

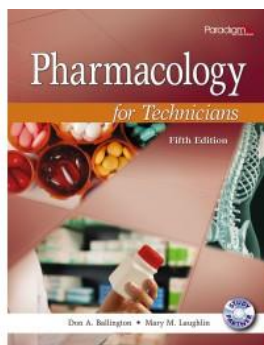


PHAR 1040 Pharmacology COURSE SYLLABUS Fall Semester 2015

Semester: Fall 2015
Course Title: Pharmacology
Course Number: PHAR 1040
Credit Hours/ Minutes: 4/3000
Class Location: Room # 737 — Gillis Building
Class Meets: Mon./Wed. 10:45-12:45
CRN: 20304

Instructor: Matt Brown, CPhT
Office Hours: Mon.—Thurs. 4:00—5:15 PM or By Appointment
Office Location: #722 — Gillis Building
Email Address: mbrown@southeasterntech.edu
Phone: 912-538-3192
Fax Number: 912-538-3106
Tutoring Hours: By Appointment

REQUIRED TEXT: *Pharmacology for Technicians*, 5th Edition, By Ballington and Laughlin, Paradigm Publishing



**** *Pharmacology for Technicians*, 5th Edition Workbook and Pocket Guide are also required ****

REQUIRED SUPPLIES & SOFTWARE: Paper, Pens/Pencils, Folder, and Computer Access

COURSE DESCRIPTION: The course introduces the students to principles and knowledge about all classifications of medication. Topics include: disease states and treatment modalities, pharmaceutical side effects and drug interactions, control substances, specific drugs, and drug addiction and abuse.

MAJOR COURSE COMPETENCIES:

1. Disease States and Treatment Modalities
2. Pharmaceutical Side Effects and Drug Interactions
3. Controlled Substances
4. Specific Drugs
5. Drug Addiction and Abuse

PREREQUISITE(S): All Required
Program Admission

COREQUISITE(S): None

*****Instructor reserves the right to change the syllabus and/or lesson plan as necessary*****

COURSE OUTLINE:**Disease States and Treatment Modalities**

Order	Description	Learning Domain	Level of Learning
1	Define disease states	Cognitive	Knowledge
2	Explain how disease alters body function.	Cognitive	Comprehension
3	Describe modern treatment modalities (e.g., diet/exercise, medication, surgical intervention/radiation).	Cognitive	Knowledge
4	Discuss rationale for drug use.	Cognitive	Comprehension
5	Discuss risk benefit ratios.	Cognitive	Comprehension
6	Describe patient variables, including disease state effects.	Cognitive	Knowledge
7	Discuss systemic administration (e.g., oral, sublingual-buccal, inhalation, rectal, and parenteral.)	Cognitive	Comprehension
8	Discuss local administration to skin and mucous membranes, to ears and eyes, and irrigations.	Cognitive	Comprehension
9	Explain dose-response relationships.	Cognitive	Comprehension
10	Discuss absorption, biotransformation, and excretion.	Cognitive	Comprehension

Pharmaceutical Side Effects and Drug Interactions

Order	Description	Learning Domain	Level of Learning
1	Distinguish between useful and harmful drug interactions, and describe how useful interactions are used in drug therapy.	Cognitive	Analysis
2	Discuss the types of drug interactions, including drug-drug, drug-food, and drug-lab test interactions.	Cognitive	Comprehension
3	Describe the F.D.A. reporting system for adverse drug RXNs, and how to initiate an adverse drug RXN report.	Cognitive	Knowledge
4	Define side effect, adverse drug reaction, and drug interaction.	Cognitive	Knowledge

Controlled Substances

Order	Description	Learning Domain	Level of Learning
1	Define the term controlled substance as described by both State and Federal law.	Cognitive	Knowledge
2	Describe the characteristics that differentiate each controlled substance schedule, I through V.	Cognitive	Knowledge
3	Give at least three examples of drugs in each schedule.	Cognitive	Knowledge
4	Describe the procedures and recordkeeping required by law for handling controlled substances, including any special regulations based on the ordering, receiving, storage, dispensing, and return/destruction.	Cognitive	Knowledge

Specific Drugs

Order	Description	Learning Domain	Level of Learning
1	List the generic name, the usual dose, and the classification/category of drug use for the most commonly prescribed trade name drugs.	Cognitive	Knowledge
2	Differentiate between prescription and nonprescription.	Cognitive	Analysis
3	Know the uses, mechanism of action, and side effects of the following therapeutic classifications and give examples of drugs in each: - Anti-infectives and drugs for the common cold - Narcotic pain relievers and other nervous system drugs - Respiratory, GI, renal, and cardiac drugs - Non-narcotic analgesics, muscle relaxants, hormones, and topicals - Chemotherapy, herbs, and miscellaneous drugs.	Cognitive	Knowledge

