

WEB DESIGN & WEB DEVELOPMENT SYLLABUS

COURSE COVERS:

1. HTML 5
2. CSS 3
3. JAVASCRIPT
4. BOOTSTRAP 3
5. PHP 6
6. DATABASES
7. MYSQL

Getting Started: The World Wide Web

- Course Overview
- The Internet and World Wide Web
- Introduction to Markup
- Assignments

Markup (HTML)

- Essential HTML document structure
- Essential HTML for content
- Assignments

Markup (HTML) and Style (CSS)

- HTML forms
- CSS mechanics and basic selectors
- CSS text properties
- Assignments

Style (CSS)

- CSS block model

- Colors and Images
- CSS and lists
- Multiple CSS stylesheets
- The cascade and specificity of CSS
- Assignments

Style (CSS)

- Fonts
- CSS and Layouts
- CSS frameworks
- Assignments

Style (CSS) and Images

- CSS Loose Ends
- Image types (PNG, JPEG, GIF), features, properties and typical use
- Tools for image creation and manipulation
- Assignments

User Experience and Design

- Workflow for designing a site
- User Experience principles
- Design principles
- Assignments

JavaScript - Introduction

- JavaScript Events
- DOM
- jQuery
- Assignments

JavaScript - Integrating

- Focus on using and integrating JavaScript functionality
- Slideshows, form validation, navigation, social media widgets
- Assignments

Server-Side: Dynamic Content

- PHP Overview
- PHP File Includes
- PHP Web Applications
- Example: Web Application Using Database and Templates
- Web Content Management Systems (Web CMS)

Making Your Site Production Ready

- Web page performance
- Search engines
- Monitoring and security

