



United International University (UIU)
Dept. of Computer Science & Engineering (CSE)

Course Outline

Trimester: Fall 2016
Course: CSI 465
Course Title: Web Programming
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Assessment:

Component	Marks (%)
Attendance	05
Class Test, Assignments & Project	25
Mid Term	30
Final Exam	40
Total	100

Reference Book

- Head First HTML & CSS by Elisabeth Robson
- A Smarter way to Learn Javascript by Mark Myers
- Head First HTML5 Programming: Building Web Apps with Javascript by Eric Freeman, Elisabeth Robson
- Beginning Web Programming with HTML, XHTML and CSS by Jon Duckett

Outline

Week 1

- Introduction to web programming
- Understanding the basic of client-server communication
- Understanding different elements of web programming
- Understanding the basic HTML structure

Week 2

- Learning basic & intermediate HTML
- Learning basic CSS

Week 3

- Understanding selectors
- Learning intermediate CSS
- Learning to create a web template

Week 4

- Introduction to javascript
- Understanding the basic of javascript
- Web event handling with javascript

Week 5

- Client side validation
- Validation with regular expression
- Understanding the Document Object Model

Week 6

- Advanced javascript programming
- Javascript object oriented programming

Mid Exam

Week 7

- Introduction to server side programming
- Learning to setup the server environment

Week 8

- Database connection configuration
- Learning to implement functionality with GET method

Week 9

- Learning to implement functionality with POST method
- Form submission

Week 10

- Session management
- Learn to develop an authentication system

Week 11

- Introduction to AJAX
- Implementing AJAX in an application

Week 12

- Combining different modules to develop a micro website
- Introduction to MVC architecture pattern
- Performance Optimization