

MAT 120 — Extra Credit Project — Fall 2024

Extra Credit - worth 3 percentage points in final course grade.

Due date: Thursday, Dec 5

Pd Assignment:

1. Create a background ambient music loop that uses each of the following:
 - Melody with some element of randomness
 - A repeating harmonic bass line (less random)
 - A microtonal chromatic scale (not equal tempered)

Explain how each of the above items is implemented. Also explain, using what you have learned about probabilities, the probability of at least one pattern that can show up in your patch. This could be a small melody (sequence of notes) or a chord, or a rhythm, for example.

2. (Or) Redo project 2 in another language or environment, or project 1 but include the ability to play a Just Major Scale as well.