

10/1/2022 DATE

 REQUIRED COURSE
 ELECTIVE COURSE

 Allied Health DIVISION
 NEW COURSE
 REVISION

Lake Land College

Course Information Form

COURSE NUMBER:		PTA-086		TITLE: (30 Characters Max)			Neurology for the PTA														
SEM CR HRS:		2		Lecture:		2		Lab:		0		ECH:		2							
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 #		12.510806		IAI Code						Contact Hours (Minutes Per Week)											
Repeatable (Y/N):		N		Pass/Fail (Y/N):		N		Variable Credit (Y/N):		Min:		Max:		16 Wks		100		8 wks		200	
Prerequisites:		PTA-082																			
Catalog Description: (40 Word Limit)		This course will focus on the specific neuroscience concepts and principles that support rehabilitation therapy.																			

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Non-Clinical Internship/ SOE
Brain Function & Disorders	5	0		
Cranial Nerves	4	0		
Vestibular Function & Dysfunction	4	0		
Peripheral Nerve System Function & Injury	4	0		
Spinal Cord Tracts and Disorders	5	0		
Motor and Sensory Function & Dysfunction	4	0		
Blood Supply & Occlusion of the Brain	4	0		
TOTAL	30	0	0	0

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

COURSE MATERIALS	
TITLE:	Quick Reference Neuroscience for Rehabilitation Professionals
AUTHOR:	Sharon Gutman
PUBLISHER:	Slack
VOLUME/EDITION/URL:	3rd
COPYRIGHT DATE:	2017

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
<i>The student will be able to:</i>		
Brain Function & Disorders	5	Differentiate between the lobes of the brain and their disorders.
Cranial Nerve	4	Identify the cranial nerve functions and symptoms.
Vestibular Function and Dysfunction	4	Understand the function of the vestibular system and its dysfunction.
Peripheral Nerve System Function and Injury	4	Understand a peripheral nerve injury and the regeneration process. Identify the dermatome distribution.

Spinal Cord Tracts and Disorders	5	Discuss what is carried on the ascending and descending tracts. Identify where the tracts originate and end. Discuss tract lesions.
Motor and Sensory Function & Dysfunction	4	Describe the function and the roles the cerebral cortex, cerebellum & basal ganglia.
Blood Supply & Occlusion of the Brain	4	Identify the major arteries and the common areas of arterial occlusion in the cortex.
	30	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	Understand the function of the central and peripheral nerves system.
	Discuss different injuries to the nervous system related to different parts of the nervous system.
	Identify the role of nervous system related to different injuries.

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