



COURSE OUTLINE WINTER 2022

	Date	Initials
Prepared by Instructor	3-Jan-22	GN
Approved by Head	09-Jan-22	A.S.

1. Calendar Information

ENGG 683 Innovation and Entrepreneurship

An interdisciplinary course that inspires innovation and creativity through a collaborative, engaging, and active learning experience. You will be taught fundamental concepts and critical interpersonal skills that introduce you to the world of entrepreneurship. Get ready to open up your cognition and learn what innovation, entrepreneurship, and entrepreneurial thinking is all about.

Course Hours: 3 units; H(3-3)

Academic Credit: 3

Calendar Reference: <https://www.ucalgary.ca/pubs/calendar/current/engineering.html#42513>

2. Learning Outcomes

At the end of this course, you will have developed competency and understand:

- 1 Innovation and creativity
- 2 The entrepreneurial mindset and opportunity recognizing mind
- 3 Entrepreneurial leadership
- 4 Entrepreneurship Fundamentals
- 5 Communication for impact
- 6 Startup team creation, roles, and teamwork

3. Timetable

Section	Day(s) of the Week	Time	Location
L01	Tu & Th	9:30AM - 10:45AM	Web-Based Section
B01	Fr	11:00AM - 1:45AM	Web-Based Section

4. Course Instructors

Course Coordinator

Section	First Name	Family Name	Phone	Office	Email
L01/B01	Ghada	Nafie	403-220-5594	CCIT224	ghada.nafie@ucalgary.ca

Other Instructors

Teaching Assistants

Section	First Name	Family Name	Phone	Office	Email
L01/B01	Andishe	Ashjari			andishe.ashjari@ucalgary.ca
L01/B01	Mehrsa	Ehsani			mehrsa.ehsani@ucalgary.ca
L01/B01	Florian	Isufaj			florian.isufaj1@ucalgary.ca

5. Assessments

Graded course components

Assignments - Students will be graded based on 4-6 assignments during the course. Most of these assignments will be performed in groups with individual ideas and input from each group member. The assignments, requirements, and grading rubrics will be provided on D2L.

Quizzes - Students are required to complete 3 quizzes during the course. These are individual quizzes and no group work will be permitted. The quizzes will be Synchronous and will take place during the lecture period. Students will have 60 minutes to submit the solutions from the time they access the quiz. Quiz dates and times are shown below. During the quiz, instructor will be available and can be reached via email (ghada.nafie@ucalgary.ca).

	Start Time	Solutions will only be accepted until Time	Designed to be completed in	Contingency Time	Alternate start time 1	Alternate start time 2
Quiz 1	Tuesday February 8 9:30AM MT	Tuesday February 8 10:30AM MT	45 minutes	15 minutes	February 7 12:00PM MT	February 7 8:00PM MT
Quiz 2	Tuesday March 8 9:30AM MT	Tuesday March 8 10:30AM MT	45 minutes	15 minutes	March 7 12:00PM MT	March 7 8:00PM MT
Quiz 3	Tuesday April 5 9:30AM MT	Tuesday April 5 10:30AM MT	45 minutes	15 minutes	April 4 12:00PM MT	April 4 8:00PM MT

Some quiz questions may require students to enter answers directly into D2L, and others will require students to upload their handwritten solutions through D2L. Students will require stable access to internet, a computer/laptop/other device, and the ability to handwrite solutions and generate a .pdf file. Microsoft Office Lens is recommended when using a smartphone or tablet to scan handwritten work. All quizzes will be open-book and open-notes. You are permitted to access your own course notes, the textbook and the course D2L site. You are not permitted to search the internet, communicate with classmates or other individuals, or share examinations with classmates or other individuals during the assessment period.

If you are unable to write a quiz at the scheduled time, you must submit a request to the Engineering Student Centre by emailing engg.assessment@ucalgary.ca to write it during one of the two alternate times. Requests must be submitted no less than 2 weeks prior to the date of the test date.

