

# Math109/Music109M Project

The project should consist of original musical work consisting of a single composition of satisfying length or several shorter pieces. The composition(s) should demonstrate or utilize concepts covered in this course. For example the composition might involve several of these features:

1. Triplets, syncopations, or polyrhythm used creatively to form interesting rhythmic patterns.
2. Repeating and contrasting sections that result in a satisfying symmetry in the overall form.
3. Melodic figures that represent transformations such as translation, transposition, or retrogression
4. Melodic or rhythmic figures illustrating  $m$  against  $n$  patterns, or in some other way using ideas from modular arithmetic.
5. Harmonizations (with analysis) using the harmonies discussed in the course.
6. Utilization 12-tone row techniques. (Caution: Do not rely entirely on this feature.)

You are asked to submit your project by sending an email to [wright@wustl.edu](mailto:wright@wustl.edu) (David Wright). The project should consist of an mp3 sound file accompanying score(s) and documentation. The documentation should contain an essay explaining the features incorporated in the composition(s). Name your documents by your first initial and last name, as in `dwright`, followed by a suffix. The project is due on Monday, December 12, 2022.

**REMEMBER THAT THE PROJECT COUNTS FOR 15% OF THE FINAL GRADE.**