COURSE SYLLABUS

CAMOSUN COLLEGE

COURSE TITLE:	Sustainability Project CIVE 181
CLASS SECTION:	X01 and X02
TERM:	FALL 2023
COURSE CREDITS:	3
DELIVERY METHOD(S):	On campus Lecture and Seminar

For COVID-19 information please visit https://legacy.camosun.ca/covid19/index.html.

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.

INSTRUCTOR DETAILS

NAME:	Robin Ley
EMAIL:	LeyR@Camosun.ca
OFFICE:	TEC265
HOURS:	TBD or by appointment (email instructor)

As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.

CALENDAR DESCRIPTION

Students form teams and brainstorm, develop, design and present an idea for a low-tech project that improves some aspect of sustainability within their community. "Community" can be defined geographically or culturally. The design process, ethics, teamwork, problem solving and design documentation are taught independently of any technical context. Each project is to be designed, drafted, documented and, finally, presented to the other learners in the class.

PREREQUISITE(S):
One of:
- **C** in English 12
- **C** in English 12 First Peoples
- **C** in ENGL 092
- **C** in ENGL 103
- **C** in ENGL 130
- **C** in ENGL 142
- **C** in ELD 092

- **C** in ELD 097
  C in ELD 103

COURSE LEARNING OUTCOMES / OBJECTIVES

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

- Define the three pillars of sustainability and give examples of how these pillars are currently addressed or could be better addressed within their community.
- Work with a team to generate project ideas that are sustainable and ethical.
- Participate effectively and respectfully in a team activity.
- Identify and appropriately address interpersonal issues within a project team.
- Respond appropriately to ethical issues that arise in the engineering community.
- Design, document and present a design solution.
- Propose urban development options that promote sustainable lifestyle choices.
- Discuss issues affecting governments and development agencies pursuing sustainability in the developed and developing world.
- Create a Gantt chart, a precedence network and perform a critical path analysis in order to execute a project that meets required deadlines.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

Course content will be posted in D2L. No text books are required but supplemental reading will be provided.

The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

Week	Week Starting (Monday)	Lecture – Mondays	Seminar – Tuesday /Weds (see schedules)	Assignments Due (see D2L for duedate)
1	04-Sep	No Class – School closed	Introduction to Sustainability Course Outline – class policies	Quiz 1 Due
2	11-Sep	Teamwork In Engineering	Team Building Exercise	
3	18-Sep	Project Ideas (ideas, expectations) Interconnectivity Brainstorming	Ice Breakers Brainstorming Form Teams, Individual Teamwork Questionaire, Team Summary, Assignment 1	
4	25-Sep	Project Discussions with Instructor, Teamwork Pyramid, Team Goals, Assignment 2	No Classes (instructor will provide assignment)	Assignment 1 (MB, Learning Due)
5	02-Oct	Project Management - Basics, Design Process, Schedules	Teamwork Pyramid, Meeting Minutes, Assignment 3	Assignment 2 (Project Ideas Due)
6	9-Oct	No Class – School Closed	Green Building Lab	
7	16-Oct	Sustainability & Ethics	Teamwork Pyramid, Assignment 4 and Project Feedback	Assignment 3 (Project Research Due)
Week	Week Starting (Monday)	Lecture – Thursdays (3:30 – 5:20)	Seminar – see schedules	Assignments Due

8	23-Oct	*Life Cycle Assessment.*	*Project Work, Assignment 5, Teamwork Pyramid, Assignment 6*	*Assignment 4 (Design Criteria Due)* *Team Project Feedback due during meetings*
9	30-Oct	*New Urbanism*	*Instructor Meetings, Project Work, Assignment 7*	*Assignment 5 (Gant Charts) due*
10	06-Nov	*Green Building Lab*	*Project Work*	*Assignment 6 (Interconnectivity) due*
11	13-Nov	*Progress Report Tips*	*Project Work*	*Assignment 7 (Project Status Report) due*
12	20-Nov	*Energy*	*Instructor Group Meetings, Project Work*	
13	27-Nov	*Presentation Tips*	*Project Work*	*Final Reports Due – Dec. 1(by 3:30 pm)*
14	4-Dec	*Group Presentations*	*Group presentations*	*Assignment 8 (Personal Reflection) due*

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced noticed is required. Deadlines scan be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html). http://camosun.ca/services/accessible-learning/exams.html

EVALUATION OF LEARNING

Task	Individual	Group
Quizzes and Meetings	**15%**	
Quizzes (5)	10%	
Attendance (See Note below)	5%	
Assignments	**20%**	**25%**
Ass 1 - Myers-Brigg and LSI	5%	
Ass 2 - Three Feasible Project Ideas		5%
Ass 3 - Project Research	5%	
Ass 4 - Design Criteria for Project		5%
Ass 5 - Gantt and Network Diagram	5%	
Ass 6 - Life Cycle Map		5%
Ass 7 - Project Status Report		10%
Ass 8 - Personal Reflection	5%	
Final Presentation		**10%**
Final Report		**30%**
SUBTOTAL	35%	65%
TOTAL		**100%**

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the Grade Review and Appeals policy for more information.
http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf

COURSE GUIDELINES & EXPECTATIONS

- Due to the nature of this course, significant emphasis is placed on assignments, participation in seminars, and quizzes. Students should anticipate that substantial effort is be required to complete assignments and plan accordingly. Assignments should be professionally presented (even in electronic form). The student code of conduct is in place and will be referred to as needed.

