North Hennepin Community College

CSCI 1025: Responsive Web Design

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:
This course requires the following prerequisite
   CSCI 1020 - Beginning Web Page Programming (Minimum grade: 1.67 GPA Equivalent)

Corequisites: None

MnTC Goals: None

This course will prepare students to design web pages that will respond to the media or device on which they are viewed. This course will focus on HTML5, some JavaScript and CSS media queries.

Prerequisites: A grade of C or better in CSci 1020

B. COURSE EFFECTIVE DATES: 01/12/2015 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. What is responsive design?
   Introduction to different devices and their characteristics
   Readable design
   Typography for web and hand-held devices
   CSS media queries
   Breakpoints
   Grid-based design/fluid grid
   Frameworks

D. LEARNING OUTCOMES (General)

1. Students will learn the basics of responsive design (NHCC ELO 1)
2. Students will explore the characteristics of different devices (NHCC ELOs 1, 2)
3. Students will explore font and text properties in CSS to make readable designs across platforms. (NHCC ELO 1)
4. Students will explore typographic concepts as they relate to the web (NHCC ELO 1)
5. Students will learn to effectively use media queries and break points in their designs. (NHCC ELOs 1, 2)
6. Students will learn about and practice using grid based designs. (NHCC ELOs 1, 2)
7. Students will explore several frameworks and implement their own designs within the frameworks. (NHCC ELOs 1, 2)

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

1. Knowledge of Human Cultures and the Physical and Natural World Through study in the sciences, mathematics, social sciences, humanities, histories, languages, the arts, technology and professions.

2. Intellectual and Practical Skills - Including: Inquiry and analysis; Critical and creative thinking; Written and oral communication; Quantitative literacy; Information literacy; Teamwork and problem solving.