Wayne County Community College District

COURSE SYLLABUS

CIS 213   Web Design Methodology and Technology

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:
This course teaches students how to create and manage Web sites with Multimedia tools such as Macromedia Dreamweaver and Flash, FrontPage, Dynamic HTML, and various multimedia and CSS standards. Students will also implement strategies to develop third-generation Web sites, evaluate design tools, discuss future technology standards, and explore the incompatibility issues surrounding current browsers. This course also focuses on theory, design and Web construction.

PREREQUISITE: *CIS 110, CIS 241*

EXPECTED COMPETENCIES:
Upon completion of this course, the student will be familiar with:
 • Identify and implement Web design concepts, including page layout, multimedia, font and color selection, graphic images, audience usability, file hierarchy, and navigation.
 • Manage the web site development process, develop a web strategy with goals and tactics to support it, and implement techniques such as mind mapping and the site metaphor concept.
 • Choose and implement basic web technologies, such as x/HTML tables and frames, metadata, and cascading style sheets (CSS).
 • Use web production applications and tools to create and manage pages and sites, create animated GIF's, edit graphic files, and create multimedia files.
 • Define and implement advanced web technologies including scripting languages, Dynamic HTML, Extensible Markup Language (XML), Secure XML, RSS feeds, server-side technologies, Java applets and plug-ins.
 • Explain the functions of web servers, server administration ports, cookies, databases and database management systems.
 • Compare in-house web site hosting with an Internet Service provider (ISP) or Application Server Provider (ASP), and publish sites to the web using various tools and techniques,

ASSESSMENT METHODS:
Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:
90%-100% = A
80%-89.9%= B
70%-79.9%= C
60%-69.9%= D
<60% = E