



**PNSG 2010 Introduction to Pharmacology and Calculations  
COURSE SYLLABUS  
Spring Semester 2021 (202114)**

**COURSE INFORMATION**

Credit Hours/Minutes: 2/3000

Campus/Class Location: Vidalia Campus Main Building Room 418

Class Meets: Thursdays from 0900-1600; January 14 – March 18 1600-1630 for calculation reviews; 09/15/20, 09/22/20, 09/29/20 at 0800 for calculation exam attempts

Course Reference Number (CRN): 40290

**INSTRUCTOR CONTACT INFORMATION**

Instructor Name: Sheila Van Dyke, BSN, RN

Office Location: Vidalia Campus Gillis Building Office 706

Office Hours: Monday – Thursday 0730 – 0900 and 1600 – 1700

Email Address: [svandyke@southeasterntech.edu](mailto:svandyke@southeasterntech.edu)

Phone: 912-538-3105

Fax Number: 912-538-3106

Tutoring Hours: Please schedule an appointment.

**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](https://catalog.southeasterntech.edu/college-catalog/downloads/current.pdf) (<https://catalog.southeasterntech.edu/college-catalog/downloads/current.pdf>).

**REQUIRED TEXT AND RESOURCES**

1. Fundamentals of Nursing Care: Concepts, Connections, and Skills, 3rd Edition, FA Davis by Burton, Smith & Ludwig
2. Nursing Care Plans, 10th Edition, Doenges, Morehouse et al.
3. Davis's Nursing Skills **Videos** for LPN/LVN, 3rd Edition (This is not a book. Student has access to skills videos through FA Davis website.)
4. Pharmacology Clear and Simple, 3rd Edition, F.A. Davis, Watkins
5. Understanding Medical Surgical Nursing, 6th Edition, FA Davis, Williams and Hopper
6. Safe Maternity and Pediatric Nursing Care, FA Davis, Linnard-Palmer and Coats
7. Davis's Drug Guide for Nurses, 17th Edition, April Hazard Vallerand, Cynthia A. Sanoski
8. Assessment Technologies Institute (ATI) web services and books

**REQUIRED SUPPLIES & SOFTWARE**

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

**Laptop/personal computer is required.**

**Suggested specifications include:**

- Processor i5 or i7
- Memory 8GB or higher
- Hard drive 250GB or larger
- DVD Drive either internal or external

**Required:**

- Webcam with microphone
- A minimum internet speed of 5 Mbps. (10 Mbps or more is recommended). Test your internet speed using [www.speedtest.net](http://www.speedtest.net).

Google chrome and Firefox are the recommended browsers to use for blackboard collaborate.

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

<b>Order</b>	<b>Medication Calculations</b>	<b>Learning Domain</b>	<b>Level of Learning</b>
1	Perform computation of correct medication dosages.	Psychomotor	Guided Response
2	Perform calculations of I.V. fluid rate and intake.	Psychomotor	Guided Response
<b>Order</b>	<b>Resource Materials Usage</b>	<b>Learning Domain</b>	<b>Level of Learning</b>
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
<b>Order</b>	<b>Fundamental Pharmacology</b>	<b>Learning Domain</b>	<b>Level of Learning</b>
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

### COVID-19 MASK REQUIREMENT

Masks or face coverings must be worn at all times while on the campus of Southeastern Technical College. This measure is being implemented to reduce COVID-19 related health risks for everyone engaged in the educational process. Masks or face coverings must be worn over the nose and mouth, in accordance with the Centers for Disease Control and Prevention (CDC). A student's refusal to wear a mask or face covering will be considered a classroom disruption and the student may be asked to leave campus and/or receive further discipline.

### COVID-19 SIGNS AND SYMPTOMS

We encourage individuals to monitor for the signs and symptoms of COVID-19 prior to coming on campus.

If you have experienced the symptoms listed below or have a body temperature 100.4°F or higher, we encourage you to self-quarantine at home and contact a primary care physician's office, local urgent care facility, or health department for further direction. Please notify your instructor(s) by email and do not come on campus for any reason.

COVID-19 Key Symptoms
Fever or felt feverish
Cough: new or worsening, not attributed to another health condition
Shortness of breath, not attributed to another health condition
New loss of taste or smell
Chills; Repeated shaking with chills
Sore throat, not attributed to another health condition
Muscle pain, not attributed to another health condition or exercise
Headache, not attributed to another health condition
Diarrhea (unless due to known cause)
<b>In the past 14 days, if you:</b>
Have had close contact with or are caring for an individual diagnosed with COVID-19 at home (not in healthcare setting), please do not come on campus and contact your instructor (s).