Project - The project in this course will have several deliverables and is conducted in groups. It will reflect the concepts, fundamentals, and teamwork learnings in the course. Additional information will be provided at a later date.

Late or missed graded course work - Assignments submitted late after the posted deadline will lose 20% each day and will not be accepted for grading after 3 days. If you are unable to attend a session or encounter a last-minute situation that prevents you from attending or completing graded coursework on time, email the instructor immediately. If there is a legitimate reason approved by the instructor, students can be excused and the weight of the missed component moves to the remaining ones in the same category (e.g. weight of a missed quiz is spread amongst the remaining quizzes). If there is no valid excuse, students who miss a graded component will receive a zero.

6. Use of Calculators in Examinations

Not applicable

7. Final Grade Determination

The final grade in this course will be based on the following components:

Component	Learning Outcome(s) Evaluated	Weight
Assignments	1,2,3,4,5, &6	40%
Quizzes	1,2,3,4,5, &6	25%
Project	1,2,3,4,5, &6	35%

Total: 100%

Notes:

Conversion from a score out of 100 to a letter grade will be done using the conversion chart shown below. This grading scale can only be changed during the term if the grades will not be lowered.

Letter Grade	Total Mark (T)
A+	$T \geq 98.0\%$
A	$92.0\% \leq T < 98.0\%$
A-	$89.0\% \leq T < 92.0\%$
B+	$85.0\% \leq T < 89.0\%$
B	$82.0\% \leq T < 85.0\%$
B-	$79.0\% \leq T < 82.0\%$
C+	$75.0\% \leq T < 79.0\%$
C	$68.0\% \leq T < 75.0\%$
C-	$60.0\% \leq T < 68.0\%$
D+	$55.0\% \leq T < 60.0\%$
D	$50.0\% \leq T < 55.0\%$
F	$T < 50.0\%$

8. Textbook

There is no textbook required for this course. Any assigned readings or pre-work or links will be posted on D2L.

9. University of Calgary Policies and Supports

*SSE ADVISING AND POLICIES

All Schulich School of Engineering students have access to a D2L site titled “Engineering Student Centre”. Students have a responsibility to familiarize themselves with the policies available on this site.

*ACADEMIC MISCONDUCT

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://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Academic-Misconduct-Policy.pdf>

<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Academic-Misconduct-Procedure>

Additional information is available on the Academic Integrity Website at <https://ucalgary.ca/student-services/student-success/learning/academic-integrity>.

*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://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf>.

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/https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf>). 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/.

Students needing an accommodation in relation to their coursework or to fulfil requirements for a degree based on a Protected Ground other than Disability, should communicate this need by submitting a SSE Request for Academic Accommodation Form (ESC D2L - Forms) to the Associate Head (Undergraduate Studies) within 10 business days prior to the class, test, exam, or assignment at issue.

*INSTRUCTOR 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.

*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.

*COPYRIGHT LEGISLATION

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright (<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Acceptable-Use-of-Material-Protected-by-Copyright-Policy.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/legal-services/sites/default/files/teams/1/Policies-Student-Non-Academic-Misconduct-Policy.pdf>.

*MEDIA RECORDING (if applicable)

Please refer to the following statement on media recording of students: https://elearn.ucalgary.ca/wp-content/uploads/2020/05/Media-Recording-in-Learning-Environments-OSP_FINAL.pdf

**Media recording for lesson capture*

The instructor may use media recordings to capture the delivery of a lecture. These recordings are intended to be used for lecture capture only and will not be used for any other purpose. Although the recording device will be fixed on the Instructor, in the event that incidental student participation is recorded, the instructor will ensure that any identifiable content (video or audio) is masked, or will seek consent to include the identifiable student content to making the content available on University approved platforms.

