# Softlogics HTML Course Syllabus

## 1. Introduction to HTML

1.1 What is HTML?

1.2 History and Evolution of HTML

1.3 Basics of Web Development

1.4 Tools for Writing HTML

## 2. HTML Structure

2.1 Basic HTML Document Structure

2.2 DOCTYPE Declaration

2.3 HTML Tags, Elements, and Attributes

2.4 Nested and Empty Elements

## 3. Text and Formatting

3.1 Headings (<h1> to <h6>)

3.2 Paragraphs (<p>)

3.3 Text Formatting Tags (e.g., <b>, <i>, <strong>, <em>)

3.4 Line Breaks (<br>) and Horizontal Rules (<hr>)

## 4. Working with Links

4.1 Anchor Tags (<a>)

4.2 Internal and External Links

4.3 Linking to Email and Phone Numbers

4.4 Adding target and rel Attributes

## 5. Images in HTML

5.1 Adding Images with <img> Tag

5.2 Attributes: src, alt, width, and height

5.3 Image Optimization for Web

## 6. Lists

6.1 Ordered Lists (<ol>)

6.2 Unordered Lists (<ul>)

6.3 Nested Lists

6.4 Definition Lists (<dl>)

## 7. Tables

7.1 Creating a Basic Table

7.2 Table Headers, Rows, and Cells

7.3 Spanning Rows and Columns (rowspan and colspan)

7.4 Table Styling with Attributes

## 8. Forms

8.1 Form Basics and Structure (<form>)

8.2 Input Types (<input>, <textarea>, <select>)

8.3 Form Attributes (action, method, name)

8.4 Validation and Placeholder Text

## 9. Multimedia in HTML

9.1 Embedding Videos (<video>)

9.2 Embedding Audio (<audio>)

9.3 Using <iframe> for Embedding Content

## 10. Semantic HTML

10.1 Introduction to Semantic Elements

10.2 Common Tags: <header>, <footer>, <article>, <section>

10.3 Accessibility and SEO Benefits

## 11. Advanced Topics

11.1 HTML5 New Features

11.2 Global Attributes

11.3 Data Attributes (data-*)

11.4 HTML APIs (Drag and Drop, Geolocation)

## 12. Best Practices

12.1 Writing Clean and Organized Code

12.2 Proper Use of Indentation and Comments

12.3 Avoiding Deprecated Tags

12.4 Cross-Browser Compatibility

## 13. Project

13.1 Building a Simple Personal Website

13.2 Using Forms and Multimedia

13.3 Linking Pages and Adding Styling