

# 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

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## 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:

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

- Here is your hint to begin (pitch effect):

<http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/hw2/takehome/images/start-pitch.png>

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 & MUESCORE

- a. Watch the video at:

<http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/drake/>

Please describe what you hear/view. Can you make your URL at:

**<http://oldtown.glendon.yorku.ca/~yourname/2023/huma2655/takehome/drake/>**  
that looks exactly like my URL in (a) above.

- b.

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

- 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 MUESCORE to make the music score from the midi file piano.mid in a(ii).

Your result should look 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.

<http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/lab/musescore-aud2midi.mp4>

- ii. Make a midi file and a PDF music sheet (using musescore) from the video:

<http://oldtown.glendon.yorku.ca/~teaching/2023/huma2655/hw2/takehome/piano/AuClairdeLaLune.mp4>

Describe very briefly all your steps.

The end



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 [link 1](#), [link 2](#)  
Our corresponding multi-tracks music as generated by AI: [file1](#), [file 2](#).