

9-2013

# MUST 410.01: Computer Music Programming

Simon J. Hutchinson

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## Course Information

Course Title and Number:	Computer Music Programming, MUST 410
Meeting Times and Locations:	MW 2:10 - 3:00PM
Professor:	Dr. Simon Hutchinson
eMail:	simon.hutchinson@montana.edu
Office:	Room 203
Office Hours:	TBA

**MUST310 is a prerequisite for MUST410.**  
**If you have not yet taken MUST310, please join us again after you have.**

## Objectives

- Learn and implement advanced techniques of electronic music. Depending on student interest, these might include such topics as:
  - Advanced Custom Synthesis
  - Techniques of DSP
  - Real-time Performance Strategies
  - Advanced Mixing / Mastering
  - Designing Custom Sensor Interfaces
  - Circuit-Bending

## Texts

- Curtis Roads, *The Computer Music Tutorial* (available at the bookstore)
- I will post additional materials on Moodle: <http://umonline.umat.edu/>

## Other Required Materials

- Storage Media (in the form of thumb drives or portable hard drives)
- You must also keep up with correspondence to your University of Montana account

## Grading

410 is a project-based course where you will be using the Mountain Computer Music Workspace and Studio towards the completion of an original creative work or works.

Listening Journals (7): 21% (3% each)

Studio Usage: 20%

Assignment 1 – Max Revision: 10%

Assignment 2 – Reaktor Synth: 10%

Midterm Work-in-Progress Presentation: 10%

Final Project: 20%

Other readings/Preparation: 9%

Additionally, because classroom discussions are a valuable means of understanding course material, I will call roll or distribute a sign-in sheet at each lecture. **More than four absences will result in an automatic “No Pass.”**

There are no excused absences in this policy, as the reason for an absence does not change the result of missing class material.

### Concert Attendance / Paper Requirement

Your attendance is required at the following two concerts:

Friday, September 6<sup>th</sup>, 7:30PM – **Mountain Computer Music Festival**

Washington Park Amphitheater

Thursday, November 21<sup>st</sup>, 7:30PM – **New Music Missoula MRH**

In lieu of attending any concert, you may write a ten-page scholarly essay on a topic of my choosing (with full bibliographic references) as a surrogate for the concert experience. These papers are due before the end of the day on Friday of Week 15.

**Failure to attend a concert or submit the optional paper will prevent you from passing the class, no exceptions.**

I present these requirements in the syllabus at the beginning of the term, so that, if the concert dates or the papers post and issue, you have the option to drop the class and register for a different course or register for MUST 410 in a different semester when you are able to fulfill the course requirements.

### **Laptop Policy**

I do not permit the use of laptop computers (including iPads, Blackberries, Cellular Phones, etc.) during the lecture and discussion portions of the class. Our department is very interested in technology and its artistic and academic applications, but laptops are not appropriate for taking notes in this class, and we wish to avoid the potential for distraction to both laptop users and nearby students.

### **Cellphone Policy**

Students may **not** use cellular phones in class. Cell phones ringing in class are inappropriate, discourteous and disruptive. All devices must be set to silent. If your cell phone rings in class, the appropriate response is for you to promptly turn it off, quietly gather up your belongings, and leave for the day. Additionally, students may not engage in text messaging during class sessions.

### **Academic Honesty**

All work submitted in this course must be your own and produced exclusively for this course. The use of sources (ideas, quotations, paraphrases) must be properly acknowledged and documented. For the consequences of academic dishonesty, refer to the "Student Conduct Code" available here: [http://life.umt.edu/vpsa/student\\_conduct.php](http://life.umt.edu/vpsa/student_conduct.php).

We take violations very seriously and they will be noted on student disciplinary records. **We will not tolerate any dishonesty or plagiarism.** If you are in doubt regarding any aspect of these issues as they pertain to this course, please consult with me before you complete any relevant requirements of the course.

To be clear: **Digitally copying other students' work or parts of their work is plagiarism.** You are welcome to work together and help each other with assignments, but digitally copied files or portions thereof are very easy to detect and will result in you failing the course and possibly facing greater disciplinary action. **It is not worth it.**

### **Disability Services**

If you are a student with a disability who will require reasonable program modifications in this course, please meet with Disability Services for Students in Lommasson 154 for assistance in developing a plan to address program modifications. If you are already working with Disability Services arrange to meet with me during my office hours to discuss reasonable modifications that may be necessary. For more information, visit the Disability Services website at <http://www.umt.edu/disability>.