

Itec/MODR 2655 EN

Winter 2021



Our class meets on Wenesdays 6:00-9:00 pm, virtually by ZOOM (click **here**)

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 offers a hands-on introduction to the basics of computer music, digital audio recording and editing, and the MIDI system (Musical Instrument Digital Interface) and its software.

Upon completing this course, a student will be able to:

- Work in the Glendon working environment (Client-server) and **rstudio-server pro**
- Create very simple web pages using html, CSS (in order to stream your music).
- Understand the basics of Audio Theory & Voicemeeter
- Understand the basics of Digital Audio Workstation
- Understand the basics of Recording Studio Techniques
- Work with multimedia web pages (images, video, music)
- Work with MUESCORE and MIDI (Synthesia) to make playable music video

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 60%

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; Introduction to computer music & the web & Voicemeeter	
2	Introduction to Audio Theory Basics: 1. Amplitude, Frequency and Timbre 2. Equalization Basics	Homework 1
3	Introduction to Recording Studio Techniques 1. Main Equipment: The Computer 2. Equipment Used in the Typical Recording	
4	Web audio and video (multimedia)	Homework 1 due
5	Digital Audio Workstation Overview 1. Multitrack Recording 2. DAW Principles, Practices and File Management	Homework 2

	3. Skills for Overdubbing, Editing, Session Management	
6	Muscore and MIDI I	
7	Review	
8	Muscore, MIDI and music recording I	Homework 2 due
9	Muscore, MIDI and music recording II	
10	Review and (more) practice	
11	Wrapping it all up	