Drug Addiction and Abuse

Order	Description	Learning Domain	Level of Learning
1	Define addiction, including differences between physical and psychological addiction.	Cognitive	Knowledge
2	Discuss the characteristics of an "addictive personality."	Cognitive	Comprehension
3	Describe the elements which contribute to the addictive potential of a therapeutic class of medication.	Cognitive	Knowledge
4	Link therapeutic class with the type of addiction (physical or psychological) most common with that class.	Cognitive	Knowledge
5	Describe the actions an addicted person may take to obtain the object of abuse, and what methods this person may use to hide their addiction.	Cognitive	Knowledge
6	Discuss abuse of medical, and non- medical substances, as well as abuse of activities.	Cognitive	Comprehension
7	Describe the treatment modalities used with addiction and substance abuse.	Cognitive	Knowledge

GENERAL EDUCATION CORE COMPETENCIES: STC has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

All students pursuing a degree, a diploma, or a Technical Certificate of Credit with a General Education component will be required to pass the General Education Competency Exams prior to graduation.

STUDENT REQUIREMENTS: Students are expected to complete all exams and daily assignments. Students will also be required to complete hands-on demonstrations needed to function properly in the pharmacy field. Students are responsible for all policies and procedures listed within the student catalog / program handbook.

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.

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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.

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.

For this class, which meets 2 days a week for 15 weeks, the maximum number of days a student may miss is 3 days during the semester.

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 Jan Brantley, Room 1208 Swainsboro Campus, 478-289-2274, or Helen Thomas, Room 108 Vidalia Campus, 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 the Special Needs Office. Swainsboro Campus: Jan Brantley, Room 1208, (478) 289-2274 -- Vidalia Campus: Helen Thomas, Room 108, (912) 538-3126.

WITHDRAWAL PROCEDURE: Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (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 when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

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. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

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

MAKEUP GUIDELINES (Tests, quizzes, homework, projects, etc...): Exams missed for any reason will be made up on the day the student returns to class. A maximum of one exam can be made up. If more than one exam is missed the student will only be allowed to make up the first exam missed and a grade of "0" will be awarded for any other missed exams. Any quizzes missed due to a student absence will not be allowed to be made up.

ACADEMIC DISHONESTY POLICY: The STC Academic Dishonesty Policy states *All forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline.* The policy can also be found in the *STC Catalog and Student Handbook.*

Procedure for Academic Misconduct

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

--First Offense--

Student will be assigned a grade of "0" for the test 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.

--Second Offense--

Student is given a grade of "WF" 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.

--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: Southeastern Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, disabled veteran, veteran of Vietnam Era 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).

GRIEVANCE PROCEDURES: Grievance procedures can be found in the Catalog and Handbook located on STC's website.

ACCESS TO TECHNOLOGY: Students can now access Angel, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the STC website at www.southeasterntech.edu.

GRADING POLICY

Exam Average	40%
Quizzes	10%
Assignments	20%
Drug Project	10%
<u>Final Exam</u>	<u>20%</u>

GRADING SCALE

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

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*

Total Average = 100%

Technical College at no charge for instructional costs to either the student or the employer.

**PHAR 1040
Pharmacology
FALL SEMESTER 2015 LESSON PLAN**

Date	Chapters / Lesson	Content	Assignments & Exams Due	Comp Area
Week 1 (August 17 – August 23)				
8/17		Intro to course / syllabus / books	Read and Review: Chapter 1	
8/19	Chapter 1	Evolution of Medicinal Drugs	Chapter 1: PowerPoint Workbook: Chapter 1 Read and Review: Chapter 2 Workbook: Chapter 2	1—5 A; C
Week 2 (August 24 – August 30)				
8/24	Chapter 2	Basic Concepts of Pharmacology	Workbook: Chapters 1—2 Due Chapter 2: PowerPoint Read and Review: Chapter 3 Workbook: Chapter 3	1—5 A; C
8/26	Chapter 3	Dispensing Medications	Workbook: Chapter 3 Due Quiz Chapter 3: PowerPoint	1—5 A; C
Week 3 (August 31 – September 6)				
8/31	Chapter 1—3 Chapter 4	Unit 1 Exam: Chapters 1—3 Antibiotics	Unit 1 Exam: Chapters 1—3 Chapter 4: PowerPoint Workbook: Chapter 4 Read and Review: Chapter 4	1—5 A; C
9/2	Chapter 5	Therapy for Fungal and Viral Infections	Workbook: Chapter 4 Due Chapter 5: PowerPoint Workbook: Chapter 5 Read and Review: Chapter 5	1—5 A; C
Week 4 (September 7 – September 13)				
9/7		Holiday		
9/9	Chapter 6	Anesthetics and Narcotics	Quiz Chapter 6: PowerPoint Workbook: Chapter 6 Read and Review: Chapter 6 Chapter 6: PowerPoint	1—5 A; C
Week 5 (September 14 – September 20)				
9/14	Chapter 7	Psychiatric and Related Drugs	Quiz Chapter 7: PowerPoint Workbook: Chapter 7 Read and Review: Chapter 7	1—5 A; C

