



UNIVERSITY OF CALGARY
FACULTY OF ARTS
SCHOOL OF CREATIVE AND PERFORMING ARTS
Course Number and Title: MUSI 255
Introduction to Music Technology
Session: Winter 2019

Instructor Office Email Office Hours	Adam Patrick Bell Craigie Hall F220 adam.bell@ucalgary.ca By appointment
Day(s),time(s) and location of Class	Craigie Hall F-202 Mondays and Wednesdays 11:00 – 11:50 IAML Fridays 11:00-11:50
Out of class activities	Field recording; lab use for projects
Learning resources: required readings, textbooks and materials	Students may choose to purchase materials for projects, but this is not a requirement of the course. Laptops, smartphones, and tablets are recommended, but not required; students will have access to the computer lab to work on assignments.
Prerequisites	none
Supplementary fees	N/A
Course description	An exploration of current technology for music making and appreciation including recording hardware and software, MIDI-based devices for integration with sound systems and interactive/media performance, audio file formats, score preparations and basic audition theory.
Course learning outcomes	By the completion of this course, successful students will be able to: 1. Possess an understanding of the history of the evolution and development of sound and music technology. 2. Understand the technical and theoretical foundations of sound and of a variety of technologies employed in music creation and performance. 3. Understand the role of technology in sound and music creation and performance as well as the importance of technological skills for communications and documentation activities important to a career in sound and music. 4. Understand the roles and uses of a variety of technologies for current music pedagogy. 5. Employ a variety of hardware and software technologies to create and perform music and sound art.
Course schedule	Note that the sequence of topics may be rearranged by the instructor (with the exception of final projects) Week 1 – 2 Introduction (Technology, Sound) Week 3 – 4 Capturing and Making Sound Week 5 – 6 New Instruments – Electronic Instruments Week 7 – 8 Composition and Notation Week 9 – 10 Network and Mobile Music and Communications Week 11 – 12 DIY and New Practices Week 13 Final Projects
Assessment components	Projects Value: 65% Type: posted online.

Due Date: TBD

Description:

1. The Song Machine (3 stages): 30%

This project can be done individually or as a group (maximum group size: 3). It has three distinct stages, with each stage having its own assessment component (typically each stage is worth 10%, but the distribution is somewhat flexible; however, no stage can be worth less than 5%). The purpose of the project is to develop students' proficiency with a digital audio workstation (DAW), especially the ability to create and edit MIDI and audio tracks. By the completion of the project, students will have completed a song or piece of music approximately 3 minutes in length (no less than 2 minutes, no more than 5 minutes). Self- and peer-assessment are a key component of the project.

2. Instrument Invention (3 stages): 30%

This project can be done individually or as a group (maximum group size: 3). It entails several steps, but the main components are idea generation, prototyping, and testing. Each stage has its own assessment component, including self- and peer-assessment. The purpose of the project is to develop students' design and programming skills. By the completion of the project, students will have designed and made an electronic music instrument using a MaKey MaKey prototyping device paired with software of their choice (different possibilities will be introduced in class).

3. Live Performance: 5%

Typically held during the last week of classes, students will perform live in class a piece of electronic music using "music technology"—broadly defined.

Individual Projects

Value: 35%

Type: posted online.

Due Date: TBD

Description:

1. Consistent and Active Participation in Class: 15%

Students are expected to attend all classes and actively participate in them. Students will be provided an interim grade at the midpoint of the class, and a final grade at the end of the semester. The grade will be out of 5 (5=A; 4=B, 3=C, 2.5=D, 1=F), with part marks possible.

2. Demonstrate & Discuss: 5%

Once in the semester, each student will give a 5-minute presentation on music technology in contemporary society. The presentation can be informal and requires minimal preparation. The key aspect of the presentation is to demonstrate how music technology is used in music making and facilitate a brief discussion with peers related to the topic.

