

Web Technologies - Program Learning Outcomes

	Program Learning Outcomes	Student Learning Outcomes	Measure of Assessment and Criteria for Success
1.	Students will demonstrate the ability to design web sites utilizing multiple tools and techniques.	<ul style="list-style-type: none"> • Students will demonstrate the ability to create web pages using Macromedia Dreamweaver. • Students will demonstrate the ability to create images for web pages using Macromedia Fireworks. • Students will demonstrate the ability to integrate multimedia into web pages using Macromedia Flash. 	<ul style="list-style-type: none"> • 80% of students will score 80% or higher in their Web Development Tools course • 80% of students will score 80% or higher in their Web Graphics course • 80% of students will score 80% or higher in their Internet Multimedia course
2.	Students will demonstrate the ability to create dynamic websites that are easy to navigate and easy to update.	<ul style="list-style-type: none"> • Students will demonstrate the ability to modify, add, and delete data in a database through a web page. • Students will recognize the proper way of structuring a fully functional website. • Students will utilize their design skills to create a professional website. 	<ul style="list-style-type: none"> • 80% of students will score 80% or higher in their PHP Programming course • 80% of students will score 80% or higher in their Web Design course
3.	Students will be able to utilize entry-level system analysis and design principles to solve business problems.	<ul style="list-style-type: none"> • Students will be able to describe all of the stages of the SDLC – Systems Development Life Cycle • Students will demonstrate the requirements for data & process modeling. • Students will be able to evaluate development strategies • Students will be able to discuss system architecture, implementation, operation, support and security. 	<ul style="list-style-type: none"> • 80% of students will score 80% or higher in their Systems Analysis and Design course
4.	Students will demonstrate the ability to apply testing, debugging, and troubleshooting skills.	<ul style="list-style-type: none"> • Students will demonstrate the ability to test web pages on different browsers. • Students will demonstrate the ability to identify and correct syntax and logic errors. 	<ul style="list-style-type: none"> • 80% of students will score 80% or higher in their Programming and Logic course
5.	Students will exhibit the ability to design and implement an Internet database.	<ul style="list-style-type: none"> • Students will demonstrate their understanding of the SQL Language. • Students will have an understanding of Client/Server databases. 	<ul style="list-style-type: none"> • 80% of students will score 80% or higher in their Database Driven Websites course