**ABET Course Syllabus – CS 1220**

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| **Code** | CS 1220 | **Credits** | 3 |
| **Title** | Introduction to Website Development | **Coordinator** | Chengyu Sun |

**Course Information**

1. **Catalog Description:** Development of client-side web pages using hypertext markup language ([d][x]html), Cascading Style Sheets (CSS). JavaScript, and computer graphics and animation software.
2. **Prerequisites or co-requisites**: Prerequisites: Computer Literacy.
3. **Contact Hours**: Lecture 2 hours, laboratory 3 hours.
4. **Required/Elective:** This course is an elective in the BS program.

**Textbook**

* Terry Felke-Morris. *Web Development and Design Foundations with HTML5*, Pearson, 2012-2016.
* Anne Boehm and Zak Ruvalcaba. *Murach's HTML5 and CSS3*, Mike Murach & Associates, 2015.

**Course Goals**

The Student Learning Outcomes that are addressed by the course are:

* SLO 4. Students will have a fundamental understanding of computer systems.

At the end of the course, students are able to

* Create web sites with static HTML content.
* Use CSS to control the look and feel of a web site.
* Use JavaScript to add interactivity to web pages.
* Use common graphics ands animation software to create simple web graphics and animation.

**Topics Covered**

* Web servers and web sites
* XML and HTML basics
* Tables and forms
* CSS
* Basic JavaScript
* jQuery and jQuery UI
* Use of web page authoring software
* Use of graphics and image editing software