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## SECTION HEADING

### CSCI 2150: Multimedia for the Web

#### 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.

#### Credits

3

#### Prerequisite

CSCI 1102

#### Topics to be Covered

1. Introducing Multimedia for the Web
2. Planning the Multimedia website
3. Design and the User Interface
4. HTML, XHTML and Web Authoring
5. Multimedia Elements: TEXT, Graphics, Animation, Sound, Video
6. Markup, scripting and programming for the Web

#### Learning Outcomes

1. Define Multimedia
2. Explain design strategy
3. List design guidelines
4. Describe HTML, XHTML and conversion tools
5. Discuss cascading style sheets and implementation
6. Measure image quality and classify graphic file formats
7. Apply 3-D animation, special effects and virtual reality
8. Identify audio file formats for the web
9. Identify digital video file formats and codecs for the web
10. Analyze markup, scripting and programming languages for the web

#### Credit Details

Lecture: 3

Lab: 0

OJT: 0