



**PNSG 2010 Introduction to Pharmacology and Calculations  
COURSE SYLLABUS  
Spring Semester 2019**

**INSTRUCTOR CONTACT INFORMATION**

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Tutoring Hours: Please schedule an appointment

**COURSE INFORMATION**

Credit Hours/Minutes: 2/3000  
Campus/Class Location: Vidalia/ Gillis Building Room 748 : Swainsboro/Building 8 Room – Tiered classroom 8136  
Class Meets: Thursdays 1/10/2019 – 3/13/2019  
Course Reference Number (CRN): 40286

**SOUTHEASTERN TECHNICAL COLLEGE (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 AND RESOURCES**

1. Fundamentals of Nursing Care Concepts, Connections, and Skills, 3<sup>rd</sup> edition, FA Davis by Burton, Smith, & Ludwig
2. Study guide for Fundamentals of Nursing Care Concepts, Connections, and Skills, 3<sup>rd</sup> edition, FA Davis by Burton & Smith
3. Procedure Checklists for Fundamentals of Nursing Care 3<sup>rd</sup> edition, F. A. Davis Wilkinson, Treas, Barnett, & Smith
4. Pharmacology Clear and Simple, 3<sup>rd</sup> Edition, F.A. Davis, Watkins
5. Understanding Medical Surgical Nursing, 5<sup>th</sup> edition, FA Davis by Williams and Hopper
6. Safe Maternity and Pediatric Nursing Care, FA Davis by Linnard-Palmer and Coats
7. Student workbook for Understanding Medical Surgical Nursing, 5<sup>th</sup> edition, FA Davis by Williams and Hopper
8. Study Guide for Safe Maternity and Pediatric Nursing Care, FA Davis by Linnard-Palmer and Coats
9. Assessment technologies institute (ATI) web service and books
10. Electronic Health Record (EHR) Tutor

**REQUIRED SUPPLIES & SOFTWARE**

Pen, pencil, paper, highlighter, calculator, 3 ring binder, computer access, and headphones

Students should not share login credentials with others and should change passwords periodically to maintain security.

## COURSE DESCRIPTION

Applies fundamental mathematical concepts and includes basic drug administration. Emphasizes critical thinking skills. Topics include: systems of measurement, calculating drug problems, resource materials usage, fundamental pharmacology, administering medications in a simulated clinical environment, principles of IV therapy techniques, and client education.

## MAJOR COURSE COMPETENCIES

1. Systems of Measurement
2. Medication Calculations
3. Resource Materials Usage
4. Fundamental Pharmacology
5. Client Education
6. Medication Administration (Simulated Clinical Environment)

## PREREQUISITE(S)

Program Admission

## COURSE OUTLINE

| Order | Systems of Measurement                                                        | Learning Domain | Level of Learning |
|-------|-------------------------------------------------------------------------------|-----------------|-------------------|
| 1     | Compare and Contrast methods of metric and household measurements.            | Cognitive       | Evaluation        |
| 2     | Describe common units utilized in medications.                                | Cognitive       | Comprehension     |
| 3     | Differentiate the relationship between methods of measurement.                | Cognitive       | Analysis          |
| Order | Medication Calculations                                                       | Learning Domain | Level of Learning |
| 1     | Perform computation of correct medication dosages.                            | Psychomotor     | Guided Response   |
| 2     | Perform calculations of I.V. fluid rate and intake.                           | Psychomotor     | Guided Response   |
| Order | Resource Materials Usage                                                      | Learning Domain | Level of Learning |
| 1     | Discuss reference sources for medications.                                    | Cognitive       | Comprehension     |
| 2     | Research information on assigned medications.                                 | Cognitive       | Analysis          |
| 3     | Identify the abbreviations associated with medication administration.         | Cognitive       | Knowledge         |
| 4     | Interpret the information found in prescriptions and other medication labels. | Cognitive       | Application       |
| 5     | Interpret medication orders.                                                  | Cognitive       | Application       |
| Order | Fundamental Pharmacology                                                      | Learning Domain | Level of Learning |
| 1     | Explain medication origins and nomenclature.                                  | Cognitive       | Comprehension     |
| 2     | Discuss commonly used over the counter pharmaceuticals including supplements. | Cognitive       | Comprehension     |

