UNIVERSITY OF CALGARY
FACULTY OF ARTS
SCHOOL OF CREATIVE AND PERFORMING ARTS
MUSI 453 – Computer Applications in Music
Winter 2021

Instructor Office Email Office Hours	Abdullah Soydan Not applicable abdullah.soydan1@ucalgary.ca By appointment
Day(s),time(s) and location of Class	This course is asynchronous: lectures will be pre-recorded and posted on D2L. Synchronous sessions via Zoom: March 5 - 13:00 – 13:50 March 26 - 13:00 – 13:50 April 9 - 13:00 – 13:50
Learning resources: required readings, textbooks and materials	Readings will be assigned in class. Max (cycling74.com/products/max) will be the main programming environment used in this course. Since Max is a paid software, either a purchase of the program (250 USD) or a three-month subscription (3 x 9.99 USD) will be required to save projects after its 30-day trial period is over. Students can access the program for free in the Integrated Arts Media Lab (wpsites.ucalgary.ca/iaml/).
Learning Technologies and Requirements	There is a D2L site for this course which contains required readings and other relevant class resources and materials (see d2L.ucalgary.ca). In order to successfully engage in their learning experiences at the University of Calgary, students taking online, remote and blended courses are required to have reliable access to the following technology: - A computer with a supported operating system, as well as the latest security, and malware updates; - A current and updated web browser; - Webcam (built-in or external); - Microphone and speaker (built-in or external) or headset with microphone; - Current antivirus and/or firewall software enabled; - Broadband internet connection. Most current laptops will have a built-in webcam, speaker and microphone.
Prerequisites	None
Course description	Use of computers in music composition, performance, education and interdisciplinary media. An introduction to concepts and techniques of computer music with an emphasis on interactive applications and programming. Through the completion of a series of applied creative projects, students will acquire a basic understanding of various creative and technical approaches to the use of computers in sound and music.

Course learning outcomes	By the completion of this course, successful students will be able to: 1. demonstrate knowledge of practical concepts and techniques for sound programming and design 2. demonstrate interactive design between external controllers and the Max environment 3. understand the technical and theoretical foundations of digital audio 4. employ a variety of hardware and software technologies to create and perform music and sound works
Assessment components	Assignment 1: Assessment Method: Creative Project #1 Description: Creative project employing fundamental audio synthesis techniques Weight: 20% Due Date: February 1 Assignment 2: Assessment Method: Test #1 Description: Examination of the topics and concepts covered in the class. Test will be made available on D2L and the students will have 24 hours to complete it. Weight: 10% Due Date: February 12 Assignment 3: Assessment Method: Creative Project #2 Description: Creative project focusing on sound file manipulation techniques and sequencing Weight: 20% Due Date: March 1 Assignment 4: Assessment Method: Test #2 Description: Examination of the topics and concepts covered in the class. Test will be made available on D2L and the students will have 24 hours to complete it. Weight: 15% Due Date: March 17 Assignment 5: Assessment Method: Class presentation Description: Presentation on selected topics Weight: 15% Due Date: March 26 Assignment 6: Assessment Method: Creative Project #3 Description: Creative projects focusing on interactive music/sound performance Weight: 20% Due Date: April 9
Assessment expectations	Guidelines for Submitting Assignments: All written and audio assignments can be submitted to the instructor via D2L Dropbox or via e-mail (large audio files must be sent via a link). Missed or Late Assignments:

