



UNIVERSITY OF CALGARY
FACULTY OF ARTS
DEPARTMENT OF ART AND ART HISTORY
Art 317 L01 Electronics for Artists
Winter 2026

Course Delivery Format:	<i>In person</i>
Instructor: Email: Office Hours: TA Name and Email:	<i>Dr. J. Parker</i> jparker@ucalgary.ca Tue Thu 10:00 AM None
Day(s), time(s):	<i>Lecture TT 11:15-12:30</i> <i>Lab 12:30 – 1:45 PM</i>
Course description:	Theoretical and practical applications of basic electronic principles and techniques involving the use of electronics in contemporary art practices. Will include applied experiences with hardware and visual programming environments.
Prerequisites and/or co-requisites:	One half course in Art or consent of the Department.
Course Objectives:	<p>Some modern artworks (installations, some performance art) use electricity or electronics as an enabling technology. Knowledge of electronics will help an artist imagine and design such works, and practical knowledge of parts and construction methods will allow an artist to undertake these projects without technical assistance. The material presented in this course will allow an artist to design and build artworks that feature electronics. In particular, upon successful completion of this course students will:</p> <ol style="list-style-type: none"> 1. Understand the basic properties of electricity and the properties of electronic components. 2. Be able to design electronic circuits that control lights and sounds. 3. Understand how to use resistors, capacitors, diodes and transistors. 4. Have a basic knowledge of digital circuit components and design. 5. Be able to use transducers like LEDs, microphones, photodiodes/phototransistors, and others.
Required Textbooks of Readings:	
Course Schedule:	Lecture schedule will be available at http://gen-art.ca/art317

Assignments & Evaluation

Assignment	Description	Due Date	Worth (%)
1	Art project involving electronics as a subject. A painting, a drawing, a sculpture, etc. (Feb 24)	March 17	15
2	An artwork involving electronics that will be displayed at the end of term gallery exhibition.	April 6	25
<i>Studio exercises</i>	Vary each week, in the studio.	Weekly	35
<i>Final Examination</i>	Take home examination	April 14	25

Models request:	<i>No.</i>								
Technical and Supplies Request:	<p><i>This information will be removed after the course outlines final edit. Please email the technicians directly with your requests. Deadline for requests is generally 3 weeks before the start of class.</i></p> <table border="1"> <tr> <td>Technical Lead, Multidisciplinary</td> <td>Alex Linfield • alex.linfield@ucalgary.ca</td> </tr> <tr> <td>Technical Lead, Workshop</td> <td>Steve Nunoda • steven.nunoda@ucalgary.ca</td> </tr> <tr> <td>Technical Lead, IAML</td> <td>Anthony Reimer • iaml@ucalgary.ca</td> </tr> <tr> <td>Technical Lead, Photography</td> <td>Louie Villanueva • lhvillan@ucalgary.ca</td> </tr> </table>	Technical Lead, Multidisciplinary	Alex Linfield • alex.linfield@ucalgary.ca	Technical Lead, Workshop	Steve Nunoda • steven.nunoda@ucalgary.ca	Technical Lead, IAML	Anthony Reimer • iaml@ucalgary.ca	Technical Lead, Photography	Louie Villanueva • lhvillan@ucalgary.ca
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Assessment expectations:	<p><u>Guidelines for Submitting Assignments:</u> Please hand in your assignments directly to your instructor via Email of other agreed on on-line mechanism. If this is not possible, you can use the drop box outside of AB 608. Assignments that are put into the drop box will be date-stamped and placed in the instructor's mailbox.</p> <p><u>Missed or Late Assignments:</u> <i>Studio assignment are due on the Friday of the week they are assigned..</i></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>								
Additional Costs and Information:	<i>Students will pay for their own printing. Kits of parts must be provided by the student.</i>								
Portfolios and Assignments:	The Department of Art and Art History will not assume responsibility for lost or stolen portfolios or course work given to instructors for grading.								
Studio Procedures:	<p>All students are required to adhere to university standards of Integrity and Conduct; in addition, participants in studio courses must follow guidelines in the DAAH Studio Usage Regulations and the mandatory Safety Orientation. After reviewing the orientation, participants must complete and return a Safety Questionnaire to the department technicians within one week of the start of classes. Participants who have already completed the orientation within the past year are exempt. View and complete the Usage Regulations, Safety Orientation and Safety Questionnaire. This can also be found on the course D2L page.</p> <p>Please view current updates from RISK and the Covidsafe page links to information on rapid testing, masking rules, vaccination regulations and documentation as well as a FAQs page, which must all be followed while in Studios.</p>								

Other Important Dates

For more information on term dates, add/drop/swap/withdraw dates from course deadlines and refund/payment deadlines, please view the [academic schedule](#).

Grading Method and Grading Scale

Undergraduate:

- 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.

Percentage	Grade	G.P.V.	Grade Definition
96-100	A+	4.0	Outstanding performance
90-95	A	4.0	Excellent-superior performance, showing comprehensive understanding of subject matter.
85-89	A-	3.7	Approaching excellent performance
80-84	B+	3.3	Exceeding good performance
75-79	B	3.0	Good – clearly above average performance with knowledge of subject matter generally complete.
70-74	B-	2.7	Approaching good performance
65-69	C+	2.3	Exceeding satisfactory performance
60-64	C	2.0	Satisfactory – basic understanding of the subject matter.
55-59	C-	1.7	Approaching satisfactory performance
53-54	D+	1.3	Marginal Pass. Insufficient preparation for subsequent courses in the same subject
50-52	D	1.0	Minimal pass – marginal performance; generally insufficient preparation for subsequent courses in the same subject.
0-49	F	0	Fail – Failure to meet course requirements.

Graduate:

- All grades of "C+" or lower are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements. Individual programs may require a higher passing grade.

Learning Technologies and Requirements	<p>There is a D2L site for this course which contains required readings and other relevant class resources and materials (d2L.ucalgary.ca).</p> <p>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:</p> <ul style="list-style-type: none"> • 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
Academic Accommodation	<p>It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. Student Accommodations policy. 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.</p> <p>Students who require an accommodation in relation to their coursework or to fulfill requirements for a graduate degree, 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.</p>

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. Students must adhere to the instructor's course policy regarding the use of A.I. generated content in course work. Unsanctioned use of A.I. generated content in course work may be reported as academic misconduct. For information view the Student Academic Misconduct Policy and Procedure
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 .
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. Recording of lectures is prohibited. Audio recording of lectures may be accommodated at the instructor's discretion and through Student Accessibility Services (E.6). 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 and requirements of the copyright act to ensure they are aware of the consequences of unauthorized 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 .
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. View the privacy policy .
Ethics	Whenever you perform research with human participants (i.e., surveys, interviews, or observation) as part of your university studies, you are responsible for following university research ethics guidelines . Your instructor must review and approve of your research plans and supervise your research.
Student Support and Safety	Student Success Centre provides inclusive advising and academic support services. To foster a safe, prepared campus, all UCalgary students, postdocs, faculty, staff, and guests should download and use the UCSafety app .
Arts Students' Centre Program Advising	Have a question but not sure where to start? The Arts Students' Centre is your information resource for everything in the Faculty of Arts. Call us at 403-220-3580 or email us at ascarts@ucalgary.ca . You can also receive detailed information on common academic concerns and advising.
Faculty of Graduate Studies	For graduate studies email: graduate@ucalgary.ca or call 403 220 4938. Visit the Faculty of Graduate Studies .