# Itec/Modr/huma 2655

### Submission Link

## Due March 30 (Thursday) at midnight

Please submit a short report (PDF or WORD), with brief explanations of ALL your steps, and links to your web results (URL)



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# Take-home

#### **1.** MAKE YOUR SINGING VOICE DEEPER AND CRISPIER USING AUDACITY

- a. Can you make the Beatles to sing with a deeper and crispier voice? What is your strategy to do this in Audacity? Here is the link to the audio tracks:
  - i. Vocal-only audio:

http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/hw2/takehome/sun/mp3/vocals.mp3

In the audio above, from time 41 sec to end (approximately), there is some unwanted sound. Can you replace this by silence. Explain how.

ii. The rest of the tracks you may need is here: <u>http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/hw2/takehome/sun/mp3/</u>

Here is your hint to begin (pitch effect): <u>http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/hw2/takehome/images/start-pitch.png</u>

Display your result as an embed and mix-down audio at your URL below:

#### http://oldtown.glendon.yorku.ca/~yourname/2023/huma2655/takehome/sun/deeper1.html

- b. What is your strategy to make the Beatles to sing in **chorus** with themselves using their original vocals given in (a) above. I want 3 voices.
- > The original vocal is here:

http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/hw2/takehome/sun/mp3/vocals.mp3

Display your result as a vocal-only audio (chorus2.mp3) at your embed URL at: http://oldtown.glendon.yorku.ca/~yourname/2023/huma2655/takehome/sun/chorus2.html

c. Mix down your result from (b) – 3-voice vocals (from b above) + strings + drums

Here are the links to the strings and drums audios: http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/hw2/takehome/sun/mp3/

Display your result of the MIX-Down audio (chorus-mixdown.mp3) in your embed URL at:

http://oldtown.glendon.yorku.ca/~yourname/2023/huma2655/takehome/sun/mix1.html

#### 2. AUDIO TO MIDI & MUSESCORE

a. Watch the video at: <u>http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/drake/</u> Please describe what you hear/view. Can you make your URL at: <u>http://oldtown.glendon.yorku.ca/~yourname/2023/huma2655/takehome/drake/</u> that looks exactly like my URL in (a) above.

b.

Download the file: <u>http://oldtown.glendon.yorku.ca/~teaching/bohemian/piano.flac</u>

- i. Using Audacity to edit out the first 2 minutes and convert it from FLAC to MP3 format (save it as **piano.mp3** file)
- ii. Convert piano.mp3 you made in (i) **to MIDI** file at the web site:

https://basicpitch.spotify.com/ Download the MIDI file in (ii) to your PC as piano.mid.

c. Musescore to sheet music, audio (mp3, wav) etc...

i. Use MUSESCORE to make the music score from the midi file piano.mid in a(ii). Your result should loke like this video:

http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/lab/musescore-aud2midi.mp4 Export (save as) the musescore file in (i) above as PDF file, and mp3 audio.Display your PDF and mp3 files at your URL indicated below:

#### http://oldtown.glendon.yorku.ca/~yourname/2023/huma2655/takehome/sun/files/

Below is the screen capture (video). Your result should be similar to it. <a href="http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/lab/musescore-aud2midi.mp4">http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/lab/musescore-aud2midi.mp4</a>

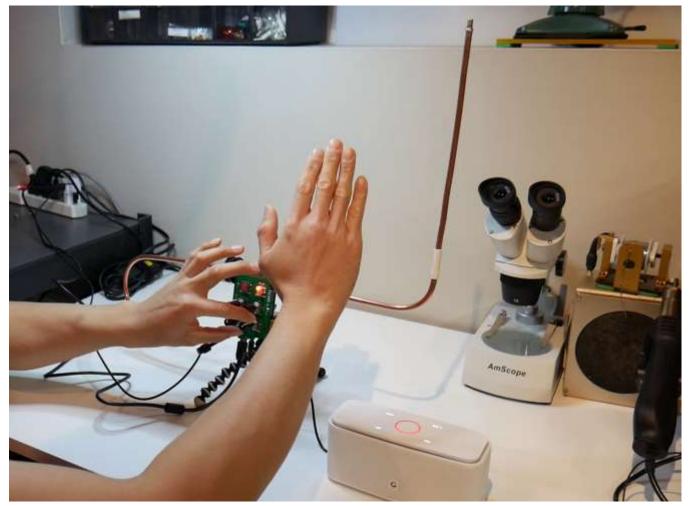
ii. Make a midi file and a PDF music sheet (using musescore) from the video: <u>http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/hw2/takehome/piano/AuClairdelaLune.mp4</u> Describe very briefly all your steps.



Nothing to hand in:

How does a moog theremin work?

A theremin's two antennae produce an electrical current, which can be disrupted by placing your hands near the antennae. This changes the sound that the theremin produces and allows the user to play music with their hands. From wikipedia.



Computer music itec/modr/huma2655. Image is from the public domain. Performance <u>link 1, link 2</u> Our corresponding multi-tracks music as generated by Al: <u>file1</u>, file 2.