### COVID-19 SELF-REPORTING REQUIREMENT

Students, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using the [COVID 19 Health Reporting Form](#). Report all positive cases of COVID-19 to your instructor and [Stephannie Waters](#), Exposure Control Coordinator, [swaters@southeasterntech.edu](mailto:swaters@southeasterntech.edu), 912-538-3195.

### STC CAMPUS DRESS CODE (CLASSROOM, LAB)

Students will be asked to dress in professional nursing attire while in the classroom, skills lab and clinical. This will mean students will be expected to dress appropriately each day. Students will be asked to wear scrub pants and a t-shirt or a full scrub set (your choice of style and color) to class/lab each day. Students should wear shoes that are comfortable and have an enclosed heel and toe. A great example is a tennis shoe or

nursing clog. During lab, hair should be pulled back and secured.

## **ASSIGNMENTS AND EXAMS**

Students are expected to complete all daily assignments and exams. A unit exam average of 70% or above 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 WP or WF for all PNSG courses in which they are enrolled and will not be able to progress in the program.

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). *For example: exam has 60 questions and each question will be worth 1.66 pts. The student correctly answers 52 questions out of 60.  $52 \text{ correct answers} \times 1.66 = 86.32$ . The grade will be recorded as 86.3.* This rule applies to every grade issued during the semester. All final averages will be recorded as is (ie a 69.9 is a 69.9).

## **CAMPUS TESTING**

During an examination, students are required to place all textbooks and personal property on the floor in front of the classroom. Students may be required to rotate seats prior to testing per instructions from the instructor. No talking is allowed once the exam begins. 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.

## **ATI ASSIGNMENTS**

ATI assignments listed on the lesson plan must be completed with at least a score of 90 unless otherwise noted, and timed 1 hour prior to the scheduled exam. Incomplete assignments and/or assignments completed after the deadline will result in a 10 point deduction from the exam grade. Drug cards listed on the lesson plan must be completed and turned in 1 hour prior to the scheduled exam. Drug cards are to be **handwritten** using the ATI template. Complications, Contraindications, Interactions, Nursing Interventions and Client Education must list at least 4 points and should be prioritized. Incomplete assignments and/or assignments completed after the deadline will result in a 10 point deduction from the exam grade.

## **CALCULATION EXAM**

Students are required to take a calculation exam prior to attending clinical each semester as outlined on appropriate course syllabi. The student will have 3 attempts to score 100%. With each attempt a similar, but different exam will be given. The student will be allowed three minutes per problem. There will be a minimum of ten questions on the exam. The student will have one week between each attempt for remediation. Students will be allowed to use a standard calculator for the exam. No personal devices will be utilized for the exam. If a student is unsuccessful after three attempts, the student will receive a W for all PNSG courses in which they are enrolled and will not be able to progress in the program. The importance of this is to promote safe medication administration in the clinical setting and reduce medication errors.

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.

## **MAKEUP GUIDELINES (EXAMS, QUIZZES, HOMEWORK, PROJECTS, SKILLS, 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.

It is the student's responsibility to obtain notes, lecture recordings, or information presented in class when the student is absent.

## **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 SUCCESS 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 e Catalog and Student 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.

## STUDENT SUPPORT

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 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:MacyGay@southeasterntech.edu) , 478-289-2274, Building 1, Room 1210

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:HelenThomas@southeasterntech.edu) , 912-538-3126, Building A, Room 165.

## 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:MacyGay@southeasterntech.edu) , 478-289-2274, Building 1, Room 1210

Vidalia Campus: [Helen Thomas hthomas@southeasterntech.edu](mailto:HelenThomas@southeasterntech.edu) , 912-538-3126, Building A, Room 165

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" (Withdrawn) 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" (Withdrawn Passing) or "WF" (Withdrawn Failing) 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.

**The 65% point for this course is 02/24/21**

## **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 Student Handbook.

## **PROCEDURE FOR ACADEMIC MISCONDUCT**

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

### **1. First Offense**

Student will be assigned a grade of "0" for the 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 (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, 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 nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

The Technical College System and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

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

<b>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</b>	<b>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 165 Phone: 912-538-3126 Email: <a href="mailto:Helen.Thomas@southeasterntech.edu">Helen.Thomas@southeasterntech.edu</a>	Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3230 Email: <a href="mailto:Lanie.Jonas@southeasterntech.edu">Lanie.Jonas@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%
Calculation Exam (Student must score 100% on one of the three attempts in order to progress in the course and program. Students who do not meet the requirements for the Calculation Examination on the third attempt will receive a W for all PNSG courses in which they are enrolled and will not be able to progress in the program.)	Pass/Fail

