

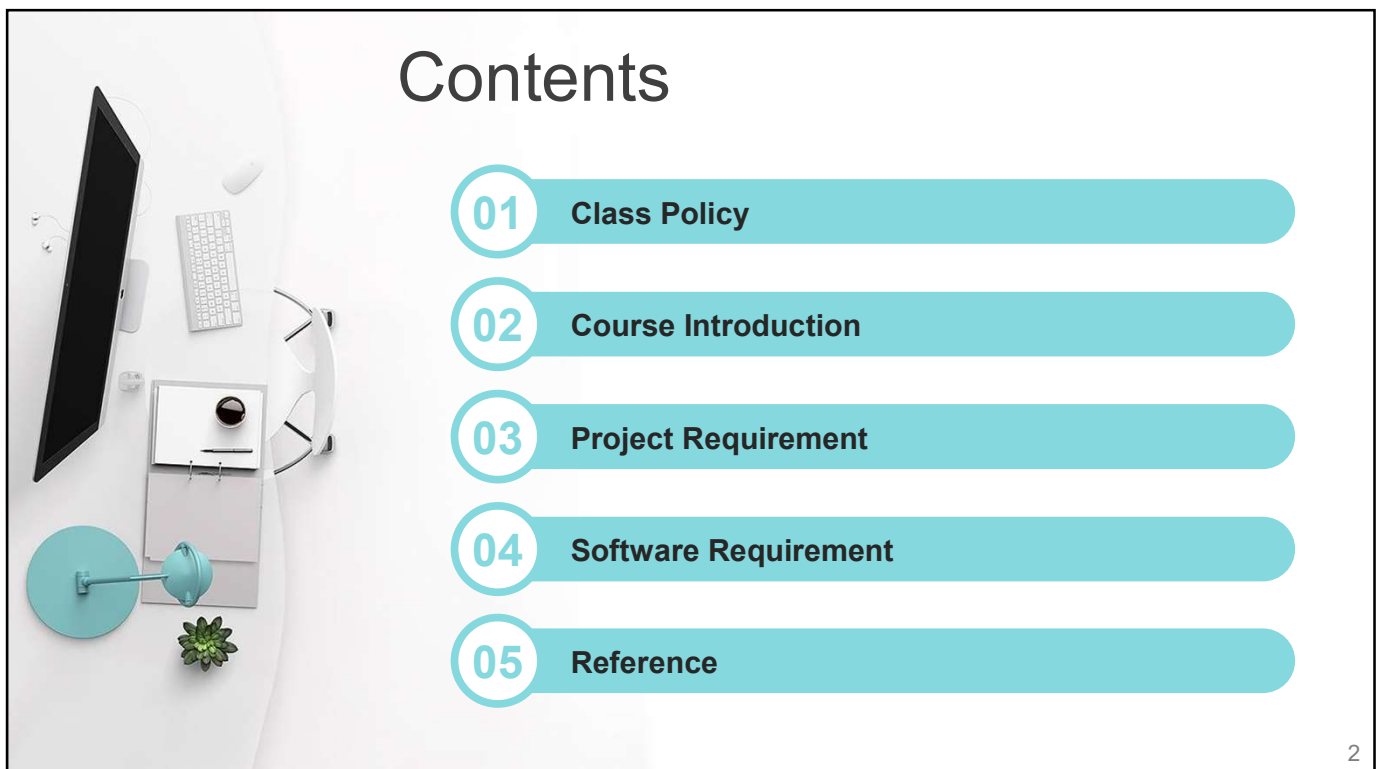


The slide features a central illustration of three people interacting with a large computer monitor. One person is on a ladder reaching the top of the screen, another is pointing at the screen, and a third is holding a tablet. The monitor displays a web interface with a search bar and a checkmark. Surrounding the illustration are logos for HTML5, CSS3, and JavaScript. The title 'Web Programming' is written in a large, bold, orange font.

Web Programming

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The slide has a background image of a desk with a monitor, keyboard, mouse, and a small potted plant. The title 'Contents' is in a large, bold, black font. Below the title is a list of five items, each in a light blue rounded rectangle with a white circle containing a number.

Contents

- 01 Class Policy
- 02 Course Introduction
- 03 Project Requirement
- 04 Software Requirement
- 05 Reference

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1. Class Policy

- No phone ring, no calling, no texting
- No gaming or chatting or other activities not related to the course
- **EIU Moodle**
Lessons, assignments and notice will be posted here
- Don't submit Assignments via Email if not requested
- **Late Submission**
 - 2nd, 3rd, ..., nth late times will be minus $(n - 1) \times 10$ grade
 - No late more than 01 day
- **How to submit**
 - Create Repository on **GitHub**, submit Homework and Project on time
 - Upload source code into EIU Moodle, copy the link GitHub and paste into EIU Moodle

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1. Class Policy



Together

Everyone

Achieves

More

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1. Class Policy

- **Encourage to:**
 - Directly contact
 - ✓ In class
 - ✓ By appointments
 Email: tai.tran@eiu.edu.vn
 - Discuss
- **Reference**
 - **All copy will lead to penalty (from classmates)**
 - All references from the Internet should be cited

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1. Class Policy

Reference notation style

- **Original paragraph**

“It is a matter of some urgency that we as a research community define and agree reporting protocols and methods for comparison” [1]
- **Idea**

Shepperd believes that the research community needs to define a reporting protocols and methods for comparison [1]
- **Source**

[1] Shepperd M, “Software project economics: a roadmap”, Future of Software Engineering (FOSE'07), 2007

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2. Course Introduction

Evaluation

- **Progression score** = Attendance + Discuss + Assignments
- **Final score** = 10% Progression + 30% Project + 60% Final Test
- **Not allowed to take the exam:**
 - Absence 1 week continuously
 - Absence more than 20%

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2. Course Introduction

Why HTML, CSS and JavaScript?

