ACADEMIC AFFAIRS

Course Number: <u>PROG-424</u>   Department: <u>Computer Information Tech.</u>

Course Title: <u>Advanced Web Authoring</u>   Semester: <u>Spring</u> Year: <u>2015</u>

Objectives/Competencies

Course Objective	Competencies
1. Introduction to JavaScript	1. Study the history of the World Wide Web 2. Learn about Web development 3. Add basic JavaScript code to your Web pages 4. Learn about the JavaScript programming language 5. Add structure to your JavaScript programs
2. Working with Functions, Data Types, and Operators	1. Learn how to use functions to organize your JS code 2. Study data types 3. Use expressions and operators 4. Study operator precedence
3. Building Arrays and Control Structures	1. Store data in arrays 2. Use `if` statements, `if . . . else` statements, and `switch` statements to make decisions 3. Nest one `if` statement in another 4. Use `while` statements, `do . . . while` statements, and `for` statements to repeatedly execute code 5. Use `continue` statements to restart a looping statement

Course Objective	Competencies
	3. Manipulate arrays 4. Convert between strings and arrays
8. Introduction to the Document Object Model (DOM)	1. Study the HTML Document Object Model (DOM) 2. Work with the Image object 3. Learn how to access document elements 4. Learn how to open and close the Document object and how to access document elements