CAMOSUN COLLEGE
School of Arts & Science
Music Department

MTEC-224-DX01
Introduction to Computer Music
2021S

COURSE OUTLINE

The course description is online at http://camosun.ca/learn/calendar/current/web/mtec.html

Ω *Please note: This outline will <u>not</u> be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.*

1. Instructor Information

(a)	**Instructor:**	Dr. Jonathan Haek
(b)	**Office Hours:**	By appointment only (Arrange over e-mail)
(c)	**Location:**	Online on course website in Desire2Learn (D2L)
(d)	**Phone Number:**	None (Please use e-mail)
(e)	**E-mail:**	Use internal D2L address in e-mail function on website
(f)	**Website:**	https://online.camosun.ca/ (Login to D2L for access)

2. Intended Learning Outcomes

Upon completion of this course a student will be able to:

1. Produce a brief work for music and multi-media using graphical programming language.
2. Create "patches" using the basic digital synthesis techniques.
3. Produce moderately complex musical examples demonstrating the effective use of computer music techniques.
4. Identify and discuss the attributes and application of computer music techniques in contemporary usage.

3. Required Materials

(a) **Textbook:** None. All readings provided on course website (see Section 1f above).

(b) **Hardware:** <u>As specified on the course website</u>: Laptop or desktop computer (not Chromebook), speakers or headphones, MIDI keyboard, other equipment such as microphone or audio interface (if necessary).

(c) **Software:** <u>As specified on the course website</u>: Csound, Max 8, REAPER (or other DAW), Blue Cat Audio Plug-ins, and LAME encoder. **Please wait to purchase, download, and install any new software until directed to do so on the course website.**

(d) **Other:** Internet access to the course website on D2L. Administrative permissions to install software on the computer being used for the course.
See Section 7, Recommended Materials, below for supplementary course resources.

4. Course Content and Schedule

Dates: 7 Weeks, May 3 - June 19. Plus, June 21-23 for final project submission.

Class Location: Distance Learning, the Camosun College Desire2Learn (D2L) online platform.

Class Meeting Times: Asynchronous Distance Learning, self-paced weekly Modules.

Holidays: Week 4, Monday, May 24: Victoria Day.

(a) The average amount of time spent working on materials for this course is 4 hours per week. The weekly schedule on Page 6, below, outlines the weekly/biweekly modules of content that are to be completed in order. For each week of the term, topics and assessments are described.

(b) Section 5, below, outlines the basis of student assessment. The **participation** portion of your grade consists of class discussions and online self assessment quizzes. The **exercises** portion of your grade consists of written listening exercises. The **homework** portion of your grade consists of hands-on assignments. The **project** portion of your grade consists of the final course project. Assessments within each category (participation, exercises, homework, and project) are weighted equally.

(c) In order to receive full credit for each of the graded assessments, you must submit them by their respective due dates and times. In the event you do not meet a submission deadline and you have not been given an extension (see Section 4d below), I will accept your late work with penalty. Points will be deducted for **each day** an assignment is late (2 per day, up to a maximum of 30 deducted). Please do your best to submit your work as soon as you have completed it, even if the deadline has passed.

4. Course Content and Schedule (Continued)

(d) Missing class for holidays or illness is not a concern for this online course. You may, however, experience illness that prevents you from meeting a submission deadline. In this case, if you wish to receive an extension, you must promptly forward documentation to the instructor from a doctor (or certified healthcare professional), preferably before the deadline passes. This documentation is required to include a clear statement from your doctor of WHAT you could not do and WHEN you could not do it (e.g., "Student was bedridden from June 5-7," or "Student will not be able to use right hand for two weeks, June 1-15"). It is not necessary to disclose the reason for your illness. Upon approval of your doctor's note, accommodations within reason will be made to help you complete missed work. Note: **It is your responsibility to be aware of assessment deadlines and to pace your weekly progress so that you are able to meet these deadlines.**

5. Basis of Student Assessment

(a) **Participation:** Discussions, Self Assessments   **32% of course mark**

(b) **Exercises:** Computer Music Listening Exercises   **36% of course mark**

(c) **Homework:** Max/MSP, Csound   **16% of course mark**

(d) **Project:** Final Course Project   **16% of course mark**

6. Grading System

| X | Standard Grading System (GPA)

| | Competency Based Grading System

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3

60-64	C		2
50-59	D		1
0-49	F	Minimum level has not been achieved.	0

6. Grading System (Continued)

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy at http://camosun.ca/about/policies/index.html for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	*Incomplete*: A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	*In progress*: A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
CW	*Compulsory Withdrawal*: A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

7. Recommended Materials to Assist Students to Succeed Throughout the Course

(a) **Optional Hardware:** As specified on the course website: Synthesizer.

(b) **Optional Software:** As specified on the course website: QuickTime Player, iTunes, GarageBand (for Mac users only), and other DAW software such as Reason Essentials and Ableton Live.

(c) Should problems or difficulties with the course materials arise, please contact the instructor as soon as possible. Suggestions for extra help customized to your specific needs will be provided.

8. College Supports, Services, and Policies

Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g., illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Visit http://camosun.ca/about/mental-health/emergency.html or http://camosun.ca/services/sexual-violence/get-support.html#urgent for resource contacts.

College Services

Camosun offers a variety of health and academic support services, including counselling, a dental clinic, the Centre for Accessible Learning, help centres, learning skills guides, sexual violence support and education, the library, and the writing centre. For more information about each of these services,

visit the STUDENT SERVICES link on the College website at http://camosun.ca/ or visit http://camosun.ca/services for the full directory of services.

8. College Supports, Services, and Policies (Continued)

College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available at http://camosun.ca/policies on the College website. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

ACADEMIC INTEGRITY POLICY

> There is an Academic Integrity Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services, and on the College website in the Policy Section.
> http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf

Weekly Schedule:

The following schedule provides an outline of weekly progress through the course Modules. Due dates for the assessments will be announced online. **Important Note:** Weeks in MTEC 224 will begin on <u>Mondays at 12:00 AM</u>, and end on <u>Sundays at 11:59 PM</u>.

Week 1:   May 3-9   **Course Orientation Module**.
Module 1. Topics include: history of computer music.
     Discussion
     Listening Exercise

Week 2:   May 10-16   **Module 2**. Topics include: digital audio, waveforms, and spectra.
     Discussion
     Listening Exercise

Week 3:   May 17-23   **Module 3**. Topics include: computer music terminology.
     Discussion
     Listening Exercise
     Self Assessment

Week 4:   May 24-30   **Module 4**. Topics include: sound synthesis techniques.
     Discussion
     Self Assessment
(Holiday: Monday the 24th is Victoria Day)

Week 5:   May 31-June 6   **Module 5**. Topics include: music-synthesis programming languages.
     Discussion
     Homework

Week 6:   June 7-13   **Module 6**. Topics include: computer music instrument examples.
     Discussion
     Homework

Week 7:   June 14-20   **Module 7**. Final Project.
Individual Feedback Period.
     Computer Music Composition Project

Final Project Period: June 21-23. <u>All final submissions due Wednesday, June 23, 11:59 PM</u>.