

### Course Outline

**CMDA603.03 W20: *Projects: Real Artists Ship***

**M10:00 - 13:00; MS 221**

**Instructor: Patrick Finn**

**Contact: MS208 / [pfinn@ucalgary.ca](mailto:pfinn@ucalgary.ca) / 403-220-6455**

**Office Hours: by appointment**

### Course Description

Computational Media Design (CMD) is a program that combines first order artistic creation with first order science. Our primary means of knowledge production is creation. Developing tools, technologies or works of art is our central purpose. In this class, students will develop a project stemming from their thesis work, or in a cognate area requiring additional development time.

### Note

Students are required to use their official university account for all course communication.

### Prerequisites

Admission to the CMD program in either Masters of Ph.D. streams, or permission of the instructor.

### Grading

The University policy on grading and related matters is described in [F.1](#) and [F.2](#) of the online University Calendar. In determining the overall grade in the course, the following weights will be used:

Component(s)	Weighting %	Date
Research Project Pitch	10	Jan 30
First Iteration & Critique	20	Feb 10
Revised Project & Critique	30	Mar 2
Final Project & Critique	40	Apr 6

Each piece of work (reports, assignments, quizzes, midterm exam(s) or final examination) submitted by the student will be assigned a grade. The student's grade for each component listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

The conversion between a percentage grade and letter grade is as follows.

	A+	A	A-	B+	B	B-	C+	C	C-	D+	D
Min. Required %	95 %	90 %	87 %	84%	81%	78 %	75 %	71%	68%	65 %	60 %

**Missed Components of Term Work:**

In the event that a student misses the any course work due to illness, supporting documentation, such as a medical note or a statutory declaration will be required (see [Section M.1](#); for more information regarding the use of statutory declaration/medical notes, see [FAQ](#)). Absences must be reported within 48 hrs. The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in [Section 3.6](#). It is the student's responsibility to familiarize themselves with these regulations. See also [Section E.3](#) of the University Calendar.

**Scheduled Out-of-Class Activities**

There are no scheduled out-of-class activities for this course, but significant lab or research time will be required.

**Course Materials**

Course materials will be provided in-class.

**Examination Policy**

Students should read the Calendar, [Section G](#), on Examinations.

**Approved Mandatory and Optional Course Supplemental Fees**

There are no mandatory or optional course supplemental fees for this course.

**Writing Across the Curriculum Statement**

For all components of the course, in any written work, the quality of the student's writing (language, spelling, grammar, presentation etc.) can be a factor in the evaluation of the work. See also [Section E.2](#) of the University Calendar.

**Human Studies Statement**

Students will not participate as subjects or researchers in human studies. See also [Section E.5](#) of the University Calendar.

**Reappraisal of Grades**

A student wishing a reappraisal, should first attempt to review the graded work with the course coordinator/instructor or department offering the course. Students with sufficient academic grounds may request a reappraisal. Non-academic grounds are not relevant for grade reappraisals. Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See [Section I.3](#) of the University Calendar.

**Term Work Reappraisal**

The student should present their rationale as effectively and as fully as possible to the course coordinator/instructor within **15 days** of either being notified about the mark, or of the item's return to the class. If the student is not satisfied with the outcome, the student shall immediately submit the Reappraisal of Graded Term work form to the department in which the course is offered. The department will arrange for a re-assessment of the work if, and only if, the student has sufficient academic grounds. See sections [I.1](#) and [I.2](#) of the University Calendar

**Final Exam Reappraisal**

The student shall submit the request to Enrolment Services. See [Section I.3](#) of the University Calendar.

## Other Important Information for Students

---

### Mental Health

The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, [Mental Health Services Website](#)) and the Campus Mental Health Strategy website ([Mental Health](#)).

### SU Wellness Center

The Students Union Wellness Centre provides health and wellness support for students including information and counselling on physical health, mental health and nutrition. For more information, see [www.ucalgary.ca/wellnesscentre](http://www.ucalgary.ca/wellnesscentre) or call 403-210-9355.

### Sexual Violence

The University of Calgary is committed to fostering a safe, productive learning environment. The Sexual Violence Policy (<https://www.ucalgary.ca/policies/files/policies/sexual-violencepolicy.pdf>) is a fundamental element in creating and sustaining a safer campus environment for all community members. We understand that sexual violence can undermine students' academic success and we encourage students who have experienced some form of sexual misconduct to talk to someone about their experience, so they can get the support they need. The Sexual Violence Support Advocate, Carla Bertsch, can provide confidential support and information regarding sexual violence to all members of the university community. Carla can be reached by email ([svsa@ucalgary.ca](mailto:svsa@ucalgary.ca)) or phone at [403-220-2208](tel:403-220-2208).

