

Itec/MODR 2635 EN

Fall 2020



Our class meets on Tuesdays 6:00-9:00 pm, virtually by ZOOM

Instructor: Tuan (Titou) Cao-Huu

Office: YH358

Office Hours: MW 12:00-13:00 Virtually by ZOOM

E-mail: tuan@gl.yorku.ca

Moodle: <https://eclass.yorku.ca>

Rstudio-server: <https://oldtown.glendon.yorku.ca/>

Username: yourlastname (always in small letters)

Password: your_student_number

Your web pages are at: **<http://oldtown.glendon.yorku.ca/~yourlastname>**

Course description:

This course presents the client server model of the Web with different methods to secure a Web site. The students will learn how to build and manage a Web site using DHTML, Java Script, and animation and sound manipulation software. Prerequisite: GL/ITEC 2915 3.00. Course credit exclusions: GL/MODR 1960 3.00 and GL/MODR 1970 3.00, GL/SOSC 1960 3.00, GL/SOSC 1970 3.00.

Upon completing this course, a student will be able create responsive web pages and to:

- Work in the Glendon working environment (Client-server) and **rstudio-server pro**
- Create responsive web pages using html, css and Rmarkdown
- Understand what **JavaScript** is and why you should use it.
- Create client side web pages using HTML5, CSS and JavaScript
- Work with multimedia web pages (images, video, sound, animation)
- Implement Web security with httpasswd and htaccess
- Create your own client-side applications
- Make web pages using Flexbox & Grid

Attendance:

Attendance is mandatory however I realize there are times when you must be absent. Please give me advance notice of any absences.

Grading:

Homework 40%

1 Test 20%

Final 40%

All Assignments will be submitted through our Moodle web site. If you have multiple files, please zip all your files and label your file, for example:
"yourname_Assignment1.zip"

Collaboration:

- I encourage you all to work together through problems – make sure you comment who you have worked with at the top of the page of your submission

Class Etiquette:

- Be respectful to your fellow classmates.
- Email me anytime if you have a question.

Tentative Schedule:

Week	Topic	Notes
1	Glendon working environment; Client-server, & Rstudio-server	
2	Overview of HTML and CSS, and JavaScript; the DOM	Homework 1
3	Multimedia: images, video, sound, and animation I	
4	Web security with httpasswd and htaccess	Homework 1 due
5	Multimedia: images, video, sound, and animation II	Homework 2
6	Review and summary	Test
7	More html, CSS, and JavaScript	
8	Flexbox	Homework 2 due
9	Grid	
10	Review and practice	
11	Wrapping it all up	