WEB PROGRAMMING 2

Lecturer: Ngo Tra

YOUR LECTURER

- Ngô Lương Thanh Trà
- TraNLT2@fe.edu.vn
- Office hours
  - Thursday: 08.00 – 11.00
  - Friday: 08.00 – 15.00
  - Saturday: 08.00 – 18.00

MODULE INTRODUCTION COMP1842

o This module provides students with an introduction to the MEVN Stack. This is one of the modern free open-source JavaScript based stacks used to build single page, multi-page as well as complex dynamic web applications.

o The stack consists of MongoDB, Express JS, Vue JS and Node JS. Students will gain an introduction to these technologies while developing a CRUD web application.

LEARNING OUTCOMES

o Develop a CRUD web application using the JavaScript based MEVN stack.

o Discuss issues surrounding Internet and intranet technologies, such as browser dependency, accessibility, legal and security concerns.

o Critically analyse and evaluate some of the key differences between SQL and NoSQL databases.

TEACHING AND LEARNING

- **Lectures: Thursday, first slot**

- **Tutorials: Thursday, second slot**

- **Coaching: Thursday, third slot**

- **Independent learning:** You will need to explore and learn independently, using problem solving skills. Explore sources on Moodle, the literature, and from the web.

ASSESSMENTS

❖ Type   : Individual coursework

❖ Content : Web application using MEVN stack

- Weekly lab tasks : 30% -> 28%

- Web application : 30%

- Written report   : 40%

❖A plagiarism rate of less than 25%

CLASS RULES

- Do not disrupt the class's learning. Examples of disruptive behaviours include ringing phones, food smells, and discussions unrelated to the current topic, etc.

- Respect for others: Be courteous and respectful to your classmates, lecturer, and staff.

- Require laptop and headphone for lab work (primarily used for doing practical exercises).

- A failed demo will automatically lead to a failing grade for the entire course.

CLASS GUIDELINES

o It's advisable to verify your class schedule and room location a day in advance.

o If there is a third slot, it will be for coaching.

o Capture your screen while completing the exercises or coding and upload the screenshot to Google Drive at the end of the session. (for attendance)

o For your convenience, you can submit your weekly lab work directly to GDrive.

o You should aim to submit your coursework at the earliest possible time.

SCHEDULE

Week No.	Week beginning	Activity
1	18/09/2025	HTML Recap
2	26/09/2025	Command line, github and CSS selectors
3	03/10/2025	Javascript
4	10/10/2025	Vue part 1
5	17/10/2025	Intro to npm - Vue part 2
6	24/10/2025	NoSQL - MongoDB
7	31/10/2025	Node JS server & CRUD pt1
8	07/11/2025	Node RESTful API & CRUD pt2
9	14/11/2025	Express JS and CRUD pt 3
10	21/11/2025	CRUD pt 4 - Module summary - report help
11	28/11/2025	Report help
12	05/12/2025	Demo

QUESTIONS?