



## Syllabus: Pharmacy Calculations

**Course Number:** PHRA 1309

**Semester:** Fall & Spring

### Instructor Information:

**Name:** Patrice Grider, M.Ed., RN, CPhT

**Classroom:** DeKalb High School Rm. 211

**Telephone:** 903-667-2422

**Email:** pat.grider@dekalbisd.net

**Conference:** 10:05 - 11:05 am

**Tutorials:** (Available upon request)

**Course Description:** Pharmaceutical Mathematics prepares students to solve pharmaceutical calculation problems encountered in the preparation and distribution of drugs.

**Student Learning Outcomes:** Upon successful completion, the student will be able to:

1. Solve basic math problems; Demonstrate conversion between various systems of measurement including household, metric, and apothecary.
2. Perform adult and pediatric dosage calculations.
3. Apply calculations frequently needed in a pharmacy technician's work.

### Required Textbook Information:

- The Pharmacy Technician Foundations and Practices 2<sup>nd</sup> ed. by Mike Johnston, CPhT ISBN# 978-0-13-289-7594

**Student Requirements for Completion of the Course:** Students must complete assigned materials with an average of 70% or greater. You will be required to take a comprehensive final exam.

### Grading Scale:

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

**Grading Policy:** There will be a minimum of 12 grades for each grading period. You will have time in class to finish most major assignments. Bonus points will be offered at various times. **Late work will not be accepted.**

**Make-up Policy:** Students are responsible for contacting the instructor to discuss content and makeup work that is missed during an absence. If an exam is missed, the student must make-up the exam within one week of return. Homework that was assigned prior to a student absence should be turned in on the first day back to class. Students have the number of days missed to complete work that was assigned during an absence.

**Class Schedule and Assignments:** \***TUESDAYS & THURSDAYS - 1 hour class periods (An additional minimum of 30 minutes of outside work will be assigned each week.** Assignments, tests, and exams will be assigned by the instructor in class. Homework assignments should be turned in on the class day following the date of assignment or as advised by the instructor. Quizzes may or may not have prior notification, and the student is responsible for staying up to date on reading materials. Students are expected to participate in class discussions, group activities, and presentation activities.

*\*Meets ASHP'S Model Curriculum for Pharmacy Technician Education and Training Programs FOURTH Edition Goals 1,2,3,4,8,9, & 10*

## **COURSE OUTLINE**

Chapter 16 – Basic Math Skills (SLO 1)  
Chapter 17 – Measurement Systems (SLOs 1 and 2)  
Chapter 18 – Dosage Calculations (SLO 3)  
Chapter 19 – Concentrations and Dilutions (SLOs 1, 2, 3, and 4)  
Chapter 20 – Alligations (SLOs 1, 2, 3, and 4)  
Chapter 21 – Parenteral Calculations (SLOs 1, 2, 3, and 4)  
Chapter 22 - Business Math (SLOs 1, 2, 3, and 4)

**Student Behavior Policies and Procedures:** Please refer to the Texarkana College Student Handbook and the Dekalb High School handbook for the full list of rules, policies, and procedures related to student conduct.

**Academic Integrity Statement:** Scholastic dishonesty, involving but not limited to cheating on a test, plagiarism, collusion, or falsification of records will make the student liable for disciplinary action after being investigated by the Dean of Students. Proven violations of this nature will result in the student being dropped from the class with an “F”. This policy applies campus wide, including TC Testing Center, as well as off-campus classroom or lab sites, including dual credit campuses. This information can be found in the Student Handbook at <https://texarkanacollege.edu>.

**Disability Act Statement:** Texarkana College complies with all provisions of the Americans with Disabilities Act and makes reasonable accommodations upon request. Please contact Larry Andrews at 903.823.3283, or go by the Recruitment, Advisement, and Retention Department located in the Administration building for personal assistance.

**Financial Aid: Attention!** Dropping this class may affect your funding in a negative way! You could owe money to the college and/or federal government. Please check with the Financial Aid office before making a decision.

**TC police EMERGENCY line: (903) 798-3330 TC Student Counselor: (903) 823-3143 Suicide Hotline: 1-800-273-8255**

**Student Retention and Support:** A student retention specialist is available for every student enrolled in the Pharmacy Technician Program. Karen Holt will help you with study skills, referral to Student Support Services, resume writing, job interview skills, direction to social support programs, and other services. Mrs. Holt can be contacted at [Karen.holt@TexarkanaCollege.edu](mailto:Karen.holt@TexarkanaCollege.edu) or at 903-823-3551. Her office is located in the Health Occupations building 2<sup>nd</sup> floor office # 351.

**Student Support Services Information:** Student Support Services is a federally funded program designed to give a helping hand to Texarkana College students who show potential for success in college, but who need assistance in their efforts. Students entering the program have a variety of needs encompassing economic, academic, cultural, and handicapped challenges. Student Support services can help you by offering career information, tutoring, study skills, and college transfer information.  
Career Education Center Room 106 Ofc Hrs: M-F 8 am - 5 pm 903-823-3381 2500 N. Robison Road Texarkana, Tx 75501

**Basic Needs Security Statement:** Any student who has difficulty affording groceries or accessing enough food to eat every day, or who lacks a safe and stable place to live and believes this may affect their performance in this course or ability to remain in school, is urged to contact Tonja Blase, Director of Student Retention, at 903.823.3349 for support. Furthermore, please notify the professor if you are comfortable in doing so. This will enable them to provide any resources that they may possess.

**DISCLAIMER:** *TC does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Human Resources Director, 2500 N. Robison Rd., Texarkana, TX, 75599, (903) 823-3456. [human.resources@texarkanacollege.edu](mailto:human.resources@texarkanacollege.edu)*

DeKalb ISD does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the non-discrimination policies: Chief Instructional Officer, Emily Lee, 101 Maple Street DeKalb, TX, 903-667-2566 [emily.lee@dekalbisd.net](mailto:emily.lee@dekalbisd.net)