



**PNSG 2010 Introduction to Pharmacology and Calculations  
COURSE SYLLABUS  
Fall Semester 2018**

**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  
Class Meets: Thursdays 8/16/2018-10/18/18 and Wednesday 10/17/18 from 0900 - 1600  
Course Reference Number (CRN): 20309

**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**

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

**REQUIRED SUPPLIES & SOFTWARE**

1. Ear phones
2. Calculator
3. Pencils with erasers

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     |

| Order | Client Education  | Learning Domain | Level of Learning |
|-------|---|-----------------|-------------------|
| 1     | Integrate client education as it relates to various drug classifications and routes of medication administration. | Psychomotor     | Complex Response  |
| Order | Medication Administration (Simulated Clinical Environment)  | Learning Domain | Level of Learning |
| 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.

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 the all resources available to them; workbooks, end of chapter review questions, NCLEX-PN review questions, and internet sources but, will be REQUIRED to complete all ATI assignments that correspond with covered chapters. Any ATI assignments; these must be completed with a passing score; print out report and turn in prior to exam.

If these requirements are not met the student will 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.

Students are subject to pop quizzes

### **ATI PROCTORED ASSESSMENT:**

Proctored assessments will be scheduled throughout different courses and given once 75% of the specific content is covered. The corresponding practice assessments A&B are to be completed prior to each proctored assessment. Remediation for proctored assessments is outlined below. All remediation must be hand written and is due at the end of the semester in which the proctored exam is given. However, remediation for proctored exams that are given during the final semester are due before the comprehensive predictor. Once the student has completed the remediation assignment and turned in to the instructor, the instructor will update the ATI remediation form found on the Q drive and return the remediation to the student. If the student fails to complete the remediation assignment prior to the comprehensive predictor, the student will be unable to take the comprehensive predictor and the attempt will be forfeited.

| <b>Level 3</b>               | <b>Level 2</b>   | <b>Level 1</b>  | <b>Below Level 1</b>  |
|------------------------------|--|---|---|
| <b>1 hour Focused Review</b> | <b>2 hours Focused Review</b><br>One critical point to remember for each topic to review | <b>3 hours Focused Review</b><br>Two critical points to remember for each topic to review | <b>4 hours Focused Review</b><br>Three critical points to remember for each topic to review |

### **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.

Tardy means arriving after the scheduled time for instruction to begin. Early departure means leaving before the end of the scheduled time. Three (3) tardies or early departures equal one (1) absence for the course. A tardy will be issued if a student has missed less than 20% of instructional class time. An automatic absence will be issued if the student misses greater than 20% of instructional class time. This averages out to 10 minutes per hour. Tardies after lunch and early departures are calculated in the same manner.

## **SPECIAL NEEDS**

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

### **SPECIFIC ABSENCES**

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

### **PREGNANCY**

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

### **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.

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.

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

### **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 re-take 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 test 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:

|   |   |
|---|---|
| <p><b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b></p>  | <p><b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b></p>  |
| <p>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></p> | <p>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:ljonas@southeasterntech.edu">Lanie Jonas</a><br/><a href="mailto:ljonas@southeasterntech.edu">mailto:ljonas@southeasterntech.edu</a></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 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**

| <b>Assessment/Assignment</b>   | <b>Percentage</b> |
|--|-------------------|
| Unit Exams (Calculated based on 7 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         |

## **GRADING SCALE**

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



## PNSG 2010 Introduction to Pharmacology and Calculations Fall Semester 2018

| Date/Week | Chapter/Lesson  | Content  | Assignments   | Competency Area          |
|-----------|---|--|---|--------------------------|
| 08/16/18  | <p style="text-align: center;">ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 1</p> <p style="text-align: center;">Fundamental<br/>Chapter 35</p> <p style="text-align: center;">ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 2</p> <p style="text-align: center;">ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 5</p> <p style="text-align: center;">ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 3</p> | <p>Introduction to class &amp; Syllabus</p> <p><b>Handouts:</b></p> <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 parental dosages</li> </ul> <p><b>Powerpoint:</b></p> <ul style="list-style-type: none"> <li>• History of Pharmacology</li> <li>• Route of Administration</li> <li>• Drug cycle</li> <li>• Drug Resources for Information</li> <li>• Federal Regulations</li> <li>• Reading Drug Labels</li> </ul> <p>Pharmacokinetics and routes of administration</p> <p>Researching and preparing medications</p> <p>Safe medication administration and error reduction</p> <p>Adverse effects, Interactions, and Contraindications</p> <p>This is a review/self study to prepare you to review the calculation practice problems handout.</p> | <p>Memorize rounding rules and conversion table.</p> <p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS are required prior to EXAM 1</b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b><br/><i>Introduction to Pharmacology</i><br/><i>Not the systems.</i></p> <p><b>ATI Dosage Calculations 2.0 (choose ONE method and complete the following):</b></p> <p><i>Safe Dosage</i></p> <p><i>Medication Administration</i></p> <p><b>ATI ACTIVE STACK pharmacology flash cards:</b><br/><b>Principals of Pharmacology</b></p> | Course 1-6<br>Core A,B,C |

