

Institutional Pharmacy Practice

TEPT 1130

Course Description

This course provides an introduction to institutional pharmacy practice for pharmacy technicians. Students will learn about the roles and responsibilities of pharmacy technicians in institutional settings, including hospitals, clinics, and long-term care facilities. The course covers medication distribution, non-sterile compounding, advanced calculations, and several major anatomical systems.

Prerequisite(s): TEPT 1110 and TEPT 1120

Other Registration Restrictions: Admitted to pharmacy technician program

Course Student Learning Outcomes

- ◆ Practice and adhere to effective infection control procedures.
- ◆ Prepare compounded sterile preparations per applicable, current United States Pharmacopeia chapters.
- ◆ Demonstrate knowledge of anatomy, physiology and pharmacology, and terminology relevant to the pharmacy technician's role.
- ◆ Perform essential duties and functions of a pharmacy technician in an institutional setting.
- ◆ Describe the different methods of drug delivery and administration within institutional settings.
- ◆ Practice patient safety and communication with hospital staff.

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

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 Monday 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.

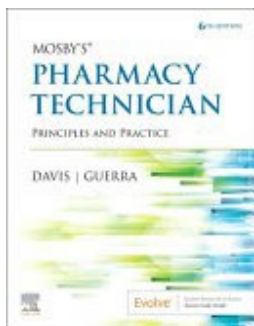
Engagement

- 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

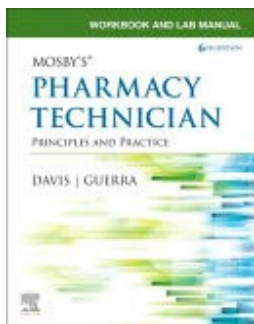
This course will cover various anatomical systems and disease-states. Course content, including images, may be uncomfortable for some students. However, a foundational understanding of human anatomy, physiology, and pathophysiology is a key component to understanding pharmacology.

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
17	Chapter 9: Institutional Pharmacy Practice	
17	Automatic drug dispensing cabinets	Assignment
17	Crash Cart Overview	
17	Hand Hygiene and Garbing for Sterile Compounding	
17	Lab Activity - Inventory Management	Quiz
17	Lab Activity #9.3 – Prepare a Crash Cart	Assignment
17	Lab Activity #9.4 Automated dispensing machine fill	Assignment
17	Lab Activity #9.5 Medication Cart Fill	Quiz
17	Lab Activity #9.5 Medication Cart Fill Practice	Assignment
17	Lab Activity #9.6 Hygiene and Garbing Order	Quiz
17	Weekly Quiz – Chapter 9	Quiz
18	Chapter 24: Therapeutic Agents for the Reproductive System	
18	Chapter 24 Reinforce Key Concepts	Quiz
18	Male Reproductive System Identifier	Quiz
18	Female Reproductive System Identifier	Quiz
18	Chapter 24 Matching	Quiz
18	Chapter 24 System Presentations	Assignment
18	Chapter 24 Research Activity	Discussion
18	Weekly Quiz – Chapter 24	Quiz
19	Chapter 23: Therapeutic Agents for the Renal System	
19	Chapter 23 Reinforce Key Concepts	Quiz
19	Chapter 23 System Identifier	Quiz
19	Chapter 23 Multiple Choice and Matching	Quiz
19	Lab Activity #23.2 – Renal System Drug Table	Quiz
19	Lab Activity #23.3 – Renal System Drug Handling Requirement	Quiz
19	Lab Activity #23.4 – Filling Prescriptions for Renal System Drugs	Quiz
19	Chapter 23 Research Activity	Assignment
19	Chapter 23 System Presentation	Discussion
19	Weekly Quiz - Chapter 23	Quiz
20	Chapter 26: Therapeutic Agents for Eyes, Ears, Nose, and Throat	
20	Chapter 26 Reinforce Key Concepts	Quiz
20	Chapter 26 System Identifier: Eye and Eye Lid	Quiz
20	Chapter 26 System Identifier: Ear	Quiz
20	Chapter 26 Matching	Quiz
20	Lab Activity #26.3 - Interpret Prescription Orders	Quiz
20	Lab Activity #26.4 - Reconstituting an Antibiotic	Quiz
20	Chapter 26 System Presentation	Assignment
20	Weekly Quiz – Chapter 26	Quiz
21	Chapter 27: Therapeutic Agents for the Dermatological System	
21	Chapter 27 Reinforce Key Concepts	Quiz
21	Chapter 27 System Identifier	Quiz
21	Chapter 27 Matching	Quiz
21	Lab Activity #27.1 – Dermatologic System Terms	Quiz
21	Lab Activity #27.3 – Dermatologic Drug Orders	Quiz
21	Chapter 27 System Presentation	Assignment

21	Chapter 27 Research Activity	Discussion
21	Weekly Quiz – Chapter 27	Quiz
22	Chapter 11: Bulk Repackaging and Nonsterile Compounding	
22	Lab Activity #11.1 - Equipment Used in Nonsterile Compounding	Quiz
22	Lab Activity #11.4 - Calibrate a Class A Balance	Assignment
22	Lab Activity #11.5 - Use an Electronic Balance	Assignment
22	Lab Activity #11.6 - Measuring Liquids Using a Graduated Cylinder	Assignment
22	Lab Activity #11.7 - Measuring Liquids Using a Pipette	Assignment
22	Lab Activity #11.8 - Beyond-Use Dates	Quiz
22	Lab Activity #11.9 - Preparing powders	Assignment
22	Lab Activity #11.11 - Reconstituting a powder	Assignment
22	Lab Activity #11.12 - Compounding Simple Syrup	Assignment
22	Lab Activity #11.13 - Compounding an Elixir	Assignment
22	Lab Activity #11.14 - Compounding a Suspension	Assignment
22	Weekly Quiz- Chapter 11	Quiz
23	Lab Activity #11.20 - Repackaging Bulk Medications	Assignment
23	Lab Activity - Cream Lab	Assignment
23	Lab Activity #11.17 Compounding an Ointment	Assignment
23	Lab Activity - Lip Balm Lab	Assignment
24	Final Review	
24	Final Exam	Exam

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%

A minimum grade of 80% (a B-) is required to move forward in the program. Grades lower than a B- will require a retake of the course.

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](#)