

CIST 1520 - Scripting Technologies (version 201003L)

Course Title Course Development Learning Support

Scripting Technologies Standard No

Course Description

Students learn how to use the features and structure of a client side scripting language, explore the features on server side scripting and develop professional web applications that include special effects, interactive, dynamic, validated, and secure forms.

Pre-requisites

Pre-requisites: All Required

CIST 1510 - Web Development I (201003L)

Co-requisites

Co-requisites: None

Course Length

	Minutes	Contact Hour	Semester Credit	WLU
Lecture:	1500	30		
Lab 2:	1500	30		
Lab 3:	0	0		
Total:	3000	60	3	
Semester Credit Hours:			3	105
Breakout Detail of Lab 3				
Practicum/Internship	0	0		
Clinical	0	0		

Competencies & Outcomes

Order	Description	Lecture	Lab 2	Lab 3	Total Min	Credit Hrs	Pract Intern	Clinical
1	Scripting Languages	100	100	0	200	0	0	0
Order	Description						Learning Domain	Level of Learning
1	Compare and Contrast Java and JavaScript.						Cognitive	Evaluation
2	Compare and Contrast Server-side applications vs. Client-side applications.						Cognitive	Evaluation
3	Develop scripting elements and writing output to a web document.						Cognitive	Application
4	Produce professional code with comments and debugging tools and techniques.						Psychomotor	Set
2	Develop Web Pages using Variables, Expressions and Operators	300	300	0	600	1	0	0
Order	Description						Learning Domain	Level of Learning
1	Utilize variables						Cognitive	Application

	2	Examine onEvent processing and event handlers					Cognitive	Analysis
	3	Examine expressions and operators.					Cognitive	Analysis
	4	Develop web pages with date/time methods, math methods, and conditional operators.					Psychomotor	Guided Response
3	Develop Web Pages with Arrays, Loops, and Conditional Statements	300	300	0	600	1	0	0
	Order	Description					Learning Domain	Level of Learning
	1	Examine creating, populating, and sorting arrays.					Cognitive	Analysis
	2	Utilize the calendar function.					Cognitive	Application
	3	Examine The For and While loops.					Cognitive	Analysis
	4	Examine the switch statement.					Cognitive	Analysis
	5	Examine the Break Command and Continue Command.					Cognitive	Analysis
	6	Develop web pages with links, dates, timed commands, and calculations.					Psychomotor	Guided Response
4	Develop Web Pages with Special Effects Including Menus, Images, and Image Maps	300	300	0	600	1	0	0
	Order	Description					Learning Domain	Level of Learning
	1	Utilize image objects, image rollovers, and image maps.					Cognitive	Application
	2	Examine object animation.					Cognitive	Analysis
	3	Examine pop-up menus, pull-down menus, sliding and table menus and menu functions.					Cognitive	Analysis
	4	Examine filters and transitions.					Cognitive	Analysis
	5	Develop professional and interesting web pages with special effects.					Psychomotor	Guided Response
5	Develop Web Pages using Interactive Forms	300	300	0	600	1	0	0
	Order	Description					Learning Domain	Level of Learning
	1	Examine Input files, Selection Lists, Option Buttons and Checkboxes.					Cognitive	Analysis
	2	Implement calculated fields.					Cognitive	Application
	3	Examine Form Validation.					Cognitive	Analysis
	4	Develop web pages with interactive forms using validation.					Psychomotor	Guided Response
6	Develop Web Pages using Cookies and Passwords to Maintain	200	200	0	400	0	0	0

Security

Order	Description	Learning Domain	Level of Learning
1	Examine cookie properties and values.	Cognitive	Analysis
2	Develop web pages with personalized greetings and feedback using cookies.	Psychomotor	Guided Response

Competency Totals:	Lecture 1500	Lab 2 1500	Lab 3 0	Total Min 3000	Cred Hrs 3	Pract Intern 0	Clinical 0
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