

CIST 2510 - Web Technologies (version 201003L)

Standard Institutionally Developed College: N/A

EDGE Compatible: No

Pre-requisites: All Required

Program Admission

Co-requisites: None

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.

Course Length

	Minutes	Contact Hour	Semester Credit
Lecture:	1500	30	
Lab 2:	1500	30	
Lab 3:	0	0	
Practicum/Internship:	0	0	
Clinical:	0	0	
Total:	3000	60	3

Semester Credit Hours: 3

Competencies

Order	Description	Lecture	Lab2	Lab3	Practicum/ Internship	Clinical	Total Minutes	Semester Credit Hrs
1	Basic Web Page Development	400	400	0	0	0	800	
2	Utilize Advanced Image Techniques, Incorporate Audio and Video	200	200	0	0	0	400	
3	Dynamic Web Page Development	500	500	0	0	0	1000	

4	Web 2.0 Technologies	100	100	0	0	0	200	
5	Publish and Manage a Web Site	300	300	0	0	0	600	
Totals for Course CIST 2510 - Web Technologies (version 201003L):		1500	1500	0	0	0	3000	3

Learning Outcomes

Basic Web Page Development								
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	
Utilize Advanced Image Techniques, Incorporate Audio and Video								
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	
Dynamic Web Page Development								
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	
Web 2.0 Technologies								
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	
Publish and Manage a Web Site								
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	

References

Order	Reference Type	Description

1	Book with Author(s) Listed	Lowery, Joseph W.. (2009). Dreamweaver CS4 Professional Bible. (1st). New York: Wiley.
2	Book with Author(s) Listed	Axzo Press. (2009). Dreamweaver CS4: Advanced, ACE Edition + CertBlaster, Student Manual with Data.. (1st). New York: Axzo Press.