	The grade for the assignments submitted within the week after the due date will be reduced by 25%. Assignments submitted more than one week late will not be accepted. Expectations for Writing: 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.
Grading scale	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 Calendar: https://www.ucalgary.ca/pubs/calendar/current/f-1.html. • A grade of "C-" or below may not be sufficient for promotion or graduation, see specific faculty regulations. • The number of "D" and "D+" grades acceptable for credit is subject to specific undergraduate faculty promotional policy. • Late assignments will be accepted up to 1 week after the due date with a 25% penalty. Assignments submitted more than one week late will not be graded. • The following percentage-to-letter grade scale will be used: A+ 96-100 A 91-95 A- 86-90 B+. 81-85 B. 76-80 B- 71-75 C+ 67-70 C 62-66 C- 58-61 D+ 54-57 D 50-53 F 0-49
Guidelines for Zoom Sessions	Zoom is a video conferencing program that will allow us to meet at specific times for a "live" video conference, so that we can have the opportunity to meet each other virtually and discuss relevant course topics as a learning community. To help ensure Zoom sessions are private, do not share the Zoom link or password with others, or on any social media platforms. Zoom links and passwords are only intended for students registered in the course. Zoom recordings and materials presented in Zoom, including any teaching materials, must not be shared, distributed or published without the instructor's permission. The use of video conferencing programs relies on participants to act ethically, honestly and with integrity; and in accordance with the principles of fairness, good faith, and respect (as per the Code of Conduct). When entering Zoom or other video conferencing sessions (such as MS Teams), you play a role in helping create an effective, safe and respectful learning environment. Please be mindful of how your behaviour in these sessions may affect others. Participants are required to use names officially associated with their UCID (legal or preferred names listed in the Student Centre) when engaging in these activities. Instructors/moderators can remove those whose names do not appear on class rosters. Non-compliance may be investigated under relevant University of Calgary conduct policies (e.g Student Non-Academic Misconduct Policy). If participants have difficulties complying with this requirement, they should email the instructor of the class explaining why, so the instructor may consider whether to grant an exception, and on what terms. For more information on how to get the most out of your zoom sessions visit: https://elearn.ucalgary.ca/guidelines-for-zoom/ . If you are unable to attend a Zoom session, please contact your instructor to arrange an alternative activity for the missed session (e.g., to review a recorded session). Please be prepared, as best as you are able, to join class in a quiet space that will allow you to be fully present and engaged in Zoom sessions. Students will be advised by their instructor when they are expected to turn on their webcam (for group work, presentations, etc.).

	The instructor may record online Zoom class sessions for the purposes of supporting student learning in this class – such as making the recording available for review of the session or for students who miss a session. Students will be advised before the instructor initiates a recording of a Zoom session. These recordings will be used to support student learning only and will not be shared or used for any other purpose.
Academic Accommodation	It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The Student Accommodations policy is available at https://ucalgary.ca/student-services/access/prospective-students/academic-accommodations. Students needing an accommodation based on disability or medical concerns should contact Student Accessibility Services (SAS) in accordance with the Procedure for Accommodations for Students with Disabilities (https://www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities.pdf). 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. 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 www.ucalgary.ca/access/ .
Academic integrity, plagiarism	Academic Misconduct refers to student behavior which compromises proper assessment of a student's academic activities and includes: cheating; fabrication; falsification; plagiarism; unauthorized assistance; failure to comply with an instructor's expectations regarding conduct required of students completing academic assessments in their courses; and failure to comply with exam regulations applied by the Registrar. For information on the Student Academic Misconduct Policy and Procedure please visit: https://ucalgary.ca/policies/files/policies/student-academic-misconduct-policy.pdf and https://ucalgary.ca/policies/files/policies/student-academic-misconduct-procedure.pdf. Additional information is available on the Academic Integrity Website at https://ucalgary.ca/student-services/student-success/learning/academic-integrity.
Internet and electronic communication device	The use of laptop and mobile devices is acceptable when used in a manner appropriate to the course and classroom activities. Please refrain from accessing websites and resources that may be distracting to you or for other learners during class time. Students are responsible for being aware of the University's Internet and email use policy, which can be found at https://www.ucalgary.ca/policies/files/policies/electronic-communications-policy.pdf
Intellectual Property	Course materials created by instructors (including presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the instructor. These materials may NOT be reproduced, redistributed or copied without the explicit consent of the instructor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing.
Copyright	All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (**www.ucalgary.ca/policies/files/policies/acceptable-use-of-material-protected-by-copyright.pdf**) and requirements of the copyright act (**https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html**) to ensure they are aware of the consequences of unauthorised sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Policy https://www.ucalgary.ca/pubs/calendar/current/k.html.
Freedom of Information and Protection of Privacy	Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

Student Support	Please visit this link for important information on UCalgary's student wellness and safety resources: https://www.ucalgary.ca/registrar/registration/course-outlines