Advanced Pharm Tech Skills
TEPT1210

Course Description

This course explores technician roles in sterile compounding, diversion, supply chain management, medication history, therapy management and leadership. Course teaches technical skills needed to support career progression. Students will demonstrate skill mastery through case studies, critical thinking exercises and routine skill assessment.

Registration Restrictions: Admission to the pharmacy technician program
Prerequisite(s): TEPT 1110, TEPT 1120, and TEPT 1130

Course Student Learning Outcomes

- Describe the expanding roles, training and skills open to the pharmacy technician.
- Demonstrate interdisciplinary leadership and team management skills in the pharmacy setting.
- Monitor patient medication compliance, education and tracking to assist the pharmacist.
- Demonstrate principles of sterile and hazardous material compounding with vials, ampules, small and large volume parenterals and automated compounding equipment.
- Outline points of a controlled substance diversion and tracking program.
- Demonstrate techniques for receipt, storage, handling, delivery and disposal of hazardous drugs, materials and ingredients.

College Wide Student Learning Outcomes

- Students communicate effectively.
- Students express themselves creatively.
- Students think critically.
- Students develop quantitative literacies necessary for their chosen field of study.
- Students develop civic literacy and the capacity to be community-engaged learners who act in mutually beneficial ways with community partners.
- Students develop the knowledge and skills to work with others in a professional and constructive manner.
- Students develop information literacy.
- Students develop computer literacy.

Course Prerequisites

- Admission to the Pharmacy Technician program at Salt Lake Technical College (SLTech).
- Completion of TEPT 1110 - Introduction to Pharmacy
- Completion of TEPT 1120 - Community Pharmacy Practice
- Completion of TEPT 1130 – Institutional Pharmacy Practice

Transfer/Certification/Licensure/Employment Information

Requirements for Licensure as a Pharmacy Technician in Utah

The pharmacy technician program at SLTech provides the necessary training and externship experiences to prepare students to become licensed as a technician with the Utah Division of Occupational and Professional Licensing (DOPL). Students must pass either the Pharmacy Technician Certification Examination (PTCE) or the Examination for the Certification of Pharmacy Technicians (ExCPT) to obtain a license. A 200-hour externship working in a pharmacy, along with a successful BCI background check, including fingerprinting, are also required for licensure. More information on licensure can be found at the [Utah Department of Professional Licensing website](#).

Job Outlook for Pharmacy Technicians in Utah

There are an average of 440 pharmacy technician openings in Utah every year, and the profession is expected to grow by 2.23% annually according to the [Utah Department of Workforce Services](#). The median hourly wage for an inexperienced pharmacy technician in Utah is $20.09/hr.

Communication Plan

I will respond to Canvas Inbox messages within 24 working hours.
I will offer feedback on assignments within 7 days of the due date.
The best way to contact me is via the Canvas Inbox.

Keys for Success (how to succeed in the course)

Attendance

- Attendance is a non-negotiable requirement for the program, and we're held to specific standards by the Department of Occupational and Professional Licensing (DOPL) and the American Society of Health-System Pharmacists (ASHP). If absenteeism, tardiness, and/or leaving early drops your required didactic/simulated hours below the threshold, you may be required to retake the course. Work and externship hours need to be scheduled outside of class time. If you are sick or have an emergency, please call or send me a message so we can work to excuse the absence and bring you up to speed with the curriculum.

Math

- This course includes advanced pharmacy math. We will work through our calculations step-by-step and a wealth of resources will be made available to you. If you feel stuck, or like a concept just isn't clicking, please reach out to me. We can schedule some one-on-one tutoring, put together a study group, or revisit concepts in class. Understanding how to formulate and solve pharmacy calculations will be essential for passing the PTCE and being successful in practice.

In Class Activities and Labs

- Many of the assigned quizzes, activities and labs will be completed as a group in class. If you are absent during these activities, you will need to complete them as part of your self-study. Note: Lab activities cannot be completed outside of class time.

Self-Study

- Plan on 4-6 hours per week of self-study time. There will be weekly assignments, discussions, quizzes, and/or exams assigned in Canvas. These assignments will be unlocked on Sunday mornings, and due the following Sunday night by midnight. You are allowed and encouraged to use your textbook, notes, and any other academic resources to complete them. However, you are not permitted to work in groups or copy the answers of other classmates.
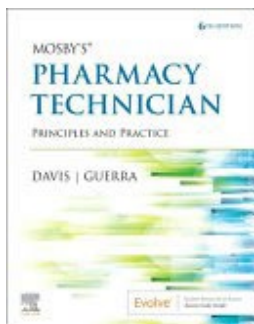
Engagement
- An effective learning experience thrives on student engagement and discourse. Discussions and questions are highly encouraged during class. However, private conversations and cell phone usage are disruptive and distracting. If you need to make a phone call, have a conversation, or have any other urgent need, please step out of the classroom.

