CS 44105/54105 WEB PROGRAMMING I 3 credit hours

Instructor’s Name: Volkert


Course Content:
(Slashed with CS 54105) This course is the first of a two-course sequence on Web Programming covering from basic to advanced topics on Web Programming based on open standards and best practices. Topics covered include the HyperText Markup Language (HTML), specifying look and feel using Cascading Style Sheets (CSS), client side programming in Javascript, server side programming in PHP, and the Hypertext Transfer Protocol (HTTP).
Prerequisites or co-requisites: CS 23001 with a minimum grade of C (2.000).
Required, elective, or selected elective

Course Goals:

Topics to be Covered:
1. Creation of websites using HyperText Markup Language (HTML)
2. Specifying look and feel of websites using Cascading Style Sheets (CSS),
3. Client side programming in Javascript,
4. Beginning server side programming in PHP,
5. Hypertext Transfer Protocol (HTTP)

Learning Outcomes:
1. Ability to develop professional quality front-end website using client side tools
2. Ability to setup a full stack programming environment.
3. Intermediate understanding and implementation of HTML language
4. Ability to implement a variety of look and feel for websites using CSS
5. Introductory understanding of HTTP
6. Ability to design and implement interactive features on websites using JavaScript
7. Introductory understanding of server side programming in PHP

Learning Outcomes Assessment:
1. Semester programming project with monthly checkpoints
2. Weekly in-class design and programming exercises
3. Midterm and final exam