

12/1/2022 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	Lecture:	2		Lab:	2			ECH:	4	
Course Level:	<input type="checkbox"/> Gen Ed / IAI <input type="checkbox"/> Baccalaureate /Non-IAI		<input checked="" type="checkbox"/> Career/Technical <input type="checkbox"/> Dev Ed/ Not in Degree Audit		Clinical Practicum:	0	SOE/ Internship:	0	SOE ECH:	0	
COURSE PCS #	12 - 51.0801		IAI Code				Contact Hours Per 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.										
Catalog Description: (40 Word Limit)	This course introduces concepts and applications of pharmacological principles, and focuses 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	Non-Clinical Internship/ SOE
Principles of Pharmacology	2	2		
Pharmacology Math	8	2		
Medication Administration essentials	8	24		
Pharmacology	12	2		
TOTAL	30	30	0	0

EVALUATION

QUIZZES <input checked="" type="checkbox"/>	EXAMS <input checked="" type="checkbox"/>	ORAL PRES <input type="checkbox"/>	PAPERS <input checked="" type="checkbox"/>
LAB WORK <input checked="" type="checkbox"/>	PROJECTS <input checked="" type="checkbox"/>	COMP FINAL <input checked="" type="checkbox"/>	OTHER <input checked="" type="checkbox"/>

COURSE MATERIALS

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

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
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. a. Drug classification b. Usual dose c. Side effects d. 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	<ol style="list-style-type: none"> 1. Discuss safety in drug administration 2. Discuss drug forms and administration. 3. Administer non-parenteral medications. <ol style="list-style-type: none"> a. prepare/administer oral medications b. prepare/administer intradermal injections. c. prepare/administer subcutaneous medications. d. prepare/administer transdermal medications. 4. Distinguish between various parenteral equipment and supplies. 5. Demonstrate proper technique of parenteral medications.
Pharmacology	14	<ol style="list-style-type: none"> 1. Discuss herbal and alternative therapies. 2. Identify drug names and categories. 3. Identify drug classifications, usual dosages, side effects and contraindications of commonly prescribed drugs.
60		

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	Administer medications safely and accurately within the role of the medical assistant using a variety of routes as prescribed.
	Demonstrate accurate calculation of drug dosages and conversions for proper medication administration.
	Discuss and comply with all levels of drug regulations and standards.
	Identify the classifications of medications including desired effects, side effects, and adverse reactions.
	Interpret prescriptions, medical symbols, and abbreviations.
	Comply with legal aspects of medication administration and prescriptions including federal and state laws.
	Discuss the interactions between nonprescription, herbal and prescription medications.

* Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.