CSCI 1710 Essentials of Web Development

Credit Hours: 3

Contact Hours: 4

Course Coordinator: Kellie Price

Text(s): None

Catalog Description:

An introduction to the World Wide Web as both a user and a developer. This course is designed to take the user from creating web pages to designing a large web site. Emphasis is on the use of existing software applications that generate web-ready code. Other topics include HTML, multimedia integration, and browser plug-ins. Laboratory use of software and team participation is an integral part of this course.

Prerequisite(s): None

Co-requisite: CSCI1100

CS: MAJOR ELECTIVE
IS: REQUIRED
IT: REQUIRED

Course Outcomes:

Developed and demonstrated a clear understanding of the basics of Hypertext Markup Language (HTML) for the purpose of creating and debugging web pages - ETSU Outcomes 4b, 5c, IT-1a, IT-1b; ABET Outcomes b, c, IT-j

Developed and demonstrated a clear understanding of the process of planning and creating successful web pages so that the needs of the target audience and the objectives of the client are met - ETSU Outcomes 1c, 4b, 5c, IT-1b; ABET Outcomes b, c, IT-j

Developed and demonstrated a clear understanding of web site design skills necessary to produce intelligible structure for quick and easy access to information for both expert and novice users - ETSU Outcomes 1c, 4b, 5c; ABET Outcomes c, i, IT-m

Developed and demonstrated a clear understanding of the types of graphics, their characteristics, and the means for selecting the right graphics for the right application - ETSU Outcomes 4b, 5c; ABET Outcomes b, c, IT-m

Developed and demonstrated a clear understanding of the types of multimedia and the methods for incorporating them into web pages - ETSU Outcomes 5c, IT-1a, IT-1b; ABET Outcomes c, IT-j
Developed and demonstrated a clear understanding of the tools available to web designers and how to use them - ETSU Outcomes 5c, IT-1a, IT-1b; ABET Outcomes c, IT-j, IT-k

Function on a team to create web pages that meet requirements specifications. - ETSU Outcome 1c; ABET Outcome d

Major Topics:

- FTP and servers
- Text editors
- Web history and terminology
- Intro to XHTML
- XHTML tags & text formatting
- Links
- Adding graphics
- Image links
- Image types
- WYSIWYG editors
- Tables
- Graphic design basics
- Site design
- Page design and layout
- Cascading style sheets
- Forms