3/28/2025   DATE

☑ REQUIRED COURSE
☐ ELECTIVE COURSE

AHD   DIVISION

☐ NEW COURSE
☑ REVISION

Lake Land College
Course Information Form

COURSE NUMBER:	MAP-084		TITLE: *(30 Characters Max)*		Med Assist Pharmacology			
SEM CR HRS:	3.0	Lecture:	2.0		Lab:	2.0	ICCB Lab: 2.0	ECH: 4.0

Course Level:	☐ Gen Ed / IAI ☐ Baccalaureate /Non-IAI	☑ Career/Technical ☐ Dev Ed/ Not in Degree Audit	Clinical Practicum: 0.0	Work-based Learning: 0.0	WBL ECH: 0.0

Course PCS & CIP:	12 - 51.0801	IAI Code:	N/A	Contact Hours (Minutes/Week)

Repeatable (Y/N):	N	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	N	Min:	Max:	16 Wks	200	8 Wks	400

Prerequisites:	Admission into NDP.MAP. Sarah Bush Employees only.
Corequisites:	None
Catalog Description: (40 Word Limit)	This course introduces concepts and applications of pharmacological principles, focusing on drug classifications, principles and procedures of medication administration, calculation of drug problems and medicolegal responsibilities of the medical assistant.

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Principles of pharmacology	2	2		
Pharmacology math	8	2		
Medication administration essentials	8	24		
Pharmacology	12	2		
TOTAL	30	30	0	0

EVALUATION

QUIZZES ☑	EXAMS ☑	ORAL PRES ☐	PAPERS ☑
LAB WORK ☑	PROJECTS ☑	COMP FINAL ☑	OTHER ☑

COURSE MATERIALS

TITLE:	Medical Assisting Administrative and Clinical Competencies
AUTHOR:	Michelle Blessi
PUBLISHER:	Cengage
VOLUME/EDITION/URL:	13th edition
COPYRIGHT DATE:	2017

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Principles of pharmacology	4	1. Discuss government regulations. 2. Discuss substance abuse. 3. Describe rules and responsibilities regarding medication administration. 4. Identify parts of a prescription. 5. Utilize drug resource guide for medication information: drug classification, usual dose, side effects and contraindications. 6. Identify appropriate abbreviations in prescription writing. 7. Discuss differences between adverse reaction and allergic reaction.
Pharmacology math	10	1. Convert metric and household system of measurement. 2. Calculate pediatric dosages by body weight. 3. Identify parts of the drug label.

Medication administration essentials	32	1. Discuss safety in drug administration 2. Discuss drug forms and administration. 3. Administer non-parenteral medications: prepare/administer oral medications, prepare/administer intradermal injections, prepare/administer subcutaneous medications and prepare/administer transdermal medications. 4. Distinguish between various parenteral equipment and supplies. 5. Demonstrate proper technique of parenteral medications.
Pharmacology	14	1. Discuss herbal and alternative therapies. 2. Identify drug classifications, usual dosages, side effects and contraindications of commonly prescribed drugs. 3. Identify top 100 brand and generic drug names and their purposes.
	60	

Outcomes*	Outcome Title	At the successful completion of this course, students will be able to:
Course Outcome 1	Administer Meds	Administer medications safely and accurately within the role of the medical assistant using a variety of routes as prescribed.
Course Outcome 2	Drug Dosages	Demonstrate accurate calculation of drug dosages and conversions for proper medication administration.
Course Outcome 3	Drug Regs Standards	Discuss all levels of drug regulations and standards.
Course Outcome 4	Med Classif Effect	Identify the classifications of medications including desired effects, side effects, and adverse reactions.
Course Outcome 5	Prescr Sym Abbrev	Interpret prescriptions, medical symbols and abbreviations.
Course Outcome 6	Legal Aspects Meds	Comply with legal aspects of medication administration and prescriptions including federal and state laws.
Course Outcome 7	Med Interactions	Discuss the interactions between nonprescription, herbal and prescription medications.
Primary Laker Learning Competency		Critical Thinking: Students connect knowledge from various disciplines to formulate logical conclusions.
Secondary Laker Learning Competency		Creative Thinking & Problem Solving: Students think creatively to solve problems.

Course and program outcomes will be used in the software for outcomes assessment and should include at least 1 primary and 1 secondary Laker Learning Competency. Limit to 3-5.