Course Content Warnings/Trigger Warnings

This course will cover various anatomical systems and disease-states. Course content, including images, may be uncomfortable for some students. However, a foundational understanding of human anatomy, physiology, and pathophysiology is a key component to understanding pharmacology.

Required Text or Materials

Title: Mosby's Pharmacy Technician
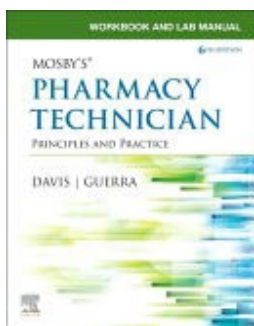**Subtitle:** Principles and Practice
ISBN: 9780323734073
Authors: Elsevier, Karen Davis, AAHCA, BS, CPhT, Anthony Guerra
Publisher: Elsevier
Publication Date: 2021-06-01
Edition: 6th Edition

Title: Workbook and Lab Manual for Mosby's Pharmacy Technician
Subtitle: Principles and Practice
ISBN: 9780323734080
Authors: Elsevier, Karen Davis, Karen Davis, AAHCA, BS, CPhT, Anthony Guerra
Publisher: Elsevier
Publication Date: 2021-06-01
Edition: 6th Edition

For more information on textbook accessibility, contact Accessibility & Disability Services at ads@slcc.edu.

Brief Description of Assignments/Exams

Grades will be weighed as follows:

- Attendance (10%)
- Activities and labs (30%)
- Chapter Quizzes (30%)
- Final Exam (30%)

Assignment Schedule

Week	Assignment Name	Assignment Type
25	**Chapter 12 Aseptic Technique and Sterile Compounding**	
25	Chapter 12 Lab Activities: Identify	Quiz
25	Lab Activity #12.10: Performing a straight draw	Assignment
25	Lab Activity #12.13: Ampule preparation	Assignment
25	Lab Activity #12.12: Reconstituting a powdered vial	Assignment
25	Lab Activity #12.11 Drawing Multiple doses from a Multidose Vial	Assignment
25	**Hazardous Drug Storage and Handling (USP 800)**	
25	Weekly Quiz – Chapter 12 and Hazardous Drugs	Quiz
26	**Chapter 17: Therapeutic Agents for the Nervous System**	
26	Chapter 17 Reinforce Key Concepts	Quiz
26	Chapter 17 System Identifier	Quiz
26	Chapter 17 Matching	Quiz
26	Chapter 17 Generic/Brand Medication Matching	Quiz
26	Chapter 17 Terminology Activity	Quiz
26	Chapter 17 Research Activity	Discussion
26	Chapter 17 System Presentation	Assignment
26	Lab Activity #17.5 Identify Missing Information	Assignment
26	Weekly Quiz – Chapter 17	Quiz
27	**Chapter 28: Therapeutic Agents for the Hematological System**	
27	Chapter 28 Reinforce Key Concepts	Quiz
27	Chapter 28 System Identifier	Quiz
27	Chapter 28 Matching	Quiz
27	Chapter 28 System Presentations	Assignment
27	Chapter 28 Research Activity	Discussion
27	Weekly Quiz – Chapter 28	Quiz
28	**Final Review**	
28	Practice Exam	Quiz
29	**Final Review**	
29	Practice Exam	Quiz
30	**Final Review**	
30	Practice Exam	Quiz
31	**Final Review**	
31	Final Exam	Exam
32	National Exam Supplemental Study	
32	Practice PTCE	Quiz

Grading Scale

A	100% to 94%
A-	<94% to 90%
B+	<90% to 87%
B	<87% to 84%
B-	<84% to 80%
C+	<80% to 77%
C	<77% to 74%
C-	<74% to 70%
D+	<70% to 67%
D	<67% to 64%
D-	<64% to 60%
E	<60% to 0%

Institutional Policies

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

You can access the document by clicking on the following link:
https://slcc.instructure.com/courses/530981/pages/institutional-syllabus

Learning Support and Tutoring Services

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, please visit the Institutional Syllabus under the Tutoring and Learning Support tab:
https://slcc.instructure.com/courses/530981/pages/institutional-syllabus. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

Advising and Counseling Support Services

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, please visit the Institutional Syllabus under the Advising and Counseling Support Services tab: https://slcc.instructure.com/courses/530981/pages/institutional-syllabus. Our advising team and the support centers across campus are here to support

you in achieving your goals and overcoming any obstacles you may face.

Student Academic Calendar

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

SLCC Student Academic Calendar