

Web 1: Create Your First Website with HTML5

Course Outline

Course Description:

This is an introductory web course for beginners. Students will learn Internet fundamentals, such as web terms, protocols, and client/server model. Students will learn to set up the development environment to start building their first websites using HTML5, the Hypertext Markup Language. At the end of the course, the website will be deployed and published to the world.

Learning Outcomes:

Upon successful completion of this subject, the student will be able to:

- (1) Understand Internet fundamentals.
- (2) Set up a web development environment.
- (3) Create HTML5 documents with an editor and console.
- (4) Understand and apply HTML5 tags for different scenarios.
- (5) Include multimedia to website.
- (6) Implement forms to collect user's input.
- (7) Design, develop, deploy, and publish a basic website.

Weekly Topics:

- (1) Week One: Introduction
 - Self-introduction
 - Course overview
 - Introduction to the Internet
 - Web terms
 - Front end vs. back end
 - Getting to know webpage code (HTML)
 - Development environment setup
 - Starting your first webpage
 - Resources
- (2) Week Two: HTML5 tag
 - Basic HTML5 document structure
 - HTML5 tags
 - Paragraph
 - Heading
 - Special character
 - List
 - Ordered list
 - Unordered list
 - Nested lists
 - Navigation link

- Navigation to other pages on your website
- Navigation to external website
- Email
- Phone call
- Download

(3) Week Three: Including multimedia to your webpage

- Image
 - Image from your website
 - Online image
 - Image link, e.g., clickable logo
- Table
 - Special table
- Audio
- Video
- Block tag & inline tag
- HTML5 new semantic element

(4) Week Four: HTML5 Form

- Basic form structure
- Textbox
- Password
- File upload
- Radio button
- Checkbox
- Number
- Email
- Date, Time, Data + Time
- Submit
- Reset
- Textarea
- Fieldset

(5) Week Five: HTML5 form continued & Publishing your website

- Dropdown menu
- Form attributes
 - Required
 - Readonly
 - Autocomplete
 - Autofocus
 - Hidden
 - Disabled
- HTML5 form validation
- Publish your website to the world

- Final project
 - create your own website
 - publish to the Internet

(6) Week Six: FREE Class - Project Review/Discussion/Feedback/Consultation

- Project review and feedback
- Answer your questions