|              |                                                                                                                                                                   |                        |                          |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|
| 3            | Discuss actions, uses, contraindications, adverse reactions, dosages, routes, food and medication interactions, and implications for patient care of medications. | Cognitive              | Comprehension            |
| <b>Order</b> | <b>Client Education</b>                                                                                                                                           | <b>Learning Domain</b> | <b>Level of Learning</b> |
| 1            | Integrate client education as it relates to various drug classifications and routes of medication administration.                                                 | Psychomotor            | Complex Response         |
| <b>Order</b> | <b>Medication Administration (Simulated Clinical Environment)</b>                                                                                                 | <b>Learning Domain</b> | <b>Level of Learning</b> |
| 1            | Interpret the laws governing the use and misuse of medications.                                                                                                   | Cognitive              | Comprehension            |
| 2            | Demonstrate correct administration of oral, parenteral and percutaneous medications.                                                                              | Psychomotor            | Guided Response          |
| 3            | Recognize administration rights of patients.                                                                                                                      | Cognitive              | Analysis                 |
| 4            | Consider administration rights of patients.                                                                                                                       | Affective              | Valuing                  |
| 5            | Implement safety principles in medication administration.                                                                                                         | Psychomotor            | Mechanism                |
| 6            | Integrate appropriate protocol for medication error reporting.                                                                                                    | Cognitive              | Synthesis                |
| 7            | Demonstrate basic principles of intravenous therapy.                                                                                                              | Psychomotor            | Guided Response          |

### GENERAL EDUCATION CORE COMPETENCIES

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

- 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.

### STUDENT REQUIREMENTS

Students are expected to complete all exams and daily assignments. A unit exam average of 70% or above for the unit exams must be obtained in order to take the final exam. Students that do not obtain an exam average of 70% will not be able to take the final exam and will receive a grade of zero on the final exam and will receive an F for the course. A course grade of 70% must be obtained in order to advance into future nursing courses.

Students must make a 100% on a calculation exam before attending clinical each semester. There is a thirty minute time limit on the exam. Student has a maximum of 3 attempts each semester to complete the calculation exam with a 100%. Each attempt will be a different but similar version. If the student fails to achieve 100% on the third attempt, the student will receive a grade of F for the course and will not be allowed to progress in the program.

Students must attend at least one pharmacology calculation review session prior to the first drug calculation exam attempt. Dates and times of the review sessions are noted on the lesson plan portion of this syllabus.

No assignment opportunities will be given for extra credit. Any unit exam grade will be entered as is to the nearest 10<sup>th</sup>. No scores will be rounded (up or down). This rule applies to every grade issued during this semester. All final averages will be recorded as is (i.e. a 69.9 is a 69.9).

During an examination, students are required to place all textbooks and personal property on the floor in the front of the classroom. Students will be required to rotate seats prior to testing per instructions from the instructor. No talking is allowed once the exam begins. Once the exam begins, students will not be allowed to

exit the classroom until the exam is completed. Students found with their cell phone or any other personal communication device during the exam will be considered cheating; which will result in a zero for the exam. All exams are timed with students receiving one minute to answer each examination question. An additional minute will be added per calculation exam question.

It is highly recommended that students take full advantage of all resources available to them: workbooks, end of chapter review questions, NCLEX-PN review questions, and internet sources. However, ALL ATI assignments listed below on the lesson plan are **REQUIRED** to be completed prior to the exam. All ATI assignments must be completed with the appropriate score, printed out, and turned in to the instructor prior to exam. Students will not be allowed in class on exam day or able to take the exam without the appropriate print-out(s). Classroom door may be locked at the start of class.

