



**PNSG 2010 Introduction to Pharmacology and Calculations
COURSE SYLLABUS
Fall Semester 2021**

The syllabus is subject to change. If changes are made, the student will be notified as soon as possible.

COURSE INFORMATION

Credit Hours/Minutes: 2/3000

Campus/Class Location: WebEx; Vidalia Campus Main Building, Tattnall Auditorium; Swainsboro Campus, Building 1 Second floor Auditorium; alternating campuses, see lesson plan for details. Exams will be in computer labs: room number 839, 842, 803 on the Vidalia campus and room number #*** on the Swainsboro campus.

Class Meets: Thursdays from 0900-1600; August 20 – October 21;

calculation reviews: 08/26/21, 09/02/21, 09/09/21 at 1600-1630

calculation exam attempts: 09/14/21, 09/21/21, 09/28/21 at 0800

Course Reference Number (CRN): 20282 – Vidalia Campus; 20287 – Swainsboro Campus

INSTRUCTOR CONTACT INFORMATION

Instructor Name: Sheila Van Dyke, BSN, RN

Email Address: svandyke@southeasterntech.edu

Office Location: Vidalia Campus Gillis Building Office 706

Office Hours: Please email the instructor to schedule a virtual appointment via WebEx.

Monday – Thursday 0730 – 0900 and 1600 – 1700

Phone: 912-538-3105

Fax Number: 912-538-3106

Tutoring Hours: Please schedule an appointment, if needed.

Instructor Name: Megan Guin, BSN, RN

Email Address: mguin@southeasterntech.edu

Office Location: Swainsboro Campus Building 8

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

SOUTHEASTERN TECHNICAL COLLEGE (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, Second Edition, FA Davis, Linnard-Palmer and Coats
7. Assessment Technologies Institute (ATI) web services and books

REQUIRED SUPPLIES & SOFTWARE

Pen, pencil, paper, highlighter, calculator, 3 ring binder, computer access with camera and microphone, internet 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.

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

Note: Although students can use their smart phones and tablets to access their online course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard nor Georgia Virtual Technical Connection (GVTC) provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to take an online course.

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

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 10th. No scores will be rounded (up or down). *For example: exam has 60 questions and each question will be worth 1.66 pts. The student correctly answers 52 questions out of 60. 52 correct answers x 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 (i.e. a 69.9 is a 69.9).

ON CAMPUS TESTING

On exam days, students will report to the assigned computer lab. Students will log onto the computer, open respondus lockdown browser, log onto to blackboard. The password for the exam will be provided to the students by the instructor, then the student may start the exam.

During an examination, students are required to place all textbooks and personal property on the floor in front of the classroom. 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.

If a student shows up late on an exam date or is not prepared to start the exam on time (for example: has laptop issues not related to school network, etc.), the student may not be allowed to take the exam once the faculty has shut the door. The student will have to make up the exam and this will be counted as their opportunity for a make-up exam. After each unit exam, students **must** review missed concepts and rationales allowing for remediation on the missed concepts. While testing in Blackboard, the remediation is provided in a one-time review immediately after the unit exam submission. If for some reason, testing through Blackboard is unavailable, students will review a paper copy of their unit exam in class. After the mandatory remediation review, if a student believes he/she needs further explanation of missed concepts, an appointment should be scheduled with his/her instructor or another faculty member. In addition, if a student believes a test question needs to be challenged, the student must email their instructor the rationale for consideration. This request must be received via email within 24 hours of the examination. No verbal or text message requests will be granted. The test question and rationale will go before a panel of nursing faculty for decision.

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. Drug cards should be placed into the appropriate blackboard dropbox every week. 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.

ATI products will be integrated into each course according to the PN ATI Curriculum Matrix. The syllabi will outline when the student will complete each ATI assignment. Students are expected to complete each ATI assignment with the appropriate time, on time and with an achievement of the set benchmark according to the ATI matrix. The use of these products allows for formative and summative evaluations and assists the faculty in making the necessary changes to the curriculum.

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 WP or WF for all PNSG courses in which they are enrolled and will not be able to progress in the program. If a student misses an attempt due to an absence, the student may forfeit the attempt and may take the next scheduled attempt. An absence on a third attempt may be evaluated on an individual basis. Students must attend at least one pharmacology calculation review session prior to the drug calculation exam attempt. Dates and times of the review sessions are noted on the lesson plan portion of this syllabus. The importance of this is to promote safe medication administration in the clinical setting and reduce medication errors.

