	9/23/2022	DATE
<b>✓</b>		REQUIRED COURSE
П		FLECTIVE COLIDSE

Business	DIVISION
	NEW COURSE
[7]	REVISION

## Lake Land College Course Information Form

COURSE NUMBER:		TT-075 TITLE: (30 Characters Max) Web Syste			iystems I	ems II								
SEM CR HRS:	3	Lecture:			3			Lab:	0				ECH:	3
Course Level:		Gen Ed / IAI Baccalaureate /Non-IAI			r/Technical d/ Not in Degree Audit  Clinical Practicum:		0	Inte	SOE/ ernship:	$\cap$	SOE ECH:	0		
COURSE PCS #		12			IAI Code						(	Contact Hou	rs Per Week	
Repeatable (Y/N):	Υ	Pass/Fail (Y/N):		Ν	Variable Credit (Y/N):	Ν	Min:		Max:		16 Wks	150	8 wks	300
Prerequisites:		ITT-074												
Catalog Description: (40 W Limit)		The application of JavaScri dynamic and interactive.	pt to the	e con	cepts and techniques taugh	t in We	eb Systen	ns I. Sti	udents v	vill creat	te web a	oplications	that are b	ooth

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Non-Clinical Internship/ SOE
JavaScript	10			
Higher-order Functions	4			
Document Object Model	4			
Client-side Validation	4			
jQuery	6			
AJAX	6			
Browser Developer Tools	5			
Bootstrap	6			
TOTAL	45	0	0	0

		EVALUTION		
QUIZZES 🗸	EXAMS 🗹	ORAL PRES		PAPERS □
LAB WORK ☑	PROJECTS ☑	COMP FINAL	7	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:
JavaScript	10	Define JavaScript syntax.     Implement functions and methods.     Develop code using proper object implementation.     Create arrays and data storage objects.     Define operators, arguments, and parameters.
Higher-order functions	4	Describe how to implement nested functions.     Explain the added capabilities of passing functions as arguments.
Document object model	4	Create functions and methods to manipulate the DOM.     Define the classes and objects included in the DOM.
Client-side validation	4	Implement methods and functions to verify user provided data.     Distinguish between different data types and their limitations.

jQuery	6	Describe JavaScript libraries.     Create interactive user interfaces.     Describe the benefits of selectors.
AJAX	6	Implement dynamic applications.     Differentiate synchronous and asynchronous protocols.     Identify best practices for handling user data.
Browser Developer Tools	5	I. Identify available resources.     Create fully-featured applications with pre-built tools.     Explain the benefits and limitations of relying on developer tools.
Bootstrap	6	Define liquid and dynamic design.     Distinguish mobile and standard design.     Implement a mobile web application.
Insert New Line Above this Line		
	45	

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:				
	Describe advanced user interface development.				
	Demonstrate how to efficiently design on the front-end using tools and templates.				
	Create more fully featured user interfaces using industry approved tools.				

<sup>\*</sup> Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.