If these requirements are not met, the student may not be allowed to take the exam. This will be counted as the 1 make-up exam unless the student has already missed a previous exam and then it will be counted as a zero for the exam. The make-up exam is subject to a 10 point deduction if the student does not provide the instructor with an excused absence.

### **Med/Surg. (FA Davis) Online Resources**

Completion of the Pharmacology Clear and Simple (FA Davis) Online Resources is highly recommended to help prepare you for exams and should increase your level of success in this class.

### **Power Points**

Power points for each chapter are available on the student **M: drive**. This student drive can be accessed by going to the STC website and logging into Remote Lab Access.

### **STUDENT SUCESS PLAN**

The Student Success Plan documents deficiencies in performance and provides a means for improvement. A success plan should be initiated for the following reasons:

- If the student has (1) a cumulative unit exam average of < 70% after the completion of 25% of the unit exams or (2) a skill(s) performance deficiency. The faculty will initiate individual counseling session and complete the Student Success Plan.
- If the student has (1) a cumulative unit exam average of < 70% after the completion of 50 % of the unit exams or (2) a skill(s) performance deficiency, the faculty will initiate individual counseling session, as well as review and update the Student Success Plan and submit an Early Alert.
- If the student exhibits behavior outside the expected:
  - codes of conduct outlined in professional codes of ethics, professional standards,
  - All procedures/requirements/policies outlined in program handbooks/documents,
  - STC Catalog and Handbook, and/or
  - Clinical facility policies and procedures.

The faculty will initiate an individual counseling session and complete an Academic Occurrence Notice and the Student Success Plan.

(T)echnical College System of Georgia (E)arly (A)lert (M)anagement (S)ystem (TEAMS) & The Student Success Plan are designed to ensure that students are well informed about strategies for success, including college resources and assistance. One of the responsibilities of the Program faculty is to monitor the academic progression of students throughout the curriculum. The faculty believes that the student is ultimately responsible for seeking assistance; however, faculty will meet or refer students who are having academic difficulties.

- TEAMS is designed to provide assistance for students who may need help with academics, attendance, personal hardships, etc.

Specific information about the Student Support services listed below can be found at [STC Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu) by clicking on the Student Affairs tab.

- Tutoring
- Technical Support
- Textbook Assistance
- Work-Study Programs
- Community Resources

## **ATTENDANCE GUIDELINES**

Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of F and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

## **ADDITIONAL ATTENDANCE PROVISIONS**

### **HEALTH SCIENCES**

Requirements for instructional hours within Health Science and Cosmetology programs reflect the rules of respective licensure boards and/or accrediting agencies. Therefore, these programs have stringent attendance policies. Each program's attendance policy is published in the program's handbook and/or syllabus which specify the number of allowable absences. All provisions for required make-up work in the classroom or clinical experiences are at the discretion of the instructor.

Attendance is counted from the first scheduled class meeting of each semester. To receive credit for a course a student must attend at least 90% of the scheduled instructional time. Time and/or work missed due to tardiness or absences must be made up at the convenience of the instructor. Any student attending less than the required scheduled instructional time (90%) may be dropped from the course as stated below in the Withdrawal Procedure.

For this class, which meets **60 hours**, the maximum number of hours a student can miss is **6 hours** during this semester.

## **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.

Swainsboro Campus: [Macy Gay mgay@southeasterntech.edu](mailto:Macy_Gay_mgay@southeasterntech.edu) , 478-289-2274, Building 1, Room 1208

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:Helen.Thomas@southeasterntech.edu) , 912-538-3126, Building A, Room 108.

## **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 arrangements with the appropriate campus coordinator.

Swainsboro Campus: [Macy Gay mgay@southeasterntech.edu](mailto:Macy.Gay@southeasterntech.edu) , 478-289-2274, Building 1, Room 1208

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:Helen.Thomas@southeasterntech.edu) , 912-538-3126, Building A, Room 108

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**

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (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" is assigned for the course(s) when the student completes the withdrawal form.

Students who are dropped from courses due to attendance after drop/add until the 65% point of the semester will receive a "W" for the course.

