



**MUSI 451 - revised March 16, 2020**  
**Electroacoustic Music**  
**Winter 2020**

Instructor David Eagle Email [eagle@ucalgary.ca](mailto:eagle@ucalgary.ca)  
Office CH-E211A Office Hour by appt  
Schedule class: MWF 1:00 Mon in AB 657, Wed & Fri in IAML.  
required independent studio time in Sonic Arts Lab: 3 hours per week

Updated: From March 16 through to the end of the semester the Sonic Arts Lab is closed.  
Instead we will have online classes and video conferences using Zoom and other tools accessed through D2L.

Conceptual and hands-on approaches to electroacoustic and computer music.

The course comprises:

- essential studio and computer techniques
- studio composition with Macintosh computers and electroacoustic media
- survey, analysis and interpretation of electroacoustic repertoire

Topics to be studied:

- analog and digital studio techniques, recording techniques
- MIDI mapping and performance techniques, *ROLI Seaboard* and *Equator*
- electroacoustic composition concepts and techniques
- electroacoustic and acousmatic aesthetics, repertoire and history
- software: *Logic Pro*, *Amadeus Pro*, *Max*, *Sonic Visualiser*, *Spatgris*, *Audacity*, *Reaper*
- techniques of sound synthesis, sampling, multi-track mixing, audio/MIDI synchronization
- multi-channel studio composition and sound spatialization
- introduction to software control using the iPad and other devices
- interpretation and live diffusion of electroacoustic music in concert
- digital audio and MIDI theory and practice

Projects and assessment:

- Three electroacoustic études (due Mon Jan 27, Mon Feb 10, Mon March 9) 40%
- Analysis of an electroacoustic work – PDF & Zoom presentation (March 16-23) 10%
- Two tests (Fri Feb 14, Fri March 27) 20%
- An étude using open source audio software *Audacity* & *Reaper* (April 3) 10%
- \*Optional final stereo electroacoustic work (due April 15) 20%

Participation includes regular class presentation of work-in-progress and etudes, listening to repertoire, assigned readings, discussion of course topics, work in class lab.

Etudes and final stereo work must be realized according to professional standards and if before March 16 presented in class. After March 16, please submit assignments to the D2L dropbox.

\*Final grade will be based on 80% or 100% completion of course.

Late submissions will lose 20% of the grade and will not be accepted after one week.

Grading scale:

A+ = 100-96	A = 95-91	A- = 90-86	B+ = 85-81	B = 80-76	B- = 75-71
C+ = 70-67	C = 66-62	C- = 61-58	D+ = 57-54	D = 53-50	F = 49%

Materials: good enclosed headphones, USB flash drive. There is no final exam.



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Projects and assessment:

- Three electroacoustic études (due Mon Jan 27, Mon Feb 10, Mon March 9) 40%
- Interpretation / live diffusion of an electroacoustic work (March 16-23) 10%
- Analysis of an electroacoustic work – web document & presentation (March 16-23) 10%
- Two tests (Fri Feb 14, Fri March 27) 20%
- Final multi-channel electroacoustic work (due April 8) & presentation (April 8, 13, 15) 20%

Participation includes regular class presentation of work-in-progress and etudes, listening to repertoire, assigned readings, discussion of course topics, work in class lab.

Etudes and final multi-channel work must be realized according to professional standards and presented in class. Selected works may be presented in concert.

Late submissions will lose 20% of the grade and will not be accepted after one week.

Grading scale:

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Materials: good enclosed headphones, USB flash drive. There is no final exam.

Assessment expectations	<p><b>Expectations for Writing:</b> 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>																																							
Grading scale	<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 <a href="#">2019-2020</a> OR as outlined in the section H.1 Distribution of Grades of the Graduate Calendar for <a href="#">2019-2020</a>:</p> <table border="1"> <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> <tr> <td>F</td> <td>0.00</td> <td>Failure. Did not meet course requirements.</td> </tr> </tbody> </table> <p>Several Faculties utilize an F grade that does not carry weight in calculating the grade point average. This will be noted in the calendar description as “Not Included in GPA” where applicable.</p> <p>**I 0.00 Incomplete. Sufficient work has not been submitted for evaluation, unable to adequately assess. May also be used when a final exam is not submitted.</p> <p>CR Completed Requirements. Carries no weight in calculating the grade point average. This will be noted in the calendar description as “Not Included in GPA” where applicable</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• A grade of "C-" or below may not be sufficient for promotion or graduation, see specific faculty regulations.</li> <li>• The number of "D" and "D+" grades acceptable for credit is subject to specific undergraduate faculty promotional policy.</li> </ul>	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.	F	0.00	Failure. Did not meet course requirements.
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Student Support	<p>Please visit this link for a concise list of UCalgary’s student support services: <a href="https://www.ucalgary.ca/registrar/registration/course-outlines">https://www.ucalgary.ca/registrar/registration/course-outlines</a></p>																																							
Academic Accommodation	<p>Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; 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 <a href="http://www.ucalgary.ca/access/">www.ucalgary.ca/access/</a>. 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. The full policy on Student Accommodations is available at <a href="http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf">http://www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf</a>.</p>																																							

Academic integrity, plagiarism	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 ( <a href="http://ucalgary.ca/pubs/calendar/current/k-3.html">ucalgary.ca/pubs/calendar/current/k-3.html</a> ; <a href="http://ucalgary.ca/pubs/calendar/current/k-5.html">ucalgary.ca/pubs/calendar/current/k-5.html</a> ) 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.
Internet and electronic communication device	<a href="http://elearn.ucalgary.ca/category/d2l/ucalgary.ca/emergencyplan/emergency-instructions/uc-emergency-app">elearn.ucalgary.ca/category/d2l/ucalgary.ca/emergencyplan/emergency-instructions/uc-emergency-app</a> 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.
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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.