

Web Programming

Yi-Jheng Huang

About this Course

- Name :
 - Web Programming
- Time and Location :
 - Tuesday 09:10~12:00, R1201A

About Your Teacher

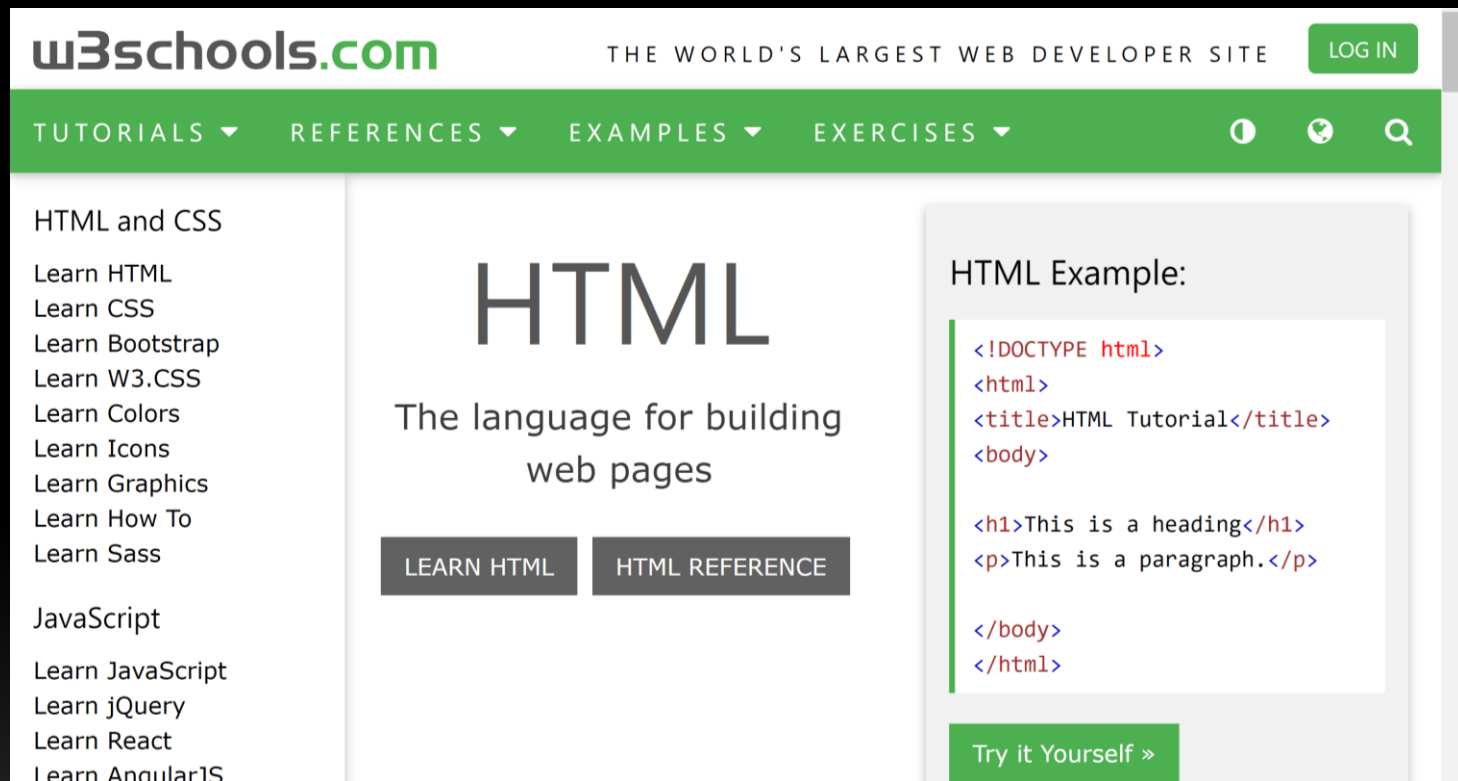
- Yi-Jheng Huang
 - Email : yjhuang@saturn.yzu.edu.tw
 - Office : R1318
 - Research : Computer graphics, Mixed Reality, Human-Computer Interaction

Course Content

- Basic concepts of websites architecture
- HTML
- CSS
- JavaScript
- npm
- Flask
- Bootstrap

We follow this website

- w3schools.com
 - <https://www.w3schools.com/default.asp>



Schedule

	Date	Class
1	9/09	Introduction
2	9/16	HTML
3	9/23	HTML
4	9/30	HTML
5	10/07	CSS
6	10/14	<i>Final Project Proposal</i>
7	10/21	CSS
8	10/28	<i>Midterm Exam Week (No Class)</i>
9	11/04	CSS

Schedule

	Date	Class
10	11/11	CSS
11	11/18	CSS
12	11/25	<i>Final Project Progress Report</i>
13	12/02	JavaScript
14	12/09	JavaScript
15	12/16	jQuery
16	12/23	<i>Final Project Demo (Final Examination Week)</i>
17	12/30	<i>Self-Directed Learning (No Class)</i>
18	01/06	<i>Self-Directed Learning (No Class)</i>

If you are unable to attend the reporting session, please notify me by September 15.