- Assignments are due as noted on the D2L site. All assignments will be submitted electronically through D2L. Late assignments will have 10% deducted per day the assignment is late (including weekends). Assignments submitted after graded assignments have been returned or solutions are posted are worth zero. Note, assignments will be graded and returned quickly, so students submitting late assignments run the risk of receiving a zero grade. Students will have a significant amount of time between assignment due dates and should plan accordingly. Assignments will take a substantial effort. Students attempting to complete assignments close to the due date are unlikely to be successful and extensions will not be giving for technical issues or lack of planning or prioritizing. No extension will be given after or on the due date.

- Full attendance in lectures and seminars is expected. Due to the nature of this course your attendance or lack of attendance can negatively affect your teammates. If students need to miss a

class or lecture they should get in touch with their group to find out what materials have been missed before the missed class. Students can also email the instructor if needed. Students attendance grade will be deducted by 25% for each unexcused class.

- Quizzes are to be done in D2L by the duedate/time. No extensions or late quizzes will be provided.

- All group members will be given the same mark on group assignments with the exception of Assignment 6 and extreme situations. The instructor may elect to distribute grades differently on group assignments if it is determined that an individual did not adequately contribute to the group assignment. The instructor will meet with the group prior to making this determination and efforts will be made to avoid this situation.

- Camosun's D2L site will be used for this course. Students are responsible for following directions and checking the website as well as email correspondence. Refer to student code of conduct.

- Equity, diversity, and inclusion (EDI) are central to Camosun's culture and values. The Camosun community and the engineering community at large commit to pursuing equity in education regardless of race, heritage, religion, gender or gender identity, and ability. We learn best when we feel safe. Inappropriate, hateful or demeaning comments or actions will not be tolerated. Your suggestions on how to make your experience here better are encouraged and appreciated. Please let the instructor or the department chair know ways to improve your experience at Camosun. If you wish to know more about Camosun's EDI policy, please see the EDI page on the college's website: http://camosun.ca/about/policies/equity-diversity-inclusion.html

  Refer to the student code of conduct: http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf

- Because the learning outcomes for this course focus on engineering design, technical writing, creativity and teamwork, use of generative artificial intelligence tools like ChatGPT, Quillbot, etc., is expressly prohibited. All work in this course will be checked through Turnitin Feedback Studio to identify possible use of AI and other forms of text similarity. Use of these tools will result in a zero grade on the assignment and violation of the student code of conduct. Don't do it.

STUDENT RESPONSIBILITY

Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

SUPPORTS AND SERVICES FOR STUDENTS

Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit http://camosun.ca/students/.

Support Service	Website
Academic Advising	http://camosun.ca/advising
Accessible Learning	http://camosun.ca/accessible-learning
Counselling	http://camosun.ca/counselling
Career Services	http://camosun.ca/coop
Financial Aid and Awards	http://camosun.ca/financialaid
Help Centres (Math/English/Science)	http://camosun.ca/help-centres
Indigenous Student Support	http://camosun.ca/indigenous
International Student Support	http://camosun.ca/international/
Learning Skills	http://camosun.ca/learningskills
Library	http://camosun.ca/services/library/
Office of Student Support	http://camosun.ca/oss
Ombudsperson	http://camosun.ca/ombuds
Registration	http://camosun.ca/registration
Technology Support	http://camosun.ca/its
Writing Centre	http://camosun.ca/writing-centre

If you have a mental health concern, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

COLLEGE-WIDE POLICIES, PROCEDURES, REQUIREMENTS, AND STANDARDS

Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the Centre for Accessible Learning (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started: http://camosun.ca/services/accessible-learning/

Academic Integrity

Please visit http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

Academic Progress

Please visit http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

Course Withdrawals Policy

Please visit http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit http://camosun.ca/learn/fees/#deadlines.

Grading Policy

Please visit http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf for further details about grading.

Grade Review and Appeals

Please visit http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf for policy relating to requests for review and appeal of grades.

Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For more information, please see the "Attendance" section under "Registration Policies and Procedures" (http://camosun.ca/learn/calendar/current/procedures.html) and the Grading Policy at http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf.

Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf to learn more about the process involved in a medical/compassionate withdrawal.

Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun's Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student's right to choose what is right for them. For more information see Camosun's Sexualized

Violence and Misconduct Policy: http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf and camosun.ca/sexual-violence. To contact the Office of Student Support: oss@camosun.ca or by phone: 250-370-3046 or 250-3703841

Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College's Student Misconduct Policy at http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf to understand the College's expectations of academic integrity and student behavioural conduct.

Changes to this Syllabus: Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.