



# Front-end Development

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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**
  - 2<sup>nd</sup>, 3<sup>rd</sup>, ..., n<sup>th</sup> late times will be minus  **$(n - 1) \times 10$**  grade
  - No late more than 01 day

# 1. Class Policy



Together

Everyone

Achieves

More

# 1. Class Policy

## ▪ Encourage to:

- Directly contact

- ✓ In class

- ✓ By appointments

Email: [giau.ung@eiu.edu.vn](mailto:giau.ung@eiu.edu.vn)

- Discuss

## ▪ Reference

- **All copy will lead to penalty (from classmates)**
- All references from the Internet should be cited

# 2. Course Introduction

## Evaluation

- **Formative score** = Attendance + Discuss + Assignments
- **Final score** = 10% Formative + 40% Project + 50% Final exam
- **Not allowed to take the exam:**  
Absence more than 20%

# 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

# 2. Course Introduction

## Prerequisite

- CSE 307  
CSE 102: Introduction to Programming
- CSW 304  
CSE 201: Data Structures and Algorithms





# 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



# 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

# 3. Project Requirement

## ▪ Requirements

A web page must contain the followings:

- Menu: at least 2 levels
- Slider (Carousel)
- 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

# 4. Required Software

Software needed for this course:

- Notepad++
- Visual Studio Code
- **Sublime Text version 3.x** or later
- Node.js



# 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/>

# Web Design vs Web Programming





**Q&A**