

Pharmacology

TEMA1050 301

Course Description

The Pharmacology course familiarizes the student with pharmaceuticals. Instruction includes commonly prescribed medications, trade and generic names, mode of action, side effects, and usual doses. Concepts covered include the proper administration of oral, injectable, and non-injectable medications. There will be a review of the math skills required to perform medical math conversions and dosage calculations.

Semester(s): All

The Pharmacology course familiarizes the student with pharmaceuticals. Instruction includes commonly prescribed medications, trade and generic names, mode of action, side effects, and usual doses. Concepts covered include proper administration of oral, injectable, and noninjectable medications. Medical math conversions and dosage calculations are reviewed.

Course Student Learning Outcomes

- Demonstrate calculation of basic mathematical concepts and units of measurement as related to the ambulatory care setting.
- Describe commonly prescribed medications: uses, names, classifications, and risks.
- List and explain the rights of medication administration.
- Identify and interpret common medication abbreviations.
- Demonstrate the proper handling and administration of prescriptions and medications.

College Wide Student Learning Outcomes

- Acquire substantive knowledge
- Develop quantitative literacies
- Think critically

Communication Plan

Example language:

- Instructors are open and available to help you in the classroom for face-to-face interaction, through college email or Canvas comments and messaging, Zoom, and telephone as posted within the syllabus and the 'Home Page' in Canvas including the 'Communications Statement' (with exception of holidays and campus closures). Feel free to reach out to us!
- I will respond to email within 48 hours. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.
- In this course I will be posting interactive announcements which will offer specific opportunities for class questions and participation in activities

Keys for Success (how to succeed in the course)

Communication:

Instructors are open and available to help you in the classroom for face-to-face interaction, through college email or Canvas comments and messaging, Zoom, and telephone as posted within the syllabus and the 'Home Page' in Canvas including the 'Communications Statement' (with the exception of holidays and campus closures e.g. semester breaks). Feel free to reach out to us!

Clothing/Lab Dress Code:

Scrubs may be worn in the classroom, and are required in the lab area and for externship (some externship facilities have specific requirements eg. U of U Red, Black, or Navy Blue scrubs only). A disposable lab coat may be provided for use over street clothes if scrubs are not worn for lab and clinical skills. Closed-toe shoes are also required in the laboratory/clinical setting areas when practicing skills.

Food and Drinks:

There will be no food or drinks allowed in the computer or lab area of the classroom. A 'Break Room' with a microwave and refrigerator is available for student use.

Cellular Phone Usage:

Cellular phones will be turned to silent mode, or if they do not have a silent option, they will be turned off while in the classroom. Any phone conversation must be made outside the classroom to avoid disrupting others. Phones are not allowed at the testing stations.

Classroom Safety:

An emergency guideline and evacuation route are posted in the classroom. As you progress through the program, you will learn OSHA safety standards in a medical setting. There is a binder with Material Safety Data Sheets located in the classroom to use as a reference for an incident involving hazardous materials. Please be aware of the location of these safety guidelines.

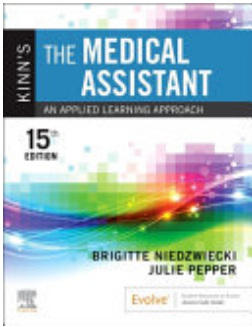
Student Responsibilities:

All students are accountable for the following:

1. Stay engaged and on task (read, watch videos, listen, take notes, ask questions, complete assignments, schedule, and complete skills)
2. Log into the LMS (Canvas - the College's learning management system) for course materials, presentations, and examinations.
3. Follow the instructor's directions AT ALL TIMES.
4. Ask the instructor for assistance after FIRST having attempted to resolve the problem themselves.

5. Complete 12-24 hours of coursework each week for on-time course completion (based on part-time vs full-time enrollment status).

Required Text or Materials



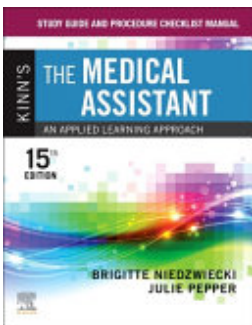
Title: Kinn's the Medical Assistant

ISBN: 9780323871167

Authors: Brigitte Niedzwiecki, Brigitte Niedzwiecki, RN, MSN, RMA, Julie Pepper, Julie Pepper, BS, CMA (AAMA)

Publisher: Elsevier

Edition: 15th Edition



Title: Study Guide and Procedure Checklist Manual for Kinn's the Medical Assistant

ISBN: 9780323874243

Authors: Brigitte Niedzwiecki, Brigitte Niedzwiecki, MSN, RN, RMA, Julie Pepper, Julie Pepper, BS, CMA (AAMA)

Publisher: Elsevier

Publication Date: 2022-12-01

Edition: 15th Edition



Title: SimChart for the Medical Office: Learning the Medical Office Workflow - 2023 Edition

ISBN: 9780443108839

Authors: Elsevier

Publisher: Elsevier

Edition: 2023 Edition or earlier

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

Brief Description of Assignments/Exams

- Module 1-Principles of Pharmacology
- Module 2-Pharmacology Math
- Module 3-Administering Medications
- Module 4-Summative Assessment

Assignment Schedule

Due Date	Assignment Name	Assignment Type	Points
	Kinn's Chapter 29 Practice Quiz	Quiz	10
	Kinn's Chapter 30 Practice Quiz	Quiz	10
	Commonly Prescribed Medications	Quiz	0
	Introduce Yourself	Discussion	0
	Introduce Yourself	Discussion	0
	Kinn's Chapter 28 Practice Quiz	Quiz	10
	Medical Math Practice Sheet	Assignment	10
	Medication Research Assignment	Assignment	60
	Nine Rights of Medication Administration Test	Assignment	10

Due Date	Assignment Name	Assignment Type	Points
	Performance Assessment Preparing a Prescription for Provider	Assignment	100
	Pharmacology Abbreviations Test	Quiz	100.02
	Pharmacology Basics Spelling Test	Quiz	100
	Pharmacology Math Practice Quiz	Quiz	0
	Pharmacology Math Test - Requires Respondus LockDown Browser + Webcam	Quiz	100
	Procedure 28.1 Prepare a Prescription	Assignment	100
	Procedure 29.1 Calculate Proper Dosages of Medication for Administration	Assignment	100
	Procedure 30.1 Administering Oral Medications	Assignment	5
	Procedure 30.10 Administer a Intramuscular Injection using the Z-track Technique	Assignment	5

Due Date	Assignment Name	Assignment Type	Points
	Procedure 30.2 Prepare Medication from an Ampule	Assignment	5
	Procedure 30.4 Prepare Medication from a Vial	Assignment	5
	Procedure 30.5 Reconstituting Powdered Medication	Assignment	10
	Procedure 30.6 Mixing Two Insulins	Assignment	5
	Procedure 30.7 Administer an Intradermal Injection	Assignment	5
	Procedure 30.8 Administer a Subcutaneous Injection	Assignment	5
	Procedure 30.9 Administer a Intramuscular Injection	Assignment	5
	Reading Syringes	Assignment	56
	Reading the Medication Label	Assignment	10
	Summative Objective Assessment 1A - Requires Respondus LockDown Browser + Webcam	Quiz	100

Due Date	Assignment Name	Assignment Type	Points
	Summative Performance Assessment - Administering Medications	Assignment	18

Grading Scale

Percentage	Letter Grade
93-100	A
90-92	A-
86-89	B+
83-85	B
80-82	B-
76-79	C+
73-75	C
70-72	C-
66-69	D+
63-65	D
60-62	D-
59 or below	E

How to Navigate to Canvas

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](#)