3. Independent Project: 15%

	<p>Students will propose an independent project idea to the instructor following reading week for approval. Once approved, students will work on their independent projects and present the outcomes to their peers in the second-last week of classes. The assessment criteria will depend on the nature of each project, however, all independent projects are peer-reviewed qualitatively with the aim of providing constructive feedback.</p>																																				
<p>Assessment expectations</p>	<p><u>Guidelines for Submitting Assignments</u> All work will be submitted via D2L and/or posted on the student’s blog as directed by the instructor</p> <p><u>Criteria That Must Be Met To Pass</u> Assignments must demonstrate a sincere and imaginative engagement with the objectives and challenges of the creative or research exercise.</p> <p><u>Expectations for Writing:</u> Writing skills are important to academic study across all disciplines. Consequently, instructors may use their assessment of writing quality as a factor in the evaluation of student work. Please refer to the Undergraduate Calendar E.2 Writing Across the Curriculum policy for details.</p> <p><u>Guidelines for Formatting Assignments</u> Assignments should be formatted and prepared according to the specific instructions of the exercise.</p> <p><u>Late Assignments</u> The grade for assignments submitted more than one week late will be reduced by 2% per day.</p> <p><u>Expectations for Attendance and Participation:</u> Please refer to the Undergraduate Calendar E.3 Attendance for details. Participation includes regular attendance at classes, appropriate preparation and presentation of assignments, and active contributions to in-class discussions.</p>																																				
<p>Grading scale</p>	<p>For the course as a whole, letter grades should be understood as follows, as outlined in the section F.1.1 Undergraduate Grading System of the Undergraduate Calendar for 2017-2018:</p> <table border="1" data-bbox="456 1377 1490 1967"> <thead> <tr> <th>Grade</th> <th>Grade Point Value</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>A+</td> <td>4.00</td> <td>Outstanding performance</td> </tr> <tr> <td>A</td> <td>4.00</td> <td>Excellent performance</td> </tr> <tr> <td>A-</td> <td>3.70</td> <td>Approaching excellent performance</td> </tr> <tr> <td>B+</td> <td>3.30</td> <td>Exceeding good performance</td> </tr> <tr> <td>B</td> <td>3.00</td> <td>Good performance</td> </tr> <tr> <td>B-</td> <td>2.70</td> <td>Approaching good performance</td> </tr> <tr> <td>C+</td> <td>2.30</td> <td>Exceeding satisfactory performance</td> </tr> <tr> <td>C</td> <td>2.00</td> <td>Satisfactory performance</td> </tr> <tr> <td>C-</td> <td>1.70</td> <td>Approaching satisfactory performance.</td> </tr> <tr> <td>*D+</td> <td>1.30</td> <td>Marginal pass. Insufficient preparation for subsequent courses in the same subject</td> </tr> <tr> <td>*D</td> <td>1.00</td> <td>Minimal Pass. Insufficient preparation for subsequent courses in the same subject.</td> </tr> </tbody> </table>	Grade	Grade Point Value	Description	A+	4.00	Outstanding performance	A	4.00	Excellent performance	A-	3.70	Approaching excellent performance	B+	3.30	Exceeding good performance	B	3.00	Good performance	B-	2.70	Approaching good performance	C+	2.30	Exceeding satisfactory performance	C	2.00	Satisfactory performance	C-	1.70	Approaching satisfactory performance.	*D+	1.30	Marginal pass. Insufficient preparation for subsequent courses in the same subject	*D	1.00	Minimal Pass. Insufficient preparation for subsequent courses in the same subject.
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Academic accommodation	<p>Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services (SAS); SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit ucalgary.ca/access/. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor.</p> <p>The full policy on Student Accommodations is available at ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf</p>												
Academic integrity, plagiarism	<p>The University of Calgary is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are referred to the section on plagiarism in the University Calendar (ucalgary.ca/pubs/calendar/current/k-5.html) and are reminded that plagiarism—using any source whatsoever without clearly documenting it—is an extremely serious academic offence. Consequences include failure on the assignment, failure in the course and possibly suspension or expulsion from the university. You must document not only direct quotations but also paraphrases and ideas where they appear in your text. A reference list at the end is insufficient by itself. Readers must be able to tell exactly where your words and ideas end and other people’s words and ideas begin. This includes assignments submitted in non-traditional formats such as Web pages or visual media, and material taken from such sources. Please consult your instructor or the Student Success Centre (TFDL 3rd Floor) if you have any questions regarding how to document sources.</p>												
SCPA Librarian	<p>Marc Stoeckle, MLIS, BA Learning & Services Librarian for <i>School of Creative & Performing Arts</i> and <i>School of Languages, Linguistics, Literatures & Cultures</i> Libraries & Cultural Resources, University of Calgary Ph: 403.220.6777, Email: mstoeckle@ucalgary.ca, Office: TFDL 160D</p>												
Student misconduct	<p>ucalgary.ca/pubs/calendar/current/k-3.html</p>												
FOIP	<p>ucalgary.ca/legalservices/foip</p>												
Emergency evacuation	<p>Assembly points for emergencies have been identified across campus. THE PRIMARY ASSEMBLY POINT FOR CRAIGIE HALL IS THE PROFESSIONAL FACULTIES FOOD COURT. For more information, see the University of Calgary’s Emergency Management website: ucalgary.ca/emergencyplan/assemblypoints</p>												