Important – Student-initiated withdrawals are not allowed after the 65% point. Only instructors can drop students after the 65% point for violating the attendance procedure of the course. Students who are dropped from courses due to attendance after the 65% point will receive either a "WP" or "WF" for the semester. Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

The 65% mark for this course is 2/19/2019

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 also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of "W" will count in attempted hour calculations for the purpose of Financial Aid.

## **MAKEUP GUIDELINES (EXAMS, QUIZZES, HOMEWORK, PROJECTS, ETC.)**

In the event of an absence on an exam day, the instructor may require a physician's excuse before a student is allowed to take a make-up exam. A student will only be allowed to make-up one theory exam which will be given at the discretion of the instructor. A grade of "0" will be given to all subsequent 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 will NOT be allowed to make-up the final exam and be given a zero for the final exam.

## ACADEMIC DISHONESTY POLICY

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on exams, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and 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 exam 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 second 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<br>Vidalia Campus<br>3001 East 1 <sup>st</sup> Street, Vidalia<br>Office 108 Phone: 912-538-3126<br>Email: <a href="mailto:hthomas@southeasterntech.edu">Helen Thomas</a><br><a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a> | Lanie Jonas, Director of Human Resources<br>Vidalia Campus<br>3001 East 1 <sup>st</sup> Street, Vidalia<br>Office 138B Phone: 912-538-3147<br>Email: <a href="mailto:laniejonas@southeasterntech.edu">Lanie Jonas</a><br><a href="mailto:laniejonas@southeasterntech.edu">mailto:laniejonas@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 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 Exams (Calculated based on 8 unit exams given)                          | 75%        |
| Final Exam (Calculated based on 1 final exam given)                          | 25%        |
| Drug Calculation Exam (Student must score 100% on one of the three attempts) | Pass/Fail  |

**The unit exam percentage is calculated based on seven unit exams that account for 75 percent (%) of the course grade. Students must have a minimum average of 70% in order to be eligible to sit for the final exam. The Final exam accounts for 25% of the cumulative average. Students must maintain a 70% to progress in the program.**

## GRADING SCALE

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



## PNSG 2010 Introduction to Pharmacology and Calculations Fall Semester 2019

| Date/Week                                        | Chapter/Lesson                                                                | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Assignments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Competency Area          |
|--------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1/10/19<br><br>Swainsboro<br>Campus<br>Room 8136 | Chapter 1<br><br>Chapter 2<br><br>Chapter 3<br><br>Chapter 4<br><br>Chapter 5 | Introduction to class & syllabus<br><b>Handouts:</b> <ul style="list-style-type: none"> <li>• Rounding Rules</li> <li>• Conversion table</li> <li>• 100 Calculation practice problems</li> <li>• Reading drug labels, oral dosages, and parenteral dosages</li> </ul> INTRODUCTION TO PHARMACOLOGY<br><br>History of pharmacology<br><br>Basics of pharmacology<br><br>Patient safety in medication administration<br><br>Regulations<br><br>Prescriptions and Labels<br><br><b>In Class-</b><br><b>ATI: Video Case Studies PN:</b><br><i>Medication Administration</i><br><i>Safe Dosage</i><br><br><b>Hands on practice:</b><br>Labels | Memorize rounding rules and conversion table.<br><br>Read chapters prior to class.<br><br><b>ATI ASSIGNMENTS are required prior to EXAM 1 <u>ALL ATI MODULES MUST HAVE A SCORE OF 90 OR BETTER</u></b><br><br><b>ATI Pharmacology Made Easy 3.0:</b><br><i>Introduction to Pharmacology</i><br><i>Not the systems.</i><br><br><b>ATI Dosage Calculations 2.0 (choose ONE method and complete the following):</b><br><br><i>Safe Dosage</i><br><br><i>Medication Administration</i><br><br><i>Case Studies and Finals: Final 1</i><br><br><b>ATI Skills Modules:</b><br><br><i>Medication Administration 1</i> | Course 1-6<br>Core A,B,C |