### 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 Spring Semester 2021

Date/Week	Chapter/Lesson	Content	Assignments	Competency Area
01/14/21	<p>Chapter 1</p> <p>Chapter 2</p> <p>Chapter 3</p>	<p>Introduction to class &amp; syllabus review</p> <p><b>Handouts:</b></p> <ul style="list-style-type: none"> <li>• Rounding Rules</li> <li>• Conversion Table</li> <li>• Drug calculation practice packet</li> <li>• Reading drug labels, oral dosages, and parenteral dosages</li> <li>• Common Pharmacologic Abbreviations</li> </ul> <p>History of Pharmacology</p> <p>Basics of Pharmacology</p> <p>Patient Safety in Medication Administration</p> <p><b>In Class-</b> <b>ATI: Video Case Studies PN:</b> <i>Medication Administration</i> <i>Safe Dosage</i></p>	<p>Memorize rounding rules and conversion table.</p> <p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS required prior to EXAM 1: (minimal score of 90 required)</b></p> <p><b>ATI Pharmacology Made Easy 4.0:</b> <i>1. Introduction to Pharmacology</i></p> <p><b>ATI: Dosage Calculation and Safe Medication Administration 3.0</b> <i>2. Safe Dosage</i></p> <p><i>3. Medication Administration</i></p> <p><b>ATI Skills Modules 3.0:</b> <i>4. Medication Administration 1</i></p> <p><b>ATI: Video Case Studies PN 2.0:</b> <i>5. Medication Administration</i></p> <p><i>6. Safe Dosage</i></p> <p><b>Medications:</b> <i>Omeprazole</i> <i>Lithium</i></p>	Course 1-6 Core A,B,C

Date/Week	Chapter/Lesson	Content	Assignments	Competency Area
01/21/21	<p>Chapter 4</p> <p>Chapter 5</p> <p>Chapter 7</p>	<p><b>EXAM 1</b></p> <p>Review household measurements on conversion sheet</p> <p>Review dosage calculation problems</p> <p>Regulations</p> <p>Prescriptions and Labels</p> <p>Measurement Systems</p> <p><b>Hands On Lab Time</b></p>	<p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS required prior to EXAM 2: (minimal score of 90 required)</b></p> <p><b>ATI: Dosage Calculation and Safe Medication Administration 3.0</b></p> <p><i>1.Oral Medications</i></p> <p><i>2.Dosages by Weight</i></p> <p><i>3.Pediatric Medications</i></p> <p><i>4.Powdered medications</i></p> <p><b>ATI Skills Module 3.0:</b></p> <p><i>5.Medication Administration 2</i></p> <p><b>ATI: Video Case Studies PN 2.0:</b></p> <p><i>6.Adverse Reactions to Medications</i></p> <p><b>Medications:</b></p> <p><i>Heparin</i></p> <p><i>Lisinopril</i></p>	<p>Course 1-6 Core A,B,C</p>

Date/Week	Chapter/Lesson	Content	Assignments	Competency Area
1/28/21	<p>Chapter 8</p> <p>Chapter 9</p>	<p><b>EXAM 2</b></p> <p>Dosage Calculations</p> <p>Enteral Medications and Administration</p> <p><i>Hands On Lab Time</i></p> <p><i>Calculation Review 1</i> <i>1600-1630</i></p>	<p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS required prior to EXAM 3: (minimal score of 90 required)</b></p> <p><b>ATI: Dosage Calculation and Safe Medication Administration 3.0</b></p> <p><i>1.Injectable Medications</i></p> <p><i>2.Parenteral medications</i></p> <p><b>ATI Skills Module 3.0</b></p> <p><i>3.IV Therapy</i></p> <p><i>4.Medication Administration 3</i></p> <p><b>ATI: Video Case Studies PN 2.0:</b></p> <p><i>5.Look and Sound Alike Medications</i></p> <p><b>Medications:</b></p> <p><i>Verapamil</i></p> <p><i>Warfarin</i></p>	<p>Course 1-6 Core A,B,C</p>
02/02/21 Tuesday		<p><i>Calculation Review 2</i> <i>1600-1630</i></p>		

Date/Week	Chapter/Lesson	Content	Assignments	Competency Area
02/04/21	Chapter 10	<p><b>EXAM 3</b></p> <p>Parenteral Medications and Administration</p> <p><i>Hands On Lab Time</i></p> <p><i>Calculation Review 3 (Mock Exam) 1600-1630</i></p>	<p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS required prior to EXAM 4: (minimal score of 90 required)</b></p> <p><b>ATI Pharmacology Made Easy 4.0:</b></p> <p><i>1. Infection</i></p> <p><i>2. Immune System</i></p> <p><b>ATI Skills Modules 3.0:</b></p> <p><i>3. Medication Administration 4</i></p> <p><b>ATI: Video Case Studies PN 2.0:</b></p> <p><i>4. Medication Interactions</i></p> <p><b>Medications:</b></p> <p><i>Morphine</i></p> <p><i>Ciprofloxacin</i></p>	Course 1-6 Core A,B,C
02/09/21 Tuesday 0800		<i>Calculation Exam Attempt 1: Review at 1600</i>		