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.

COVID-19 MASK REQUIREMENT

Regardless of vaccination status, masks or face coverings must be worn at all times while in a classroom or lab 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 |
| Chills |
| Shortness of breath or difficulty breathing (not attributed to any other health condition) |
| Cough: new or worsening, not attributed to another health condition |
| Fatigue |
| Muscle or body aches |
| Headache |
| New loss of taste or smell |
| Sore throat (not attributed to any other health condition) |
| Congestion or runny nose (not attributed to any other health condition) |
| Nausea or vomiting |
| Diarrhea |
| In the past 14 days, if you: |

COVID-19 Key Symptoms

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, regardless of vaccination status, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using <https://www.southeasterntech.edu/covid-19/>. Report all positive cases of COVID-19 to your instructor and Stephannie Waters, Exposure Control Coordinator, swaters@southeasterntech.edu, 912-538-3195.

LECTURE CLASS MEETINGS (ONLINE):

Due to the increased number of COVID cases in our community, The Department of Nursing may conduct lecture in a virtual format. Our priority is to ensure that everyone remains safe. Lecture class meetings will take place virtually through the use of WebEx. The instructor will send a WebEx invitation to the students STC email address.

1. Students are expected to be present during the entire session with video turned on. Consider this a virtual classroom. Attendance will be taken. All students are to log on 5 minutes prior to starting the session. Students are required to mute audio as not to disrupt the class. The student may type in the chat for specific questions and the instructor will pause at various times to allow for verbal questions.
2. Not all unit content will be covered via virtual classroom lectures. The student will still be expected to review the assigned materials as outlined on course syllabus.
3. Please be mindful that you can be seen by your instructor and your peers. When using a webcam, everyone can see everyone else. Proper attire will be expected.
4. Cell phones should be on silent and no texting or web surfing during class.
5. Classroom/Laboratory Expectations and Participation guidelines apply to virtual lecture. Please see student handbook for details.

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 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.

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

Swainsboro Campus: [Daphne Scott \(dscott@southeasterntech.edu\)](mailto:dscott@southeasterntech.edu) 478-289-2274, Building 1, Room 1210.

SPECIFIC ABSENCES

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

PREGNANCY

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

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

Swainsboro Campus: [Daphne Scott](mailto:dscott@southeasterntech.edu) dscott@southeasterntech.edu 478-289-2274, Building 1, Room 1210.

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

WITHDRAWAL PROCEDURE

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 09/29/21

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:

| | |
|--|--|
| <p>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</p> | <p>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</p> |
| <p>Helen Thomas, Special Needs Specialist</p> | <p>Lanie Jonas, Director of Human Resources</p> |

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|--|---|
| American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer | Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer |
| Vidalia Campus 3001 East 1 st Street, Vidalia Office 165 Phone: 912-538-3126 Email: Helen Thomas hthomas@southeasterntech.edu | Vidalia Campus 3001 East 1 st Street, Vidalia Office 138B Phone: 912-538-3230 Email: Lanie Jonas ljonas@southeasterntech.edu |

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 WP or WF 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
Fall Semester 2022**

| Date/Week | Chapter/ Lesson | Content | Assignments | Competency Area |
|-------------------------------------|--|--|---|--------------------------|
| 08/19/21 ONLINE VIA WEBEX | Read chapters prior to class. Chapter 1 Chapter 2 Chapter 3 | Introduction to class & syllabus review Handouts: <ul style="list-style-type: none"> • Rounding Rules • Conversion Table • Drug calculation practice packet • Reading drug labels, oral dosages, and parenteral dosages • Common Pharmacologic Abbreviations <p style="text-align: center;">History of Pharmacology</p> <p style="text-align: center;">Basics of Pharmacology</p> <p style="text-align: center;">Patient Safety in Medication Administration</p> | Memorize rounding rules and conversion table. Review calculation problems daily. ATI ASSIGNMENTS required prior to EXAM 1: (minimal score of 90 required) ATI Pharmacology Made Easy 4.0: 1. Introduction to Pharmacology ATI: Dosage Calculation and Safe Medication Administration 3.0 2. Safe Dosage 3. Medication Administration ATI Skills Modules 3.0: 4. Concepts of Medication Administration ATI: Video Case Studies PN 2.0: 5. Medication Administration 6. Safe Dosage | Course 1-6 Core A,B,C |