| Date/Week                                     | Chapter/Lesson                                                                           | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Assignments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Competency Area          |
|-----------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1/17/19<br><br>Vidalia<br>Campus<br>Room: TBA | Chapter 6<br><br>Chapter 7<br><br>Chapter 8<br><br><br><br><br><br><br><br><br>Chapter 9 | <b>EXAM 1</b><br><br>Review Household measurements on conversion sheet<br><br>Review dosage calculation problems<br><br>CALCULATIONS:<br><br>Review of Mathematics<br><br>Measurement Systems<br><br>Dosage Calculations<br><br>ADMINISTRATION OF MEDICATIONS<br><br>Enteral Medications and Administration<br><br><b>In Class-<br/>           ATI: Video Case Studies PN:<br/>           Adverse Reactions to Medications</b><br><br><b>Hands on Practice:<br/>           Lab Skills Chapter 26<br/>           Page 155<br/>           Page 161<br/>           Page 163<br/>           Page 165<br/>           Page 175</b><br><br>Drug Calculation Review<br>1600-1630 | Read chapters prior to class.<br><br><b><i>ATI ASSIGNMENTS are required prior to EXAM 2 ALL ATI MODULES MUST HAVE A SCORE OF 90 OR BETTER</i></b><br><br><b>ATI Dosage Calculations 2.0 (choose ONE method and complete the following):</b><br><br><i>Oral Medications</i><br><br><i>Dosages by Weight</i><br><br><i>Pediatric Medications</i><br><br><i>Powdered medications</i><br><br><i>Case Studies and Finals: Final 2</i><br><br><b>ATI Skills Module 2.0:</b><br><br><i>IV Therapy</i><br><br><i>Medication Administration 2</i> | Course 1-6<br>Core A,B,C |
| 1/22/19                                       |                                                                                          | Drug Calculation Review<br>1600-1630                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |
| 1/23/19                                       |                                                                                          | Drug Calculation Review<br>1600-1630                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                          |



| Date/Week                                              | Chapter/Lesson    | Content                                                                                                                                                                                                                                                                                                                                           | Assignments                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Competency Area                  |
|--------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <p>1/31/19</p> <p>Vidalia<br/>Campus<br/>Room: TBA</p> | <p>Chapter 16</p> | <p><b>Exam 3</b></p> <p>CLASSIFICATIONS OF DRUGS</p> <p>Cardiovascular System Medications</p> <p><b>In Class-</b><br/><b>ATI: Video Case Studies PN:</b><br/><i>Medication Interactions</i></p> <p><b>Hands on Practice:</b><br/><b>Lab Skills Chapter 26</b><br/><b>Page 181</b><br/><b>Page 183</b><br/><b>Page 185</b><br/><b>Page 189</b></p> | <p>Read chapters prior to class.</p> <p><b><i>ATI ASSIGNMENTS are required prior to EXAM 4 <u>ALL ATI MODULES MUST HAVE A SCORE OF 90 OR BETTER</u></i></b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b><br/><i>Hematologic System</i></p> <p><i>Cardiovascular System</i></p> <p><b>ATI Dosage Calculations 2.0</b><br/><i>Critical Care Medications</i></p> <p><i>Case Studies and Finals: Final 4</i></p> <p><b>ATI Skills Modules:</b><br/><i>Medication Administration 4</i></p> | <p>Course 1-6<br/>Core A,B,C</p> |