Internet and electronic communication device	elearn.ucalgary.ca/category/d2/ ucalgary.ca/emergencyplan/emergency-instructions/uc-emergency-app The in-class use of computers may be approved by your Instructor. Cell phones and other electronic communication devices should be silenced or turned off upon entering the classroom. If you violate the Instructor's policy regarding the use of electronic communication devices in the classroom, you may be asked to leave the classroom; repeated abuse may result in a charge of misconduct. No audio or video recording of any kind is allowed in class without explicit permission of the Instructor.
Safewalk	220-5333 anytime. ucalgary.ca/security/safewalk
Students' union and ombudsperson contacts	Student Union: su.ucalgary.ca/about/who-we-are/elected-officials/ Faculty of Arts reps: arts1@su.ucalgary.ca ; arts2@su.ucalgary.ca ; arts3@su.ucalgary.ca ; arts4@su.ucalgary.ca Graduate Student's Association: ucalgary.ca/pubs/calendar/grad/current/graduate-students-association-gsa-grad.html Student Ombudsman: ucalgary.ca/ombuds/contact
Midterm and final examination scheduling	Final examinations may be scheduled at any time during the examination period (April 15 – 27 for Winter 2019) ; students should therefore avoid making prior travel, employment, or other commitments for this period. If a student is unable to write an exam through no fault of his or her own for medical or other valid reasons, documentation must be provided and an opportunity to write the missed exam may be given. Students are encouraged to review all examination policies and procedures: ucalgary.ca/registrar/exams/deferred_final
Deferrals of exams/term work	It is possible to request a deferral of term work or final examinations for reasons of illness, accident, family or domestic affliction, or religious obligations. Please check with your advisor if any of these issues make it impossible for you to sit an exam or finish term work by stated deadlines. ucalgary.ca/registrar/exams/deferred_final ucalgary.ca/pubs/calendar/current/g-6.html ucalgary.ca/pubs/calendar/current/g-7.html
SCPA Claim Your Seat Program: Student Guidelines	<ol style="list-style-type: none"> 1. The Claim Your Seat (CYS) program allows all University of Calgary students to attend on-campus School of Creative and Performing Arts (Dance, Drama and Music) events free of charge. 2. Depending on the performance, there is a limited number of seats available for CYS. There is not a guarantee that tickets will be available for all CYS patrons for every performance, based on audience size, demand, etc. 3. CYS tickets are a privilege. If a student receives a ticket to attend a performance, it is expected that they will respect the value of the admission and attend the performance. 4. Process for students: On the date of the performance, from the time the Box Office opens until 15 minutes prior to the performance start time, they arrive to the CYS table next to the Box Office and show their Unicaard. If students arrive after 15 minutes prior to the performance start time, they can go to the Box Office and purchase a ticket at the student rate. Students should not go to the Box Office unless they are purchasing a ticket. 5. If students have a course requirement to attend a performance for a specific date, access to the tickets will be communicated by the instructor to University Theatre Services prior to the event. The best guarantee for a free ticket is to arrive early, up to 45 minutes prior to the performance start time. 6. Respect for the Front of House and theatre staff, performers and fellow patrons is an absolute requirement. Failure to comply with this will lead to being asked to leave the venue and could result in the revoking of CYS privileges.
Academic standing	ucalgary.ca/pubs/calendar/current/f.html
Campus security	220-5333. Help phones: located throughout campus, parking lots, and elevators. They connect directly to Campus Security; in case of emergency, press the red button.
Copyright	It is the responsibility of students and professors to ensure that materials they post or distribute to others comply with the Copyright Act and the University's Fair Dealing Guidance for Students. Further copyright information for students is available on the Copyright Office web page (library.ucalgary.ca/copyright).

Faculty of Arts program advising and student information resources	<p>For academic advising, visit the Arts Students' Centre (ASC) for answers about course registration, graduation checks, and the 'big picture' on programs and majors. Drop in at SS102, email at ascarts@ucalgary.ca or call at 403-220-3580. You can also visit the Faculty of Arts website at arts.ucalgary.ca/undergraduate which has detailed information on common academic concerns.</p> <p>For academic success support, such as writing support, peer support, success seminars, and learning support, visit the Student Success Centre on the third floor of the Taylor Family Digital Library (TFDL), email them at success@ucalgary.ca or visit their website at ucalgary.ca/ssc/ for more information or to book an appointment.</p> <p>For enrolment assistance, including registration (add/drop/swap) changes, paying fees, and navigating your Student Centre, contact Enrolment Services at 403-210-ROCK [7625], by email at futurestudents@ucalgary.ca or visit them at the MacKimmie Block 117.</p>
Course outlines for transfer credit	<p>It is possible that you will be asked for copies of this outline for credit transfers to other institutions or for proof of work done. It is the student's responsibility to keep these outlines and provide them to employers or other universities when requested. Please ensure that outlines of all the courses you take are kept in a safe place for your future reference. Departments/Programs do not guarantee that they will provide copies.</p>
Letter of permission	<p>If you wish to study at another institution while registered at the U of C, you must have a letter of permission. You can submit your request through your Student Centre at MyUofC. Students must have the Letter of Permission before they take the course at another school. Failure to prepare may result in no credit awarded and could result in suspension from the faculty.</p>
Undergraduate associations	<p>DUS: Drama Undergraduate Society, CHC 005 uofcdus@gmail.com MUS: Music Undergraduate Society, CHF 219 undmusic@ucalgary.ca</p>