| Date/Week | Chapter/Lesson   | Content   | Assignments  | Competency Area          |
|-----------|--|---|--|--------------------------|
| 08/23/18  | Fundamental Chapter 36   | <p><b>Exam 1</b></p> <p>Review Household measurements on conversion sheet</p> <p>Administering oral, topical, and mucosal medications</p> <p>“Hands on practice lab”</p> <p>Review dosage calculation problems</p>  | <p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS are required prior to EXAM 2</b></p> <p><b>ATI Dosage Calculations 2.0 (choose ONE method and complete the following):</b></p> <p><i>Oral Medications</i></p> <p><i>Dosages by Weight</i></p> <p><i>Pediatric Medications</i></p>   | Course 1-6<br>Core A,B,C |
| 08/30/18  | <p>Fundamental Chapter 37</p> <p>Fundamental Chapter 38</p> <p>ATI PN Pharmacology for Nursing Chapter 4</p> | <p>Administering Intradermal, Subcutaneous, and Intramuscular Injections</p> <p>Peripheral Intravenous Therapy<br/>Intravenous Therapy</p> <p>Intravenous Therapy</p> <p>Review dosage calculation problems:</p> <p>Drop Rate Calculations<br/>mL/hr calculations</p> | <p>Read chapters prior to class.</p> <p><b>ATI Dosage Calculations 2.0 (choose ONE method and complete the following):</b></p> <p><i>Injectable Medications</i></p> <p><i>Critical care medications</i></p> <p><i>Powdered medications</i></p> <p><i>Parenteral medications</i></p> <p><b>ATI Skills Modules:</b><br/><i>Medication Administration 1-4</i></p> | Course 1-6<br>Core A,B,C |

| Date/Week | Chapter/Lesson  | Content  | Assignments  | Competency Area                  |
|-----------|---|--|--|----------------------------------|
| 9/6/18    | <p>Fundamental Chapter 19</p> <p>ATI PN Pharmacology for Nursing Chapter 30</p> <p>ATI PN Pharmacology for Nursing Chapter 31</p> <p>ATI PN Pharmacology for Nursing Chapter 33</p> <p>ATI PN Pharmacology for Nursing Chapter 16</p> <p>ATI PN Pharmacology for Nursing Chapter 17</p> | <p><b>Exam 2</b></p> <p>Pain management, rest, and restorative sleep (pages 389-397 only)</p> <p>No opioid analgesics</p> <p>Opioid agonists and antagonists</p> <p>Miscellaneous Pain Medications</p> <p>Airflow disorders</p> <p>Upper respiratory disorders</p> | <p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS are required prior to EXAM 3</b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b></p> <p><i>Pain &amp; Inflammation</i></p> <p><i>Respiratory System</i></p> <p><b>ATI ACTIVE STACK pharmacology flash cards:</b></p> <p><b>Pain and Inflammation Drugs</b></p> <p><b>AND</b></p> <p><b>Respiratory System Drugs</b></p> | <p>Course 1-6<br/>Core A,B,C</p> |

| Date/Week | Chapter/Lesson  | Content  | Assignments   | Competency Area                  |
|-----------|---|--|---|----------------------------------|
| 9/13/18   | <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 18</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 19</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 20</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 21</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 22</p> | <p><b>Exam 3</b></p> <p>Medications affecting urinary output</p> <p>Medications affecting blood pressure</p> <p>Cardiac glycosides and heart failure</p> <p>Angina and antilipemic agents</p> <p>Medications affecting coagulation</p> | <p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS are required prior to EXAM 4</b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b></p> <p><i>Cardiovascular System</i></p> <p><i>Hematologic System</i></p> <p><b>ATI ACTIVE STACK pharmacology flash cards: Cardiovascular System Drugs</b></p> | <p>Course 1-6<br/>Core A,B,C</p> |