### Misconduct

Academic misconduct (cheating, plagiarism, or any other form) is a very serious offence that will be dealt with rigorously in all cases. A single offence may lead to disciplinary probation or suspension or expulsion. The Faculty of Science follows a zero tolerance policy regarding dishonesty. Please read the sections of the University Calendar under [Section K](#). Student Misconduct to inform yourself of definitions, processes and penalties. Examples of academic misconduct may include: submitting or presenting work as if it were the student's own work when it is not; submitting or presenting work in one course which has also been submitted in another course without the instructor's permission; collaborating in whole or in part without prior agreement of the instructor; borrowing experimental values from others without the instructor's approval; falsification/ fabrication of experimental values in a report. **These are only examples.**

### Assembly Points

In case of emergency during class time, be sure to FAMILIARIZE YOURSELF with the information on [assembly points](#).

### Academic Accommodation Policy

Students needing an accommodation because of a disability or medical condition should contact Student Accessibility Services in accordance with the procedure for accommodations for students with disabilities available at [procedure-for-accommodations-for-students-withdisabilities.pdf](#).

Students needing 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,

preferably in writing, to the Associate Head of the Department of Physics & Astronomy, Dr. David Feder by email [phas.ahugrd@ucalgary.ca](mailto:phas.ahugrd@ucalgary.ca) or phone 403-220-8127. Religious accommodation requests relating to class, test or exam scheduling or absences must be submitted no later than **14 days** prior to the date in question. See [Section E.4](#) of the University Calendar.

### Safewalk

Campus Security will escort individuals day or night (See the [Campus Safewalk](#) website). Call [403-220-5333](tel:403-220-5333) for assistance. Use any campus phone, emergency phone or the yellow phones located at most parking lot pay booths.

### Freedom of Information and Privacy

This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIPP). Students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information, see [Legal Services](#) website.

### Student Union Information

[VP Academic](#), Phone: [403-220-3911](tel:403-220-3911) Email: [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca); SU Faculty Rep., Phone: [403-220-3913](tel:403-220-3913), Email: [sciencerep@su.ucalgary.ca](mailto:sciencerep@su.ucalgary.ca); Student Ombudsman, Email: [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca).

### Internet and Electronic Device Information

Unless instructed otherwise, cell phones should be turned off during class. All communication with other individuals via laptop, tablet, smart phone or other device is prohibited during class unless specifically permitted by the instructor. Students that violate this policy may be asked to leave the classroom. Repeated violations may result in a charge of misconduct.

### Surveys

At the University of Calgary, feedback through the Universal Student Ratings of Instruction ([USRI](#)) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these surveys.

### Copyright of Course Materials

All course materials (including those posted on the course D2L site, a course website, or used in any teaching activity such as (but not limited to) examinations, quizzes, assignments, laboratory manuals, lecture slides or lecture materials and other course notes) are protected by law. These materials are for the sole use of students registered in this course and must not be redistributed. Sharing these materials with anyone else would be a breach of the terms and conditions governing student access to D2L, as well as a violation of the copyright in these materials, and may be pursued as a case of student academic or [non-academic misconduct](#), in addition to any other remedies available at law.

### Schedule / Topics & Reading / Assignments & Due Dates

Date	Topic & Reading	Assignments & Due Dates
Jan 9	Introduction	<i>Killam &amp; AI Innovates Applications*</i>
Jan 16	Questions, Concepts, Strategies	<b>Research Questions, Ideas</b>
Jan 23	Presentation: Research Question	<b>Research Project Draft / Sketch</b>
Jan 30	Workshop: Project Development	<b>Research Project Pitch</b>
Feb 3	Research: Foundations	<b>Research Project: Method(s)</b>

Feb 10	Productive Project Evaluation	<b>First Iteration &amp; Critique</b>
Feb 17	No Classes: Reading Break	
Feb 24	Workshop: Project Modification	<b>Response to First Critique</b>
Mar 2	Workshop: Project Modification	<b>Revised Iteration &amp; Critique</b>
Mar 9	Workshop: Research Integration	<b>Response: Revised Critique</b>
Mar 16	Project Pitches	<b>Final Project Plan</b>
Mar 23	Workshop: Final Projects	<b>Draft Projects</b>
Mar 30	Workshop: Final Projects	<b>Draft Projects</b>
Apr 6	Presentation, Publication, Critique	<b>Final Projects</b>
Apr 13	Review	

\* Students who have prepared applications for the Killam, Alberta Innovates competition will receive feedback on their applications in time for the January 15 deadline.

### Attendance and Classroom Behavior

Given the integrated nature of this course, attendance and active participation are vital for success. The course uses a studio / mentor model based using real-time diagnostic challenges to develop skills. Students will work in a collaborative research environment helping one another propose, plan and test research projects.

Course material will be presented in class. Students will be responsible for all information presented in class. Students are expected to conduct independent research in service of their assignments, projects, and learning goals.

### Course Outcomes

At the end of this course, students will be able to:

1. Initiate, propose and develop a research project ;
2. Work with a research team to evaluate and refine a research project;
3. Integrate research models and methods in a discrete project;
4. Write, edit and submit a grant application in support of the project;
5. Develop a research project including funding models, methodological approaches, timelines and dissemination strategies;
6. Complete and submit the project for publication, performance or presentation.

Department Approval:



Date: September 5, 2019