# Minnesota State University Moorhead

## CSIS 212: Client-Side Scripting

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: GCOM 266

Corequisites: None

MnTC Goals: None

An introduction to client-side scripting.  Scripts will be used to add interactivity to webpages.

### B. COURSE EFFECTIVE DATES:  08/27/2007 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Using JavaScript in an HTML page.
2. JavaScript syntax.
3. JavaScript operators.
4. JavaScript assignment.
5. JavaScript augmented assignment.
6. JavaScript eval.
7. JavaScript functions.
8. JavaScript conditionals.
9. JavaScript and event handling.
10. JavaScript debugging techniques.
11. Using XML with JavaScript and the DOM.
12. JavaScript DOM.
13. avaScript interaction with existing page elements.
14. JavaScript modification/copying/deletion/creation of page elements.
15. JavaScript access and use of resources not on an HTML page.
16. Loops in JavaScript.
17. Model, View, Controller framework basics.
18. Object-oriented programming basics in JavaScript.
19. Simple game creation in JavaScript.
20. 2D graphics in ActionScript.
21. ActionScript syntax.
22. ActionScript changing of object properties, such as size, position, and mask.
23. ActionScript creation of new objects.
24. ActionScript event handling.
25. Simple game creation in ActionScript.

**D. LEARNING OUTCOMES (General)**

1.  Recognize when to use and not to use scripting.
2.  Use scripts that others have written.
3.  Write simple scripts of their own.
4.  Make incremental improvements to existing scripts.
5.  Be able to read a script and understand the basic idea of what it does.
6.  Share knowledge acquired about scripts.
7.  Explain why the use of a particular script might be better or worse than another solution (such as another script or a non-scripting solution).

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted