THANKSGIVING BREAK November 20-23, 2023

Week 15 Nov 27

Chapter/Lesson	Content		Assignments & Tests Due Dates	Competency Area
			COMPREHENSIVE FINAL	*1-4 **1-3
Time TBA			100% Drug Calculation Exam Attempt 3, if needed	

Week 16 December 6

Chapter/Lesson	Content	Assignments & Tests Due Dates	Competency Area
		RN Pharmacology Practice 2019 A & B BY MIDNIGHT	*1-4 **1-3

***Competency/Unit Outcomes:**

1. Principles of Pharmacology
2. Introduction to Major Drug Classifications
3. Major Classifications
4. Dosage Calculation

****General Core Educational Competencies**

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.

RNSG 1018 ATI ACTIVITIES CALENDAR

(Due at 0800 day before exams unless otherwise noted)

RNSG 1018 ATI ACTIVITIES S Week	Pharmacology Made Easy 4.0 Lessons/Test	Dosage Calculation and Safe Medication Administration 3.0 Lessons (Finish the tests weekly)	RN Pharmacology 2019	Due Date Each is due at 0800 unless specified
1	-Finish Introduction to Pharmacology	Safe Dosage		08/29/2023
2	-Finish The Endocrine System -Start The Musculoskeletal System (<i>Drug Therapy for Osteoporosis</i>) -Start The Reproductive and Genitourinary System(<i>Drugs for the Female Reproductive System</i>)	Medication Administration		09/05/2023
3	-Finish Infection -Start The Immune System (<i>Drug Therapy for Cancer, Drug Therapy for HIV</i>)	Oral Medications		09/12/2023
4	-Start The Neurological System-Part 1 (<i>Drugs That Treat Alzheimer's Disease</i>) -Start The Neurological System-Part 2 (<i>Drug Therapy for Glaucoma</i>)	Injectable Medications		09/19/2023
5	-Finish The Respiratory System	Powdered Medication		09/26/2023

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6	<i>-Start The Cardiovascular System (Drug Therapy for Hypertension, Heart Failure, Cardiac Dysrhythmias)</i>	Parenteral (IV) Medications		10/03/2023
7	<i>-Finish The Cardiovascular (Drug Therapy for Coronary Heart Disease) System -Finish The Hematologic System</i>	Dosage by Weight		10/10/2023
8	<i>-Start The Neurological System-Part 1 (Drugs that Treat Multiple Sclerosis) -Finish The Immune System -Finish The Musculoskeletal System (Drug Therapy for Rheumatoid Arthritis) -Start Pain and Inflammation (Drug Therapy for Pain and Drug Therapy for Inflammation)</i>	Pediatric Medications		10/17/2023
9	<i>-Start The Neurological System-Part 1</i>	Critical Care Medications		10/24/2023

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	<i>(Introduction, Drug Therapy of Seizure Disorders, ADHD and Narcolepsy)</i> -Finish The Neurological System-Part 2(<i>Introduction, Drug Therapy for Anxiety Disorders, Depression, Bipolar</i>)			
10	-Finish Neurological System Part 1 (<i>Drug Therapy for Muscle Spasms, Drug Therapy That Supports Anesthesia, Parkinson's Disease, and Migraine Headaches</i>) -Finish Pain and Inflammation (<i>Introduction</i>)			10/31/2023
11	-Finish The Reproductive and Genitourinary Systems (<i>Introduction, Male and Genitourinary Drugs</i>)			11/07/2023
12	-Finish The Gastrointestinal System			11/14/2023
15			RN Pharmacology	12/06/2023 DUE BY

RNSG 1018 ATI ACTIVITIES S Week	Pharmacology Made Easy 4.0 Lessons/Test	Dosage Calculation and Safe Medication Administration 3.0 Lessons (Finish the tests weekly)	RN Pharmacology 2019	Due Date Each is due at 0800 unless specified
			Online Practice 2019 A & 2019 B	MIDNIGHT on Dec 6

STC Department of Nursing Rounding Rules

Refer to STC Department of Nursing Student Handbook Fall 2023 for additional details.

DRUG SHEETS

There are specific drugs that you are assigned to complete a drug sheet on throughout the course; these will help you prepare for the unit exam. The drug sheets will be graded and will count for 10% of your grade. The drug sheet for each unit will be due the day before the corresponding exam at **0800** via the drop box in Blackboard. Failure to turn in drug sheets by the deadline will result in a grade of "0" for this assignment. (Remember this is 10% of your grade).

1. The ATI Medication Template Sheet is to be utilized to capture the required drug information for selected drugs. The template is located on ATI's web site under: Resources: eBooks and Active Learning Templates 2019: Medication.

2. ALL INFORMATION ENTERED ONTO THE TEMPLATE MUST BE TYPED.

DRUG ASSIGNMENT LIST

*Turn in by **0800 the day before the corresponding unit exam!** All drug sheets for each section must be typed and be turned in to receive credit; no partials will be accepted (partials will receive a zero). These will need to be uploaded into the RNSG 1018 Med Sheet Dropbox.*

Week	Unit	List of Drugs
Week 2	Endocrine (10)	DDAVP, Decadron, Glucagon, Glucophage, ¹³¹ I, Parlodel, Prednisone, Propylthiouricil, Synthroid, Insulins (on an additional sheet of paper, list the different types of insulin -include onset, peak, duration-refer to page 653 in your textbook- this must be included for this week's drug sheets)
Week 3	Chemotherapeutic (12)	Acyclovir, Diflucan, Flagyl, INH, Keflex, Rocephin, Septra, Sumycin, Tamiflu, Vancocin, Vermox, Zithromax
Week 4	ANS (11)	Aricept, Atropine, Cardura, Catapres, Detrol, Inderal, Mestinon, Normodyne, Phentolamine, Dopamine, Epinephrine
Week 5	Respiratory (10)	Atrovent, Mucinex, Proventil, Pulmicort, Pulmozyme, Sudafed, Vistaril, Zyrtec, Benadryl, Mucomyst
Week 6	Cardiovascular A (9)	Capoten, Cardizem, Lanoxin, Lidocaine, Monopril, Nitropress, Tenormin, Cozaar, Cordarone
Week 7	Cardiovascular B (18)	Aspirin, Coumadin, Epogen, Feosol, Folvite, Heparin, Hydro-Crysti-12, Lipitor, Lovenox, Nitro-Bid, Plavix, Questran, Toprol, Urokinase, Vit K, Zetia, Niacin, Protamine Sulfate
Week 8	Immune (10)	Celebrex, DTaP, Enbrel, Indocin, M-M-RII, Motrin, RhoGAM, Sandimmune, Toradol, Tylenol
Week 9	Central and Peripheral Nervous System A (15)	BuSpar, Depakote, Dilantin, Elavil, Haldol, Lithotabs, Nardil, Prozac, Ritalin, Tegretol, Thorazine, Valium, Wellbutrin, Xanax, Zyprexa
Week 10	Central and Peripheral Nervous System B (10)	Anectine, Cogentin, Dantrium, Imitrex, Levodopa, Narcan, Demerol, Morphine, Flexeril, Propofol
Week 11	Renal (8)	Aldactone, Pyridium, Diamox, Ditropan, HydroDIURIL, Lasix, Osmitol, Flomax
Week 12	GI (11)	Antivert, Carafate, Colace, Cytotec, Imodium, Pancrease, Phenergan, Prilosec, Reglan, Tagamet, Zofran