

# Pharmacology

TEMA - 1050 301

## Course Description

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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

## Course Student Learning Outcomes

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- 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

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- Acquire substantive knowledge
- Develop quantitative literacies

- Think critically

## Course Prerequisites

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TEMA 1060 Clinical Procedures

## Transfer/Certification/Licensure/Employment Information

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An SLCC Certificate is earned after successfully completing all the courses within the program (the entire training program). This type of certificate provides evidence to employers that a level of competence has been achieved.

Additionally, students take the tests for industry-standard certificates when completing specific courses intended to prepare students for those certificates (e.g., CPR, First Aid, etc.).

A national certification test must be taken before completing the Clinical Medical Assisting program, typically during the externship. Students may complete any of 3 certifications through the AMT, NCCT, or NHA. Please speak with your instructor to learn about the differences and costs associated with each.

## Engagement Plan

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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!

We will respond to email within 24 hours. The best way to contact us is via the Canvas Inbox, as we will prioritize this email over other modes of communication.

In this course we 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). 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.

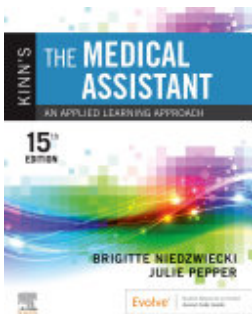
## Student Responsibilities:

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

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**Title:** Kinn's The Medical Assistant

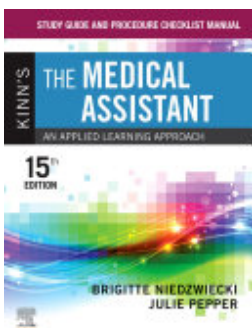
**ISBN:** 9780323871167

**Authors:** Brigitte Niedzwiecki, Julie Pepper

**Publisher:** Elsevier Health Sciences

**Publication Date:** 2022-11-20

**Edition:** 15th



**Title:** Study Guide and Procedure Checklist Manual for Kinn's  
The Clinical Medical Assistant

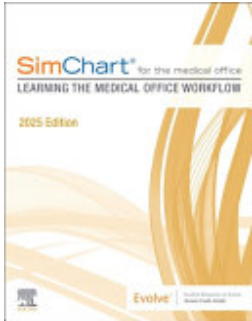
**ISBN:** 9780323874243

**Authors:** Brigitte Niedzwiecki, Julie Pepper

**Publisher:** Elsevier Health Sciences

**Publication Date:** 2022-09-06

**Edition:** 15th



**Title:** Simchart for the Medical Office: Learning the Medical Office Workflow

**ISBN:** 9780443348839

**Authors:** Elsevier Inc

**Publisher:** Elsevier

**Publication Date:** 2024-12-02

**Edition:** 2025 or earlier edition is acceptable

For more information on textbook accessibility, contact Accessibility & Disability Services at [ads@slcc.edu](mailto:ads@slcc.edu).

## Additional Materials

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### **Clothing Requirements (in addition to SLCC Student policies):**

- Closed toe shoes.
- Scrubs

### **Optional Equipment for Skills/Externship:**

- Watch with second hand.
- Stethoscope
- Blood Pressure Cuff / Sphygmomanometer

## Brief Description of Assignments/Exams

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

## Assignment Schedule

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Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Kinn's Chapter 29 Practice Quiz</a>	Quiz	10
	<a href="#">Kinn's Chapter 30 Practice Quiz</a>	Quiz	10
	<a href="#">Commonly Prescribed Medications</a>	Quiz	0
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Kinn's Chapter 28 Practice Quiz</a>	Quiz	10
	<a href="#">Medical Math Practice Sheet</a>	Assignment	100
	<a href="#">Medication Research Assignment</a>	Assignment	60
	<a href="#">Nine Rights of Medication Administration Test</a>	Assignment	100
	<a href="#">Performance Assessment Preparing a Prescription for Provider</a>	Assignment	100
	<a href="#">Pharmacology Abbreviations Test- Requires Respondus LockDown Browser</a>	Quiz	100.02

Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Pharmacology Basics Spelling Test</a>	Quiz	100
	<a href="#">Pharmacology Math Practice Quiz</a>	Quiz	0
	<a href="#">Pharmacology Math Test- Requires Respondus LockDown Browser</a>	Quiz	100
	<a href="#">Procedure 28.1 Prepare a Prescription</a>	Assignment	100
	<a href="#">Procedure 29.1 Calculate Proper Dosages of Medication for Administration</a>	Assignment	100
	<a href="#">Procedure 30.1 Administering Oral Medications</a>	Assignment	100
	<a href="#">Procedure 30.10 Administer a Intramuscular Injection using the Z-track Technique</a>	Assignment	100
	<a href="#">Procedure 30.2 Prepare Medication from an Ampule</a>	Assignment	100
	<a href="#">Procedure 30.4 Prepare Medication from a Vial</a>	Assignment	100

Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Procedure 30.5 Reconstituting Powdered Medication</a>	Assignment	100
	<a href="#">Procedure 30.6 Mixing Two Insulins</a>	Assignment	100
	<a href="#">Procedure 30.7 Administer an Intradermal Injection</a>	Assignment	100
	<a href="#">Procedure 30.8 Administer a Subcutaneous Injection</a>	Assignment	100
	<a href="#">Procedure 30.9 Administer a Intramuscular Injection</a>	Assignment	100
	<a href="#">Reading Syringes</a>	Assignment	56
	<a href="#">Reading the Medication Label</a>	Assignment	20
	<a href="#">Summative Objective Assessment 1A- Requires Respondus LockDown Browser</a>	Quiz	100
	<a href="#">Summative Performance Assessment - Administering Medications</a>	Assignment	18



## Grading Scale

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### **SLTC Grading System**

A = 100-90% → Excellent / Mastery

**Consistently exceeds expectations, very few errors.**

B = 89-78% → Satisfactory / Competent

**Meets expectations; minor errors but overall skill is demonstrated.**

E = Below 78% → Emerging / Needs Improvement

**Does not yet meet expectations; needs more practice before reassessment**

Mastery of competency in this competency-based program is demonstrated when you successfully complete the learning objectives and competencies within the coursework as defined. All components of the course must be mastered before moving forward. It is expected that each course be completed within the published course hours. At the end of your coursework, you will be rated according to the grading scale noted above based on your demonstrated ability of the course's established competencies. Additionally, you can earn credit for a course through Curriculum Exceptions or Credit for Prior Learning (CPL) by showing proof of previously completed course work.

## Academic Integrity

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PLAGIARISM: Students are expected to reference all sources of information. Any plagiarism will result

in failure of the assignment and possible failure of the course. The information must not be copied from

other student's work, textbook or internet sources.

Please refer to the SLCC Intuitional Syllabus for additional college information

## How to Navigate to Canvas

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## Institutional Policies

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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.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

## Learning Support and Tutoring Services

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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, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. 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

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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, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. 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

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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](#)