- 2025/10/14 Final project proposal
 - 2025/11/25 Final project progress report
 - 2025/12/23 Final project demo
-
- Leave requests for reasons such as family trips or traveling abroad will not be accepted after September 15.

Score

- Class Roll Call 15%+
- Classroom exercise 35%
- Final Project 40%
- Self-directed learning homework 10%

Class Roll Call (15%+)

- One session for 0.5 overall points
- One day course has 3 sessions
- Using automated roll call system
- Not applicable on weeks 1, 6, 8, 12, 16, 17, 18
- That is, you can get up to 16.5 points in this item.

Classroom Exercise (35%)

- Upload to the portal, TA will check this.
- Exercise check list:
- https://docs.google.com/spreadsheets/d/1upfN4aXY5Ra0db-RUrDt-h6FpjpJbxv9q_r3oO7U2N8/edit?usp=sharing
- No points for exceeding the deadline

Final Project (40%)

- Make your own website!
- The project should relate to **SGDs (永續發展)**
- One or two person as a group
- Please select presentation order here:
https://docs.google.com/document/d/15xCmslExJzNL97PF1cXmnMZBa6GW3pUDh_KOPvguBnw/edit?usp=sharing
- Three milestones:
 - Proposal (15%)
 - Progress demo (5%)
 - Demonstration (25%)

SDGs

SUSTAINABLE DEVELOPMENT GOALS



About any late submission

- -20 points for one day delay

Self-directed learning (10%)

- Pick a course from the listed platforms that related to **Web Programming**. Learn from the course. Write reports about it.
- You should upload three items to portal: Slides, Video, Report.

Self-directed learning (10%)

- (30%) Slides:
 - Summarize what you learned in a simple and clear presentation.
 - The slides should be at least 15 pages.
 - Your slides should include: (a) course introduction; (b) what you learn in the course; (c) learning experience.
- (30%) Video:
 - A video presenting your slides. You should appear in the video. The video should be at least 10 minutes long.

- (40%) Report:
 - This report is the script of video.
 - Clearly indicate which slide you are talking about for each section.
 - Use clear formatting so readers can easily distinguish titles and main content.
 - The report must be well-structured, with proper headings and paragraphs.
 - Filler words (e.g., "um," "ah," "you know," "like") should be removed to ensure formal and professional writing.
 - Save the final version as a PDF file for submission.

Course list

- MIT OpenCourseWare <https://ocw.mit.edu/>
- 臺大開放式課程 <http://ocw.aca.ntu.edu.tw/ntu-ocw/>
- OpenLearn <https://www.open.edu/openlearn/free-courses/full-catalogue>
- Coursera <https://www.coursera.org/courses?query=free>
- Udacity <https://www.udacity.com/catalog?price=free>
- HubSpot Academy <https://academy.hubspot.com/>
- FreeCodeCamp <https://www.freecodecamp.org/>
- edX <https://www.edx.org/>
- W3Schools <https://www.w3schools.com/>
- IBM SkillsBuild <https://skillsbuild.org/>
- Microsoft Learn <https://learn.microsoft.com/en-us/training/>
- Google Skillshop <https://skillshop.withgoogle.com/>
- Alison <https://alison.com/>

0-20 Bonus for participating in competitions !!!

- CSS Design Awards
 - <https://www.cssdesignawards.com/>
- Awwwards
 - <https://www.awwwards.com/>
- (June) ITSA全國大專校院程式設計極客挑戰
- (Oct.) InnoServe大專校院資訊應用服務創新競賽
 - <https://bhuntr.com/tw/competitions/hm61rxms8hnyj5jz7w>
- (Feb.) 全國技專校院學生實務專題製作競賽
- ...
- Others
- Discuss with the professor for more details

Competition Support

- Apply for school funding
 - <https://www.yzu.edu.tw/admin/st/index.php/tw/2016-03-25-05-42-29/2017-04-19-04-00-53>
- Apply for funding from the College of Informatics
 - <https://www.ci.yzu.edu.tw/index.html#/group2/page1>
 - https://www.ci.yzu.edu.tw/regulation/Regulations7_1704180462.pdf
- Apply for funding from IBPT
 - Under processing

Looking for a student to take care of classroom.

- +3 points in this course
- Open the classroom, air conditioning, computer, and projector

Q & A