



MUSC*2100 Creating Music on the Computer

Fall 2019

Section(s): C01

School of Fine Art and Music

Credit Weight: 0.50

Version 1.00 - August 27, 2019

1 Course Details

1.1 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.

Pre-Requisites: MUSC*1180

1.2 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.

1.3 Timetable

Timetable is subject to change. Please see WebAdvisor for the latest information.

1.4 Final Exam

Exam time and location is subject to change. Please see WebAdvisor for the latest information.

2 Instructional Support

2.1 Instructional Support Team

Instructor: Cam McKittrick
Email: cmckittr@uoguelph.ca
Telephone: +1-519-824-4120 x56604

3 Learning Resources

3.1 Required Resources

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

4 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.

4.1 Course Learning Outcomes

By the end of this course, you should be able to:

1. 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
 2. To learn about and apply some of the processes involved in making music with computers
 3. To listen to innovative electroacoustic works of all styles and learn to identify production techniques through critical aural analysis.
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5 Teaching and Learning Activities

6 Assessments

6.1 Assessment Details

Three Quizzes/Assignments (15%)

Date: Sep 26, Oct 17, Nov 7.

Through Courselink

Two Listening Assignments (10%)

Date: Oct 1, Oct 29.

Based on Reserve/D2L recordings, submit to D2L.

Ten lab Assignments Projects (45%)

Date: due weekly (highest 9 count)

Two Creative Music Projects (25%)

One submitted to Dropbox (10%), Final exam (15%)

7 Course Statements

7.1 SOFTWARE/HARDWARE

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

7.2 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.

8 University Statements

8.1 Email Communication

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

8.2 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. The grounds for Academic Consideration are detailed in the Undergraduate and Graduate Calendars.

Undergraduate Calendar - Academic Consideration and Appeals

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-ac.shtml>

Graduate Calendar - Grounds for Academic Consideration

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

Associate Diploma Calendar - Academic Consideration, Appeals and Petitions

<https://www.uoguelph.ca/registrar/calendars/diploma/current/index.shtml>

8.3 Drop Date

Students will have until the last day of classes to drop courses without academic penalty. The deadline to drop two-semester courses will be the last day of classes in the second semester. This applies to all students (undergraduate, graduate and diploma) except for Doctor of Veterinary Medicine and Associate Diploma in Veterinary Technology (conventional and alternative delivery) students. The regulations and procedures for course registration are available in their respective Academic Calendars.

Undergraduate Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-drop.shtml>

Graduate Calendar - Registration Changes

<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/genreg-reg-regchg.shtml>

Associate Diploma Calendar - Dropping Courses

<https://www.uoguelph.ca/registrar/calendars/diploma/current/c08/c08-drop.shtml>

8.4 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.

8.5 Accessibility

The University promotes the full participation of students who experience disabilities in their academic programs. To that end, the provision of academic accommodation is a shared responsibility between the University and the student.

When accommodations are needed, the student is required to first register with Student Accessibility Services (SAS). Documentation to substantiate the existence of a disability is required; however, interim accommodations may be possible while that process is underway.

Accommodations are available for both permanent and temporary disabilities. It should be noted that common illnesses such as a cold or the flu do not constitute a disability.

Use of the SAS Exam Centre requires students to book their exams at least 7 days in advance and not later than the 40th Class Day.

For Guelph students, information can be found on the SAS website
<https://www.uoguelph.ca/sas>

For Ridgetown students, information can be found on the Ridgetown SAS website
<https://www.ridgetownc.com/services/accessibilityservices.cfm>

8.6 Academic Integrity

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 encourages academic integrity. 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.

Undergraduate Calendar - Academic Misconduct
<https://www.uoguelph.ca/registrar/calendars/undergraduate/current/c08/c08-amisconduct.shtml>

Graduate Calendar - Academic Misconduct
<https://www.uoguelph.ca/registrar/calendars/graduate/current/genreg/index.shtml>

8.7 Recording of Materials

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

8.8 Resources

The Academic Calendars are the source of information about the University of Guelph's procedures, policies, and regulations that apply to undergraduate, graduate, and diploma programs.

Academic Calendars
<https://www.uoguelph.ca/academics/calendars>