

# North Hennepin Community College

## CSCI 1030: Programming for Internet

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites:

This course requires any of these five prerequisites

CIS 1101 - Business Computer Systems I

CIS 1102 - Business Computer Systems II

CSCI 1000 - Computer Basics

CSCI 1010 - Computers and Society

CSCI 1020 - Beginning Web Page Programming (Minimum grade: 1.67 GPA Equivalent)

Corequisites: None

MnTC Goals: None

This course covers the practical aspects of a programming language used for development of advanced Internet applications which include: on-line animation and interactivity, feedback, and browser control enhancements. The actual language used (JavaScript, Perl, or Java) will be chosen by the instructor. The course also includes a brief introduction to advanced HTML and SCS, uploading the site to a Web server and promoting it.

Prerequisite: CSci 1000 or 1010 or 1020 or CIS 1101 or 1102

**B. COURSE EFFECTIVE DATES:** 08/27/1997 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. An introduction to web based application development using Java Script, practical aspects of Java Script for development of advanced internet applications like online animation and interactivity, feedback and browser controlled enhancements, introduction to dynamic HTML and CSS

### D. LEARNING OUTCOMES (General)

1. Demonstrate knowledge of state of the art web site design technology including multimedia. (Discipline goal A; NHCC Core Ability Critical Thinking, comps. a, b, c).
2. Develop and create dynamic and interactive web sites using JavaScript, XHTML and CSS. (Discipline goal B; NHCC Core Ability Critical Thinking, comps. a, b, c)
3. Formulate techniques to upload, maintain and advertise web sites using tools introduced. (Discipline goal B; NHCC Core Ability Critical Thinking, comps. b, c)
4. Analyze web accessibility and design usability. (Discipline goal A; NHCC Core Ability Critical Thinking, comps. a, b, c)

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted