

**SCHOOL OF FINE ART AND MUSIC**  
**Winter Semester 2017**  
**MUSC\*2100-02**  
**CREATING MUSIC ON THE COMPUTER**



**INSTRUCTOR:** J. Harley  
**TIME:** Tuesday & Thursday; 2:30 –3:50 p.m.  
**LOCATION:** Alexander Hall, Room 071  
**OFFICE:** Alexander Hall, Room 187  
**PHONE:** Extension 52989  
**EMAIL:** jharley@uoguelph.ca  
**OFFICE HOURS:** Tuesday 4:00-5:00 p.m. or by appointment  
**LAB HOURS:** To be scheduled in the first week of classes

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**CALENDAR DESCRIPTION:**

An introduction to computer technologies as they apply to the creation and manipulation of music. Topics will be drawn from the areas of sound synthesis and processing, recording, encoding, and transcription. The course will include a classroom and an applied component.

*Prerequisite(s):* MUSC\*1180 or MUSC\*2180. Some computer experience is recommended.

**COURSE DESCRIPTION:**

To give students an overview of the scope of music technology through practical exposure to a variety of software and hardware components, along with their theoretical concepts, terminology, and relevant history, including important recordings.

**BACKGROUND SKILLS:**

Basic music theory and rudiments. Keyboard skills an asset. Performance skills on any instrument welcome. Rudimentary knowledge of computer operating systems.

**LEARNING OUTCOMES:**

To give students an overview of the scope of music technology through practical exposure to a variety of software and hardware components, along with their theoretical concepts, terminology, and relevant history, including important recordings.

**Aims:**

- To develop an understanding of concepts of digital audio and music technology that are more universal than the particulars of the equipment and software used in the course
- To learn about and apply some of the processes involved in making music with computers
- To listen to innovative electroacoustic works of all styles and learn to identify production techniques through critical aural analysis.

**REQUIRED TEXT:**

1. Hosken, Dan; *Music and Technology and the Project Studio: synthesis and sampling*; ISBN: 978-041587829. Published by: Routledge.

**METHOD OF EVALUATION:**

**Three Quizzes/Assignments (through Courselink), based on readings from the textbook and lectures:**

- 1) Due: January 31, 2017 before class meeting .....6%
- 2) Due: March 7, 2017 before class meeting .....6%
- 3) Due: April 4, 2017 before class meeting .....6%

**Two Listening Assignments:**

- 1) Due: Tuesday, February 21, 2017 before class meeting..... 6%
- 2) Due: Tuesday, March 21, 2017, before class meeting.....6%

**Ten Lab Assignment Projects, due weekly (highest 9 count): .....45%**

**Two Creative Music Projects**

- 1) Due: Thursday, February 23, 2017 before class meeting ..... 10%
  - 2) Due: Final Exam Period, Monday April 10, 2017, 7:00 – 9:00 p.m..... 15%
- Presentation of Creative Project Two

**SOFTWARE/HARDWARE:**

We will be working with a range audio software: Logic Pro, GarageBand, Live!, DSP-Quattro, T-Racks. We will also work with keyboard controllers, microphones, recorders, and mixers. It is expected that you will complete your work in the Lab.

**DIGITAL MUSIC LAB:**

1. Use of the lab is a privilege, not a right. Students are required to follow all lab protocols to ensure the safety and security of the equipment, and provide consistent working conditions for other users. Students who abuse the lab will not be allowed to continue using it.
2. The lab will be open according to the posted schedule. Only those students registered in approved courses will have access to the lab.

### **E-mail Communication**

As per university regulations, all students are required to check their <mail.uoguelph.ca> e-mail account regularly: e-mail is the official route of communication between the University and its students.

### **When You Cannot Meet a Course Requirement**

When you find yourself unable to meet an in-course requirement because of illness or compassionate reasons, please advise the course instructor (or designated person, such as a teaching assistant) in writing, with your name, id#, and e-mail contact. [See the undergraduate calendar for information on regulations and procedures for Academic Consideration.](#)

### **Drop Date**

The last date to drop one-semester courses, without academic penalty, is **Friday, 4 November 2016**. For [regulations and procedures for Dropping Courses, see the Undergraduate Calendar.](#)

### **Copies of out-of-class assignments**

Keep paper and/or other reliable back-up copies of all out-of-class assignments: you may be asked to resubmit work at any time.

### **Accessibility**

The University of Guelph is committed to creating a barrier-free environment. Providing services for students is a shared responsibility among students, faculty and administrators. This relationship is based on respect of individual rights, the dignity of the individual and the University community's shared commitment to an open and supportive learning environment. Students requiring service or accommodation, whether due to an identified, ongoing disability or a short-term disability should contact Student Accessibility Services as soon as possible. For more information, contact SAS at 519-824-4120 ext. 56208 or email [csd@uoguelph.ca](mailto:csd@uoguelph.ca) or see the [website](#).

### **Student Rights and Responsibilities**

Each student at the University of Guelph has rights which carry commensurate responsibilities that involve, broadly, being a civil and respectful member of the University community. [The Rights and Responsibilities are detailed in the Undergraduate Calendar](#)

### **Academic Misconduct**

The University of Guelph is committed to upholding the highest standards of academic integrity and it is the responsibility of all members of the University community – faculty, staff, and students – to be aware of what constitutes academic misconduct and to do as much as possible to prevent academic offences from occurring. University of Guelph students have the responsibility of abiding by the University's policy on academic misconduct regardless of their location of study; faculty, staff and students have the responsibility of supporting an environment that discourages misconduct. Students need

to remain aware that instructors have access to and the right to use electronic and other means of detection.

Please note: Whether or not a student intended to commit academic misconduct is not relevant for a finding of guilt. Hurried or careless submission of assignments does not excuse students from responsibility for verifying the academic integrity of their work before submitting it. Students who are in any doubt as to whether an action on their part could be construed as an academic offence should consult with a faculty member or faculty advisor. [The Academic Misconduct Policy is detailed in the Undergraduate Calendar.](#)

### **Recording of Materials**

Presentations which are made in relation to course work—including lectures—cannot be recorded or copied without the permission of the presenter, whether the instructor, a classmate or guest lecturer. Material recorded with permission is restricted to use for that course unless further permission is granted.

### **Resources**

The [Academic Calendars](#) are the source of information about the University of Guelph's procedures, policies and regulations which apply to undergraduate, graduate and diploma programs.