Date/Week	Chapter/Lesson	Content	Assignments	Competency Area
02/11/21	Chapter 16 Chapter 17	<b>EXAM 4</b>  Cardiovascular System Medications  Immunological System Medications   <i>Hands On Lab Time</i>	Read chapters prior to class.  <b>ATI ASSIGNMENTS required prior to EXAM 5: (minimal score of 90 required)</b>  <b>ATI Pharmacology Made Easy 4.0:</b> <i>1.Hematologic System</i>  <i>2.Cardiovascular System</i>  <b>ATI: Video Case Studies PN 2.0:</b> <i>3.Pharmacology Across the Lifespan</i>  <b>Medications:</b> <i>Gentamicin</i> <i>Digoxin</i>	Course 1-6 Core A,B,C
02/16/21 Tuesday 0800		<i>Calculation Exam Attempt 2</i>		

Date/Week	Chapter/Lesson	Content	Assignments	Competency Area
02/18/21	Chapter 11  Chapter 15	<b>EXAM 5</b>  Integumentary System Medications  Endocrine System Medications  <i>Hands On Lab Time</i>	Read chapters prior to class.  <b>ATI ASSIGNMENTS required prior to EXAM 6: (minimal score of 90 required)</b>  <b>ATI Pharmacology Made Easy 4.0:</b> <i>1.Endocrine</i>  <b>ATI: Video Case Studies PN 2.0:</b> <i>2.Mixing Insulins</i>  <b>Medications:</b> <i>Glipizide</i> <i>Levothyroxine</i>	Course 1-6 Core A,B,C
02/23/21 Tuesday 0800		<i>Calculation Exam Attempt 3</i>		
02/24/21 Wednesday		<i>65% POINT</i>		



Date/Week	Chapter/Lesson	Content	Assignments	Competency Area
02/25/21	<p>Chapter 12</p> <p>Chapter 18</p> <p>Chapter 19</p>	<p><b>EXAM 6</b></p> <p>Musculoskeletal System Medications</p> <p>Pulmonary System Medications</p> <p>Gastrointestinal System Medications</p> <p><b><i>Hands On Lab Time</i></b></p>	<p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS required prior to EXAM 7: (minimal score of 90 required)</b></p> <p><b>ATI Pharmacology Made Easy 4.0:</b></p> <p><i>1.Musculoskeletal System</i></p> <p><i>2.Respiratory System</i></p> <p><i>3.Gastrointestinal System</i></p> <p><b>ATI: Video Case Studies PN 2.0:</b></p> <p><i>4.Metered Dose Inhalers</i></p> <p><b>Medications:</b></p> <p><i>Fluticasone</i></p> <p><i>Scopolamine</i></p>	<p>Course 1-6 Core A,B,C</p>
3/4/21	Thursday	<b>NO CLASS</b>		

Date/Week	Chapter/Lesson	Content	Assignments	Competency Area
03/11/21	<p>Chapter 13</p> <p>Chapter 20</p> <p>Chapter 21</p>	<p><b>EXAM 7</b></p> <p>Nervous System Medications</p> <p>Reproductive and Urinary System Medications</p> <p>Vitamins, Minerals, Herbs, and Complementary and Alternative Medicine</p> <p><b>Hands On Lab Time</b></p>	<p>Read chapters prior to class.</p> <p><b>ATI ASSIGNMENTS required prior to EXAM 8: (minimal score of 90 required)</b></p> <p><b>ATI Pharmacology Made Easy 3.0:</b></p> <p><i>1.Neurologic System Part 1</i></p> <p><i>2.Neurologic System Part 2</i></p> <p><i>3.Pain and Inflammation</i></p> <p><i>4.Reproductive and Genitourinary System</i></p> <p><b>ATI: Video Case Studies PN 2.0:</b></p> <p><i>5.Polypharmacy</i></p> <p><b>Medications:</b></p> <p><i>Furosemide</i></p> <p><i>Phenytoin</i></p>	<p>Course 1-6 Core A,B,C</p>

Date/Week	Chapter/Lesson	Content	Assignments	Competency Area
03/17/21		<b>EXAM 8</b>  <b>Open lab for practice</b>	<b>ATI ASSIGNMENTS required prior to FINAL EXAM:</b>  <b>ATI Learning System: (<u>minimal score of 70</u>)</b> <i>Pharmacology Practice Assessment A &amp; B.</i>	Course 1-6 Core A,B,C
03/18/21	Practical Nursing Program Skills Book	<b>Cumulative FINAL EXAM over all content covered in the course.</b>  <b>Then...</b>  <b>Final Lab Skill Check Offs</b> <b>Refer to skill check off booklet for individual checkoffs.</b>		

### 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.