| Date/Week                                                 | Chapter/Lesson                      | Content                                                                                                                                                                                                                                                                                                                                                                                          | Assignments                                                                                                                                                                                                                        | Competency Area                  |
|-----------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <p>2/7/19</p> <p>Swainsboro<br/>Campus<br/>Room 8136</p>  | <p>Chapter 11</p> <p>Chapter 15</p> | <p><b>Exam 4</b></p> <p>CLASSIFICATIONS OF DRUGS</p> <p>Integumentary System Medications</p> <p>Endocrine System Medications</p> <p><b>In Class-</b><br/><b>ATI: Video Case Studies PN:</b><br/><i>Mixing Insulins</i></p> <p><b>Hands on Practice:</b><br/><b>Lab Skills Chapter 26</b><br/><b>Page 171</b><br/><b>Page 381</b><br/><b>Page 371</b><br/><b>Page 375</b><br/><b>Page 379</b></p> | <p>Read chapters prior to class.</p> <p><b><i>ATI ASSIGNMENTS are required prior to EXAM 5 ALL ATI MODULES MUST HAVE A SCORE OF 90 OR BETTER</i></b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b><br/><i>Endocrine System</i></p> | <p>Course 1-6<br/>Core A,B,C</p> |
| <p><b>2/11/2019</b><br/><b>MONDAY</b><br/><b>0830</b></p> |                                     | <p><b><i>Drug Calculation Exam Attempt 2</i></b></p>                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                    |                                  |

| Date/Week                                      | Chapter/Lesson                       | Content                                                                                                                                                                                                                                                                                                                                                                                   | Assignments                                                                                                                                                                                                                                                           | Competency Area          |
|------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 2/14/19<br><br>Vidalia<br>Campus<br>Room: TBA  | <br><br>Chapter 12<br><br>Chapter 18 | <b>Exam 5</b><br><br>CLASSIFICATIONS OF DRUGS<br><br>Musculoskeletal System Medications<br><br>Pulmonary System Medications<br><br><b>In Class-</b><br><b>ATI: Video Case Studies PN:</b><br><i>Metered Dose Inhalers</i><br><br><b>Hands on Practice:</b><br><b>Lab Skills Chapter 26</b><br><b>Page 157</b><br><b>Page 159</b><br><b>Page 137</b><br><b>Page 387</b><br><b>Page 389</b> | Read chapters prior to class.<br><br><b><i>ATI ASSIGNMENTS are required prior to EXAM 6 ALL ATI MODULES MUST HAVE A SCORE OF 90 OR BETTER</i></b><br><br><b>ATI Pharmacology Made Easy 3.0:</b><br><br><i>Musculoskeletal System</i><br><br><i>Respiratory System</i> | Course 1-6<br>Core A,B,C |
| <b>2/18/19</b><br><b>MONDAY</b><br><b>0830</b> |                                      | <b><i>Drug Calculation Exam Attempt 3</i></b>                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                       |                          |
| <b>2/19/19</b>                                 |                                      | <b><i>65% POINT</i></b>                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                       |                          |

| Date/Week                                                 | Chapter/Lesson                      | Content                                                                                                                                                                                                                                                                                                                                                                                                         | Assignments                                                                                                                                                                                                                                                                                                           | Competency Area                  |
|-----------------------------------------------------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <p>2/21/19</p> <p>Swainsboro<br/>Campus<br/>Room 8136</p> | <p>Chapter 19</p> <p>Chapter 20</p> | <p><b>Exam 6</b></p> <p>CLASSIFICATIONS OF DRUGS</p> <p>Gastrointestinal System Medications</p> <p>Reproductive and Urinary System Medications</p> <p><b>In Class-</b><br/><b>ATI: Video Case Studies PN:</b><br/><i>Pharmacology Across the Lifespan</i></p> <p><b>Hands on Practice:</b><br/><b>Lab Skills Chapter 26</b><br/><b>Page 169</b><br/><b>Page 173</b><br/><b>Page 193</b><br/><b>Page 195</b></p> | <p>Read chapters prior to class.</p> <p><b><i>ATI ASSIGNMENTS are required prior to EXAM 7 ALL ATI MODULES MUST HAVE A SCORE OF 90 OR BETTER</i></b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b><br/><i>Gastrointestinal System</i></p> <p><i>Reproductive and Genitourinary System</i></p>                         | <p>Course 1-6<br/>Core A,B,C</p> |
| <p>2/28/19</p> <p>Vidalia<br/>Campus<br/>Room: TBA</p>    | <p>Chapter 13</p> <p>Chapter 21</p> | <p><b>Exam 7</b></p> <p>CLASSIFICATIONS OF DRUGS</p> <p>Nervous System Medications</p> <p>Vitamins, Minerals, Herbs, and Complementary and Alternative Medicine</p> <p><b>In Class-</b><br/><b>ATI: Video Case Studies PN:</b><br/><i>Polypharmacy</i></p> <p><b>Hands on Practice:</b><br/><b>Lab Skills Chapter 26</b><br/><b>Page 145</b><br/><b>Page 147</b><br/><b>Page 151</b></p>                        | <p>Read chapters prior to class.</p> <p><b><i>ATI ASSIGNMENTS are required prior to EXAM 8 ALL ATI MODULES MUST HAVE A SCORE OF 90 OR BETTER</i></b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b><br/><i>Neurologic System Part 1</i></p> <p><i>Neurologic System Part 2</i></p> <p><i>Pain and Inflammation</i></p> | <p>Course 1-6<br/>Core A,B,C</p> |