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9/16	Chapter 7	Psychiatric and Related Drugs	Workbook: Chapter 6-7 Due Chapter 7: PowerPoint	1—5 A; C
Week 6 (September 21 – September 27)				
9/21	Chapter 8	Drugs for Central Nervous System Disorders	Quiz Chapter 8: PowerPoint Workbook: Chapter 8 Read and Review: Chapter 8	1—5 A; C
9/23	Chapter 8—9	Drugs for Central Nervous System Disorders Respiratory Drugs	Workbook: Chapter 8 Due Chapter 8—9: PowerPoint Workbook: Chapter 9 Read and Review: Chapter 9	1—5 A; C
Week 7 (September 28 – October 4)				
9/28	Chapter 9	Respiratory Drugs	Workbook: Chapter 9 Due Quiz Chapter 9: PowerPoint	1—5 A; C
9/30	Chapter 4—9	Unit 2 Exam: Chapters 4—9	Unit 2 Exam: Chapters 4—9 Read and Review: Chapter 10	1—5 A; C
Week 8 (October 5 – October 11)				
10/5	Chapter 10	Drugs for Gastrointestinal and Related Diseases	Chapter 10: PowerPoint Workbook: Chapter 10	1—5 A; C
10/7	Chapter 10	Drugs for Gastrointestinal and Related Diseases	Workbook: Chapter 10 Due Quiz Chapter 10: PowerPoint Read and Review: Chapter 11 Workbook: Chapter 11	1—5 A; C
Week 9 (October 12 – October 18)				
10/12	Chapter 11	Renal System Drugs	Workbook: Chapter 11 Due Chapter 11: PowerPoint	1—5 A; C
10/14	Chapter 12	Drugs for Cardiovascular Diseases	Quiz Chapter 12: PowerPoint Workbook: Chapter 12 Read and Review: Chapter 12	1—5 A; C
Week 10 (October 19 – October 25)				
10/19	Chapter 12	Drugs for Cardiovascular Diseases	Workbook: Chapter 12 Due Chapter 12: PowerPoint Read and Review: Chapter 13	1—5 A; C
10/21	Chapter 13	Drugs for Muscle and Joint Disease and Pain	Quiz Chapter 13: PowerPoint Workbook: Chapter 13	1—5 A; C
Week 11 (October 26 – November 1)				
10/26	Chapter 14	Hormonal Disorders and Their Treatment	Quiz Chapter 14: PowerPoint Workbook: Chapter 14 Read and Review: Chapter 14	1—5 A; C

10/28	Chapter 14	Hormonal Disorders and Their Treatment	Workbook: Chapter 14 Due Chapter 14: PowerPoint	1—5 A; C
Week 12 (November 2 – November 8)				
11/2	Chapter 15	Topical, Ophthalmic, and Otic Medications	Quiz Chapter 15: PowerPoint Workbook: Chapter 15 Read and Review: Chapter 15	1—5 A; C
11/4	Chapter 15	Topical, Ophthalmic, and Otic Medications	Workbook: Chapter 15 Due Chapter 15: PowerPoint	1—5 A; C
Week 13 (November 9 – November 15)				
11/9	Chapter 10—15	Unit 3 Exam: Chapters 10—15	Unit 3 Exam: Chapters 10—15 Read and Review: Chapter 16	1—5 A; C
11/11	Chapter 16	Recombinant Drugs and Chemotherapy	Chapter 16: PowerPoint Workbook: Chapter 16	1—5 A; C
Week 14 (November 16 – November 22)				
11/16	Chapter 16—17	Recombinant Drugs and Chemotherapy Vitamins, OTC Supplements, Antidotes, and Miscellaneous Topics	Workbook: Chapter 16 Due Chapter 16—17: PowerPoint Workbook: Chapter 17 Read and Review: Chapter 17	1—5 A; C
11/18	Chapter 17	Vitamins, OTC Supplements, Antidotes, and Miscellaneous Topics	Workbook: Chapter 16 Due Chapter 17: PowerPoint	1—5 A; C
Week 15 (November 23 – November 29)				
11/23	Chapter 16—17	Unit 4 Exam: Chapters 16—17	Unit 4 Exam: Chapters 16—17	1—5 A; C
11/25	Holiday			
Week 16 (November 30 – December 6)				
11/30	Drug Projects	Drug Projects	Drug Projects	1—5 A; C
12/2	Drug Projects	Drug Projects	Drug Projects Review for Final	1—5 A; C
Week 17 (December 7 – December 13)				
12/9	Final	Comprehensive Final Exam	Final Exam	1—5 A; C

5. Drug Addiction and Abuse

*** Competency Areas:**

1. Disease States and Treatment Modalities
2. Pharmaceutical Side Effects and Drug Interactions
3. Controlled Substances
4. Specific Drugs

****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.

*****Instructor reserves the right to change the syllabus and/or lesson plan as necessary*****



Southeastern Technical College Pharmacy Technology Diploma Program

I _____ have read and understand the syllabus for PHAR 1040. I have also been given the opportunity to ask questions to clarify any requirements listed on the syllabi. By signing this agreement I am acknowledging that I fully understand my requirements and grading criteria that I am responsible for. I agree to follow the guidelines and rules listed on the syllabi.

Print Name

Student Signature

Date