- **HTML, CSS and JavaScript (JS)** – the standard for web-based User Interface (UI)
 - Web-based applications are extremely popular
 - Run on **anything with a browser**
 - Many frameworks that produce **native applications** from HTML, CSS and JS
- **JavaScript**
 - High-level scripting language, easy to use
 - **The most widely used** programming language
 - Runs on client and server

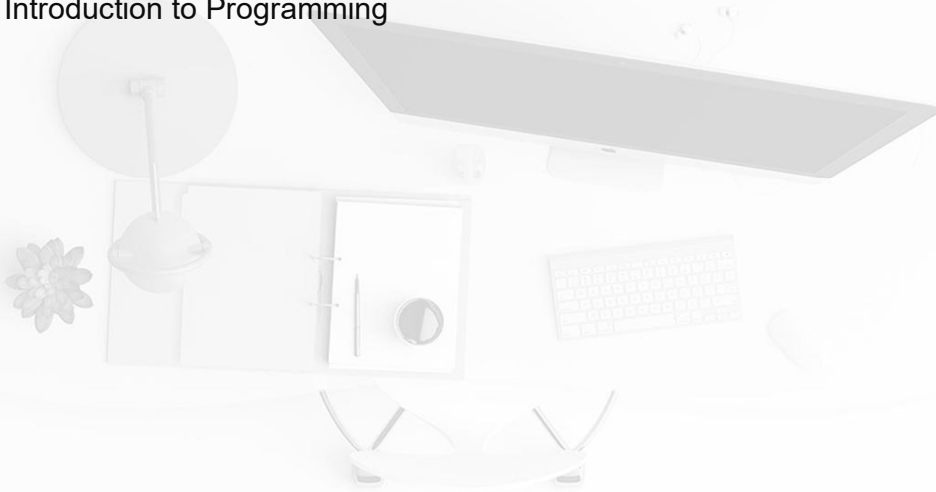
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2. Course Introduction

Prerequisite

CSE 102: Introduction to Programming



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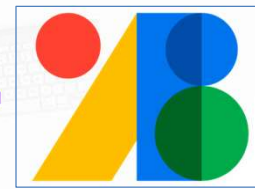
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2. Course Introduction

Course Learning Outcomes

Students will be able to build web UIs using:

- HTML/HTML5
- CSS/CSS3
- JavaScript/jQuery
- Bootstrap
- Google Font, Font Awesome



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3. Project Requirement

▪ Clean code

- Tab (4 spaces)
- Nested elements must be indented 1 Tab

▪ Web title

- Choose a title that reads naturally and effectively communicates the topic of the page's content
- Title must be short and informative

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3. Project Requirement

▪ Requirements

A web page must contain the followings:

- Menu: at least 2 levels
- Slider
- At least 2 product blocks and 1 News block
- There is at least one block using at least 2 columns layout
- Footer: at least 2 blocks and a scroll-to-top button

Example:

- ✓ Address and quick links
- ✓ Address and map
- You must create both UI versions (Desktop and Mobile) for the page
- Use Bootstrap, Font Awesome and Google Font (Roboto, Open Sans, San Serif family)
- Recommendation:
 - ✓ It might have a sidebar
 - ✓ Write text for Alt attribute of image tags

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4. Software Requirement

Software needed for this course:

- Notepad++
- **Visual Studio Code**
- Sublime Text version 3.x or later
- Web server (XAMPP, WAMP, MS IIS, etc.)



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5. Reference

- **HTTP**, <https://developer.mozilla.org/en-US/docs/Web/HTTP/Overview>
- **HTML**, <https://developer.mozilla.org/en-US/docs/Web/HTML>
- **CSS**, <https://developer.mozilla.org/en-US/docs/Web/CSS>
- **JavaScript**, <https://developer.mozilla.org/en-US/docs/Web/JavaScript>
- **jQuery**, <http://api.jquery.com/>
- **Bootstrap**, <https://getbootstrap.com/>

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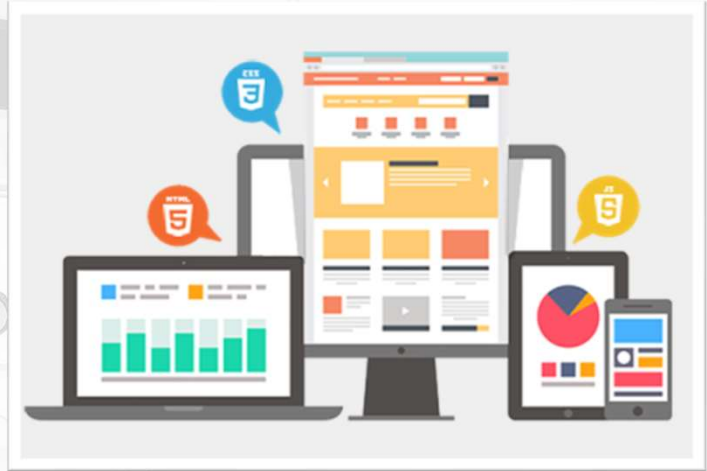
It does not matter how slow
you go so long as you do not
stop.



~Confucius Wisdom

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Web Design vs Web Programming



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