

CIST 2510 - Web Technologies (version 201003L)

Course Title Course Development Learning Support

Web Technologies Standard No

Course Description

In Web Technologies, students will investigate one or more software packages that help automate Web content creation. Students will explore and utilize various features of software packages such as CSS, multimedia incorporation, scripting technologies, form creation, search functionality, advanced image techniques and database connectivity.

Pre-requisites

Pre-requisites: All Required

Program Admission

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	Basic Web Page Development	400	400	0	800	0	0	0
Order	Description						Learning Domain	Level of Learning
1	Plan and define a Web site, understand and manipulate site layout and incorporate page structuring, content and formatting using Cascading Style Sheets.						Psychomotor	Guided Response
2	Utilize Advanced Image Techniques, Incorporate Audio and Video	200	200	0	400	0	0	0
Order	Description						Learning Domain	Level of Learning
1	Understand, assess and incorporate image file formats and image optimization, utilize drawing tools such as shape tools, pen tools, paint bucket and gradient, and understand, assess and incorporate Audio and Video file formats; explore progressive downloading and streaming.						Psychomotor	Guided Response

3 **Dynamic Web Page Development** 500 500 0 1000 0 0 0

Order	Description	Learning Domain	Level of Learning
1	Construct a Web site with database connectivity, implement client-side and server side scripting technologies and add and modify dynamic data.	Psychomotor	Guided Response

4 **Web 2.0 Technologies** 100 100 0 200 0 0 0

Order	Description	Learning Domain	Level of Learning
1	Demonstrate ability to use widgets to interface with social networking sites and define Web 2.0.	Psychomotor	Guided Response

5 **Publish and Manage a Web Site** 300 300 0 600 1 0 0

Order	Description	Learning Domain	Level of Learning
1	Demonstrate ability to publish a Web site and test, evaluate and administer a site.	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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