

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. CSCI

COURSE NUMBER: 2150

NUMBER OF CREDITS: 3

Lecture: 3 Lab: 0 OJT 0

Course Title:
Multimedia for the Web

Catalog Description:
Multimedia for the Web explores emerging standards and futuristic trends for web site development and maintenance of text, graphics, scanned images, audio, video, dynamic and interactive elements to enhance web pages. Objects of scrolling messages, pop-up windows, applets, reaction to the state of the browser and event/response to user interventions provide dynamic content. Additional actions of the web site hierarchy, security management and maintenance employed through the development of a media-enhanced website.

Prerequisites or Necessary Entry Skills/Knowledge:
CSCI 1102

FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)

- ☐ Goal 1: Communication: By meeting the following competencies:
- ☐ Goal 2: Critical Thinking: By meeting the following competencies:
- ☐ Goal 3: Natural Sciences: By meeting the following competencies:
- ☐ Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- ☐ Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- ☐ Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- ☐ Goal 7: Human Diversity: By meeting the following competencies:
- ☐ Goal 8: Global Perspective: By meeting the following competencies:
- ☐ Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- ☐ Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered
Introducing Multimedia for the Web
Planning the Multimedia website
Design and the User Interface
HTML, XHTML and Web Authoring
Multimedia Elements: TEXT, Graphics, Animation, Sound, Video
Markup, scripting and programming for the Web

Student Learning Outcome
Define Multimedia
Explain design strategy
List design guidelines
Describe HTML, XHTML and conversion tools
Discuss cascading style sheets and implementation
Measure image quality and classify graphic file formats
Apply 3-D animation, special effects and virtual reality
Identify audio file formats for the web
Identify digital video file formats and codecs for the web
Analyze markup, scripting and programming languages for the web

Is this course part of a transfer pathway: Yes ☐ No ☒

***If yes, please list the competencies below**

Revised Date: 1/18/2022