	9/23/2022	DATE	
✓		REQUIRED COURSE	
		ELECTIVE COURSE	

Business	DIVISION
	NEW COURSE
[7]	REVISION

Lake Land College Course Information Form

COURSE NUMBER:		ITT-074			TITLE: (30 Characters	Max)		Web S	ystems I					
SEM CR HRS:	3	Lectur	e:		3			Lab:	0				ECH:	3
Course Level:	_	Gen Ed / IAI Baccalaureate /Non-IAI			echnical Not in Degree Audit	Clinic	cal Practi	icum:	0	S Interns	OE/ hip:	0	SOE ECH:	0
COURSE PCS #		12			IAI Code						Co	ontact Hour	s Per Week	
Repeatable (Y/N):	Υ	Pass/Fail (Y/N	:	Ν	Variable Credit (Y/N):	Z	Min:		Max:	16 V	Vks	150	8 wks	300
Prerequisites:		ITT-070												
Catalog Description: (40 W Limit)	ord/	A high level overview of stack and how they work			n development. Course con	centrat	es on the	integr	ation of	multiple tec	hnolo	gies in the	e web app	lication

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Non-Clinical Internship/ SOE
HTML and CSS	6			
Version Control	4			
HTTP	4			
Web Servers	4			
Back-end vs. Front-end	6			
Templating Systems	4			
Database and SQL	6			
Cookies	3			
Model-View-Controller Design	8			
TOTAL	45	0	0	0

		EVALUTION		
QUIZZES 🗹	EXAMS ☑	ORAL PRES		PAPERS □
LAB WORK 🖸	PROJECTS ☑	COMP FINAL	√	OTHER

COURSE MATERIALS				
TITLE:	Web Programming and Internet Technologies (ISBN: 978-12840	070682)		
AUTHOR:	Scobey and Lingras			
PUBLISHER:	Jones & Bartlett Learning			
VOLUME/EDITION/URL:	2nd			
COPYRIGHT DATE:	2018			

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES		
		The student will be able to:		
HTML and CSS	6	Explain HTML elements and their proper use. Describe CSS uses and properties. Create web app structures and user interfaces.		
Version Control	4	Identify version control software and the options available. Implement a git project and proper settings.		
НТТР	4	Distinguish various web protocols and their rules. Explain uses and limitations of HTTP.		
Web Servers	4	Explain user authentication. Describe common web server settings.		
Back-end vs. front-end	6	Create user interfaces with validation. Identify the scope of web languages and security risks. Implement a full-stack web application.		

Templating Systems	4	Distinguish classes and ID's. Explain proper template implementation.
Database and SQL	6	Describe queries and structured query language syntax. Implement a relational database. Identify entities and relationships in a database.
Cookies	3	Differentiate the function of internet protocols for identifying users. Explain the security risk of cookies.
Model-View-Controller design	8	Define the MVC model. Create applications utilizing MVC. Implement a live web based application. Explain the benefits of MVC as a design.
Insert New Line Above this Line		
	45	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:				
	Describe the front and back-end development process of creating a web application.				
	Demonstrate how to combine a server, database, and user interface to create a web application.				
	Design, create, and implement a web application.				

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