

ECE160 Project 2

Due: In lab section, April 26 - 29

You must use a digital music composition system to compose and perform a piece of original music. You will create your own score for the music, and also the instructions to cause it to be performed.

You must use digital music composition software to compose and perform a piece of original music. The choice of package is up to you, but a simple digital music system should suffice. You will be manually entering notes into a staff or a track. Don't worry about not being musically inclined, the grading is not based on how beautiful it sounds, but more of the time/effort put into your composition.

- The duration of final audio clip is to be 20 seconds to 1 minute long. Keep it shorter if you're not musically inclined.
- Your software package must have the capability of having multiple tracks.
- Include at LEAST two tracks using different instruments / sounds. The tracks have to be mixed for playback i.e the notes from different instruments should all play simultaneously in your final audio clip.
- Include audio effects. For example pitch bend, delay, chorus, EQ, distortion, etc. Show that you made an effort to explore the possibilities.
- The clip needs to be demonstrated by you to the TA either on or before the due date in lab. You can also demonstrate it on your own laptop.
- You will be asked a range of questions such as instruments used, what types of effects were used and where they occur in your audio clip.

You will write a report describing what you did, how you did it, and include the score and other instructions to the music system. You will perform the music to the TA in the Lab, and you must include an audio file on a CD with your report. Your report should include the following (bullet format is okay):

- Audio codec (AAC, MP3, etc) and the reasons for the choice.
- A screen shot of your audio workspace showing your different tracks.
- Software used and the source for the software.
- Previous experience with audio editing software.
- Description of the steps you followed to get the final output.
- Effects used. Also include any effects that you explored but did not use.
- Final thoughts about the project.

To turn in:

- CD: Include the finished project exported to a readable format (.wav, .mp3, etc.),
- Hard copy of Report: 1-2 pages.