**Media recording for self-assessment of teaching practices*

The instructor may use media recordings as a tool for self-assessment of their teaching practices. Although the recording device will be fixed on the instructor, it is possible that student participation in the course may be inadvertently captured. These recordings will be used for instructor self-assessment only and will not be used for any other purpose.

**Media recording for the assessment of student learning*

The instructor may use media recordings as part of the assessment of students. This may include but is not limited to classroom discussions, presentations, clinical practice, or skills testing that occur during the course. These recordings will be used for student assessment purposes only and will not be shared or used for any other purpose.

***SEXUAL VIOLENCE POLICY**

The University recognizes that all members of the University Community should be able to learn, work, teach and live in an environment where they are free from harassment, discrimination, and violence. The University of Calgary's sexual violence policy guides us in how we respond to incidents of sexual violence, including supports available to those who have experienced or witnessed sexual violence, or those who are alleged to have committed sexual violence. It provides clear response procedures and timelines, defines complex concepts, and addresses incidents that occur off-campus in certain circumstances. Please see the policy available at <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Sexual-and-Gender-Based-Violence-Policy.pdf>

***OTHER IMPORTANT INFORMATION**

Please visit the Registrar's website at: <https://www.ucalgary.ca/registrar/registration/course-outlines> for additional important information on the following:

- Wellness and Mental Health Resources
- Student Success
- Student Ombuds Office
- Student Union (SU) Information
- Graduate Students' Association (GSA) Information
- Emergency Evacuation/Assembly Points
- Safewalk

10. Statements Specific to Winter 2022

Course Format and Scheduling

This is a web-based course where all lectures will be delivered online via zoom with the links posted on D2L under the communication tab > zoom. The sessions are designed to include group activities and will be conducted during the synchronous lecture time.

Labs will be an opportunity for the groups to meet at this scheduled time to work on assignments, course, and project deliverables.

There is a separate document for the course schedule showing all the sessions plans for the entire semester.

Expectations for Attendance and Engagement in Online Sessions

Active engagement in class and with course material is essential in any course. In the online context, students must take increased ownership of their learning. Expectations for attendance at synchronous sessions are the same as they are in a face-to-face course. Students are expected to actively attend synchronous sessions and encouraged to adhere to class norms. These include:

- Having the camera on during synchronous sessions (note that sessions may be recorded and uploaded to University approved platforms)
- Keeping the microphone on mute unless called on by the instructor, or when participating in oral discussion in Breakout rooms
- Using the features and tools in Zoom as requested by the instructor
- Communicating in a professional and respectful manner at all times

If it appears that you are not actively engaged in the class (for example, not responding to the instructor, not joining breakout rooms, etc.), your instructor reserves the right to remove you from the Zoom session.

Important Note: Classes may be recorded. Recordings will only be uploaded to University approved platforms such as D2L, will only be for use by students and staff associated with the course, and will not be disseminated to a broader audience by the University. If a student turns on their microphone or camera, or uses the public chat feature, this constitutes consent for the student's video image or sound audio to be uploaded with a recording. If a student wishes to ensure that their questions/faces/voices are not recorded in the video, they should instead use the private chat feature to ask questions.

Guidelines for Completing and Submitting Coursework

Quizzes must be completed and submitted by the due date and time. Quizzes not submitted by the deadline are considered late and will be assigned a grade of zero. Make-up quizzes or alternative quizzes will not be offered in this course.

Assignments must be completed and submitted by the due date and time. Most of these assignments are performed in groups. Group members may need to arrange some time and a plan to work together outside class time.

11. Additional Course Information

This course is taught in an active learning environment with many activities performed during the synchronous online sessions to better explain and reinforce the concepts delivered. Several activities will take place on online platforms to support the course learning outcomes. Attendance online is crucial. No engineer or entrepreneur works alone and it is expected that students will conduct the majority of these course activities and deliverables in groups. We expect students to attend the sessions on time and be prepared to engage with their classmates, teaching assistants, and course instructor.