

SU DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE SYLLABUS
(Tentative)
COSC 119 Introduction to Web Development

Course Description: A first course for students interested in Web page development through the use of XHTML (Extensible Hypertext mMarkup Language), CSS (Cascading Style Sheets) and JavaScript. Web page will be developed through the use of XHTML forms, tables, menus, graphics, and JavaScript. (Three hours lecture, two hours lab per week.) Meets General Education IVB.

Prerequisites: None

Textbook: How to Code in HTML5 and CSS: <http://howtocodeinhtml.com/#toc>

Topics	Weeks
HTML and XHTML Introduction Overview of the Internet; basic structure, tags of HTML and XHTML.	3.0
Cascading Style Sheets (CSS) Web styling techniques through the use of inline, embedded and external cascading style sheets.	2.0
Introduction to JavaScript Basics of JavaScript programming: expressions, functions, conditional statements, arrays, iterations.	6.0
XML, AJAX and jQuery Methods Techniques of exchanging data with a server, and updating parts of a web page.	<u>3.0</u> 14

Evaluation

Webpage Projects 20%
Lab Assignments 20%
Midterms and Final Exams 50%
Quizzes and In-class Exercises 10%

NOTE: ONCE A STUDENT HAS RECEIVED CREDIT, INCLUDING TRANSFER CREDIT, FOR A COURSE, CREDIT MAY NOT BE RECEIVED FOR ANY COURSE WITH MATERIAL THAT IS EQUIVALENT TO IT OR IS A PREREQUISITE FOR IT.