

MUMET 242—Computer Music III  
**Project 1 | MIDI Performance Patch**

**ASSIGNMENT:** to create a MIDI performance patch that utilizes the several different methods of data manipulation to control basic MIDI parameters. You will perform the resulting composition in class during a performance session.

**GENERAL GUIDELINES:**

1. This project will build upon the MIDI manipulation techniques that we have discussed in class. Your objective should be to use the data storage objects (tables, histograms, coll, umemu, etc) to control basic MIDI parameters (pitch, velocity, program change, duration). You may include an LCD with your patch if you wish. You should make every effort to be creative with this project. Draw upon your knowledge of experimental art music forms and unique beat-based compositions.
2. You should complete a composition to perform that is **ONE MINUTE** in length. Some elements to consider include: changing pitch ranges, durations, velocities both with in sections, and within gestures. Your composition should feature some real-time controls (either mapped to the keyboard or a MIDI device) and at least 3 different musical ideas.
3. Write a brief report (two pages, typed, double spaced, 12-point font, 1 inch margins) describing the sounds you created, any use of real-time control of your sounds, and significant DSP processes that you used. In your report, also briefly summarize the central organizing idea of the composition, and describe the formal structure. Make any other comments you feel are relevant.

**PROJECT SPECIFICATIONS:**

1. At least 5 controllable parameters. This may include pitch, velocity, duration, program changes, etc.
2. Your project should be at least 1 minute in duration.
3. Your project should make use of layering as means creating a complex sonic texture.

**FILE ORGANIZATION:**

1. Your Max patch should be labeled "*yourLastName\_yourFirstName\_MIDI*".
2. Your studio report should be labeled "*yourLastName\_MIDI\_12*".
3. All of these materials should be placed in a folder labeled "*yourLastName\_MIDI\_12*".
4. "*yourLastName\_FINAL\_21*" should be zipped into a folder.

**PLEASE TURN IN THE FOLLOWING MATERIALS:**

1. Max patch.
2. Your studio report, in PDF format.
3. Submit (via a file sharing site i.e. iLocker, yousendit, dropbox) by the due date.

**DUE: Feb 13<sup>th</sup> 2012.**