| Date/Week | Chapter/Lesson  | Content  | Assignments  | Competency Area                  |
|-----------|---|--|--|----------------------------------|
| 9/20/18   | <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 25</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 26</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 6</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 7</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 8</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 9</p> | <p><b>Exam 4</b></p> <p>Gastrointestinal disorders</p> <p>Vitamins, minerals, and supplements</p> <p>Anxiety disorders</p> <p>Depressive disorders</p> <p>Bipolar disorders</p> <p>Psychotic disorders</p> | <p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS are required prior to EXAM 5</b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b></p> <p><i>Gastrointestinal System</i></p> <p><i>Neurologic System Part 1</i></p> <p><i>Neurologic System Part 2</i></p> <p><b>ATI ACTIVE STACK pharmacology flash cards: Neurologic System Drugs</b></p> <p><b>AND</b></p> <p><b>Gastrointestinal System Drugs</b></p> | <p>Course 1-6<br/>Core A,B,C</p> |

| Date/Week | Chapter/Lesson  | Content   | Assignments   | Competency Area                  |
|-----------|---|---|---|----------------------------------|
| 9/27/18   | <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 36</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 37</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 38</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 39</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 40</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 41</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 42</p> | <p><b>Exam 5</b></p> <p>Immunizations</p> <p>Principles of antimicrobial therapy</p> <p>Antibiotics affecting the bacterial cell wall</p> <p>Antibiotics affecting protein synthesis</p> <p>Urinary tract infections</p> <p>Mycobacterial, fungal, and parasitic infections</p> <p>Viral infections, HIV, and AIDS</p> <p><b>Drug Calculation Exam<br/>1<sup>st</sup> attempt</b></p> | <p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS are required prior to EXAM 6</b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b></p> <p><i>Infection</i></p> <p><b>ATI ACTIVE STACK pharmacology flash cards: Infection System Drugs</b></p> <p><b>AND</b></p> <p><b>Immune System Drugs</b></p> | <p>Course 1-6<br/>Core A,B,C</p> |

| Date/Week | Chapter/Lesson  | Content   | Assignments   | Competency Area                  |
|-----------|---|---|---|----------------------------------|
| 10/4/18   | <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 27</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 28</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 29</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 34</p> <p>ATI PN<br/>Pharmacology<br/>for Nursing<br/>Chapter 35</p> | <p><b>Exam 6</b></p> <p>Medications affecting the reproductive tract</p> <p>Rheumatoid arthritis</p> <p>Bone disorders</p> <p>Diabetes mellitus</p> <p>Endocrine disorders</p> <p><b>Drug Calculation Exam 2<sup>nd</sup> attempt</b></p> | <p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS are required prior to EXAM 7</b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b></p> <p><i>Endocrine System</i></p> <p><i>Reproductive &amp; Genitourinary System</i></p> <p><i>Musculoskeletal System</i></p> <p><b>ATI ACTIVE STACK pharmacology flash cards: Reproductive and Genitourinary System drugs</b></p> <p><b>AND</b></p> <p><b>Endocrine System Drugs</b></p> | <p>Course 1-6<br/>Core A,B,C</p> |
| 10/17/18  |   | <p><b>Exam 7</b></p> <p><b>Drug Calculation Exam 3<sup>rd</sup> attempt</b></p> <p><b>Open lab for practice</b></p>   | <p><b>ATI ASSIGNMENTS are required prior to Final EXAM</b></p> <p><b>ATI Learning System:</b></p> <p><i>Pharmacology Practice Assessment A &amp; B.</i></p>   | <p>Course 1-6<br/>Core A,B,C</p> |
|           |   |   |   |                                  |

| Date/Week | Chapter/Lesson | Content  | Assignments | Competency Area |
|-----------|----------------|--|-------------|-----------------|
| 10/18/18  |                | <p><b>Cumulative Final Exam over all content covered in the course.</b></p> <p><b>Then...</b></p> <p><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<br/> 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</p> |             |                 |



| Date/Week | Chapter/Lesson | Content   | Assignments | Competency Area |
|-----------|----------------|---|-------------|-----------------|
|           |                | 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.