| Date/Week                       | Chapter/Lesson                                   | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Assignments                                                                                                                                                            | Competency Area          |
|---------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 3/7/19<br><br>Swainsboro Campus |                                                  | <b>Exam 8</b><br><br><b>Open lab for practice</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>ATI ASSIGNMENTS are required prior to Final EXAM</b><br><br><b>ATI Learning System: (minimal score of 70)</b><br><i>Pharmacology Practice Assessment A &amp; B.</i> | Course 1-6<br>Core A,B,C |
| 3/13/19<br><br>Vidalia Campus   | Procedure Checklists for Fundamentals of Nursing | <b>Cumulative Final Exam over all content covered in the course.</b><br><br><b>Then...</b><br><br><b>Lab Skill Check Offs</b><br><b>Chapter 26, Pages:</b><br>135 Medication guidelines<br>137 Adding Medications to IV fluids<br>139 Administering intradermal medications<br>141 Administering intramuscular medications<br>145 Administering IV push medications through an infusing primary line<br>147 Administering IV push medications through an IV lock<br>151 Administering medications through a Central venous access device<br>155 Administering medications through an enteral tube<br>157 Administering medications metered-dose inhaler medications<br>159 Administering nasal medication<br>161 Administering ophthalmic medication<br>163 Administering oral medication<br>165 Administering otic medication<br>167 Administering subcutaneous medication<br>169 Administering vaginal medication<br>171 Applying medications to the skin |                                                                                                                                                                        |                          |



| Date/Week | Chapter/Lesson | Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Assignments | Competency Area |
|-----------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|
|           |                | 173 Inserting a rectal suppository<br>175 Irrigating the eyes<br>177 Locating intramuscular injection sites<br>181 Drawing up medications from ampules<br>183 Mixing medications from one ampule and vial<br>185 Preparing and drawing up medication: Mixing medication from two vials<br>189 Drawing up medications from vials<br>191 Recapping needles using one handed technique<br>193 Using a piggyback administration set with a gravity infusion<br>195 Using a piggyback administration set with an infusion pump<br><b>Chapter 38, Pages:</b><br>371 Changing IV dressings<br>375 Changing IV solutions and tubing<br>379 Discontinuing an IV line<br>381 Initiating a peripheral Intravenous infusion<br>387 Regulating the IV flow rate<br>389 Setting up and using volume-control pumps |             |                 |

**COMPETENCY AREAS**

1. Systems of Measurement
2. Medication Calculations
3. Resource Materials Usage
4. Fundamental Pharmacology
5. Client Education
6. Medication Administration(Simulated Clinical Environment)

**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.

**DISCLAIMER STATEMENTS**

Instructor reserves the right to change the syllabus and/or lesson plan as necessary. The official copy of the syllabus will be given to the student during face to face class time the first day of the semester. The syllabus displayed in advance of the semester in a location other than the course you are enrolled in is for planning purposes only.