| Date/Week | Chapter/ Lesson | Content | Assignments | Competency Area |
|---|---|---|---|--------------------------|
| 09/02/2021 VIDALIA CAMPUS Tattnall Auditorium | Read chapters prior to class. Chapter 8 Chapter 9 | EXAM 2 Dosage Calculations Enteral Medications and Administration <i>Hands On Lab Time</i> <i>Calculation Review 2 1600-1630</i> | Review calculation problems daily. ATI ASSIGNMENTS required prior to EXAM 3: (minimal score of 90 required) ATI: Dosage Calculation and Safe Medication Administration 3.0 1.Injectable Medications 2.Parenteral (IV) medications ATI Skills Module 3.0 3.Injectable Medication Administration 4.Intravenous Medication Administration 5.IV therapy and peripheral access ATI: Video Case Studies PN 2.0: 6.Look and Sound Alike Medications Medications: 7.Verapamil 8.Warfarin | Course 1-6 Core A,B,C |

| Date/Week | Chapter/ Lesson | Content | Assignments | Competency Area |
|---|---|---|--|--------------------------|
| 09/09/21 SWAINSBORO CAMPUS Building 1 Second Floor Auditorium | Read chapters prior to class. Chapter 10 | EXAM 3 Parenteral Medications and Administration <i>Calculation Review 2: after lunch</i> Hands On Lab Time: Bring an Orange to class <i>Calculation Review 3 (Mock Exam)</i> 1600-1630 | Review calculation problems daily. ATI ASSIGNMENTS required prior to EXAM 4: (minimal score of 90 required) ATI Pharmacology Made Easy 4.0: 1. Infection 2. The Immune System Dosage Calculation and Safe Medication Administration 3.0 3. Medication Administration ATI: Video Case Studies PN 2.0: 4. Medication Interactions Medications: 5. Morphine 6. Ciprofloxacin | Course 1-6 Core A,B,C |

| Date/Week | Chapter/ Lesson | Content | Assignments | Competency Area |
|---|---|--|--|--------------------------|
| 09/30/21 VIDALIA CAMPUS Tattnall Auditorium | Read chapters prior to class. Chapter 12 Chapter 18 Chapter 19 | EXAM 6 Musculoskeletal System Medications Pulmonary System Medications Gastrointestinal System Medications <i>Hands On Lab Time</i> | Review calculation problems daily. ATI ASSIGNMENTS required prior to EXAM 7: (minimal score of 90 required) ATI Pharmacology Made Easy 4.0: 1. Musculoskeletal System 2. Respiratory System 3. Gastrointestinal System ATI: Video Case Studies PN 2.0: 4. Metered Dose Inhalers Medications: 5. Fluticasone 6. Scopolamine | Course 1-6 Core A,B,C |
| 10/07/21 | | NO CLASS. STC CLOSED | | |

| Date/Week | Chapter/ Lesson | Content | Assignments | Competency Area |
|---|---|---|--|--------------------------|
| 10/14/2021 SWAINSBORO CAMPUS Building 1 Second Floor Auditorium | Read chapters prior to class. Chapter 13 Chapter 20 Chapter 21 | EXAM 7 Nervous System Medications Reproductive and Urinary System Medications Vitamins, Minerals, Herbs, and Complementary and Alternative Medicine <i>Hands On Lab Time</i> | Review calculation problems daily. ATI ASSIGNMENTS required prior to EXAM 8: (minimal score of 90 required) ATI Pharmacology Made Easy 4.0: 1.Neurologic System Part 1 2.Neurologic System Part 2 3.Pain and Inflammation 4.Reproductive and Genitourinary System ATI: Video Case Studies PN 2.0: 5.Polypharmacy Medications: 6.Furosemide 7.Phenytoin | Course 1-6 Core A,B,C |
| *WEDNESDAY 10/20/2021 VIDALIA CAMPUS GILLIS BUILDING | | EXAM 8 Open lab for practice | ATI ASSIGNMENTS required prior to FINAL EXAM: ATI Learning System: (minimal score of 70): Practice Assessment: PN Pharmacology Online Practice 2020 A & B. | Course 1-6 Core A,B,C |

| Date/Week | Chapter/ Lesson | Content | Assignments | Competency Area |
|---|--|--|-------------|--------------------|
| 10/21/21 SWAINSBORO CAMPUS BUILDING 8 | Practical Nursing Program Skills Book | Cumulative FINAL EXAM over all content covered in the course. Then... Final Lab Skill Check Offs Refer to skill check off booklet for individual checkoffs. | | |

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.