Virginia Western Community College
ITP 140
Client Side Scripting

Prerequisites
ITD 110, ITP 100

Course Description
Provides instruction in fundamentals of Internet application design, development, and deployment using client side scripting language(s)

Semester Credits: 3   Lecture Hours: 3   Lab/Clinical/Internship Hours: 0

Required Materials

Textbook:
Murach's JavaScript & JQuery Edition: 3rd
Author: Ruvalcaba, Delamater
ISBN: 9781943872053
Copyright Year: 2017
Publisher: Mike Murach & Associates, Incorporated

Other Required Materials:
NetBeans (latest version - downloadable from the Internet)

Course Outcomes

At the completion of this course, the student should be able to:

- Understand how to integrate JavaScript into HTML Web page code
- Be able to write and run JavaScript code
- Understand how to debug JavaScript
- Be able to utilize constructs including decisions, loops and methods
- Thoroughly understand the Document Object Model
- Work with JavaScript events
- Validate Web forms with JavaScript, providing feedback to the user
- Understand the different frameworks and toolkits available for Web scripting
- Work with simple jQuery applications
- Understand how to use plugins
- Be able to utilize jQuery UI
- Be able to use Ajax, JSON, and Flickr

Topical Description

DATE		READING
Week 1	Mod 1 Intro to Class / Software Installation	Ch 1
Week 2	NO CLASS Labor Day. Start Mod 2	
Week 3	Mod 2 Intro to JavaScript & Essential JavaScript statements	Ch 2-3
Week 4	Mod 3 JavaScript Objects, Functions, Events, Testing & Debugging	Ch 4-5
Week 5	Finish Mod 3	
Week 6	Mod 4 Scripting the DOM & Working with links, images, & timers	Ch 6-7
Week 7	Finish Mod 4	
Week 8	Mod 5 jQuery, effects & animations	Ch 8-9
Week 9	Finish Mod 5	
Week 10	Mod 6 Forms and data validation, jQuery plugins and UI widgets	Ch 10-11
Week 11	Finish Mod 6	
Week 12	Mod 7 Numbers, strings, dates, control structures, exceptions, and regular expressions	Ch 13-14
Week 13	Finish Mod 7	
Week 14	Mod 8 Browser objects, cookies, web storage, and working with arrays	Ch 15-16
Week 15	Finish Mod 8	
Week 16	Final Exam and Projects Due	

Notes to Instructors

- A midterm exam is required.
- The project is designed to give the student Ajax, JSON, and Flickr experience.