

COURSE SYLLABUS



COURSE TITLE: CIVE 181 – SUSTAINABILITY PROJECT
CLASS SECTION: X01/X02
TERM: 2024F
COURSE CREDITS: 3
DELIVERY METHOD(S): On campus lecture and seminar

Camosun College campuses are located on the traditional territories of the Ləkʷəŋən and WSÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here. Learn more about Camosun's [Territorial Acknowledgement](#).

For COVID-19 information please visit <https://camosun.ca/about/covid-19-updates>

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: David Ley
EMAIL: leyd@camosun.ca
OFFICE: TEC264
HOURS: TBD, request by email

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 ENGL 142
C in English 12 First Peoples	C in ELD 092
C in ENGL 092	C in ELD 097
C in ENGL 103	C in ELD 103
C in ENGL 130	

PRE or CO-REQUISITE(S): As Above
EXCLUSION(S): none

 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

 REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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

 COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

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

SECTION	CLASS	SEMINAR	LOCATION
X01A	Tuesday 10:30AM-12:20PM	Wednesday 12:30PM-2:20PM	CBA101
X01B	Tuesday 10:30AM-12:20PM	Wednesday 2:30PM-4:20PM	CBA101

WEEK	WEEK BEGINNING	CLASS TUESDAY	SEMINAR WEDNESDAY	DELIVERABLES (SEE D2L FOR DUE DATES)
1	2024-09-02	Introduction to Sustainability	Orientation, Course Outline, Class Policies	Quiz 1
2	2024-09-09	Teamwork In Engineering, Brainstorming	Team Building Exercise, Brainstorming	
3	2024-09-16	Project Ideas (ideas, expectations) Revisit Course Syllabus, Interconnectivity Lecture, Introduce Assignment 1	Ice Breakers, Form Teams, Individual Teamwork Questionnaire, Team Summary, Assignment 1	
4	2024-09-23	Sustainability & Ethics	Project Discussions with Instructor, Teamwork Pyramid, Team Goals, Introduce Assignment 2	Assignment 1 (MB, Learning Due)
5	2024-09-30	Project Management - Basics, Design Process, Schedules	Teamwork Pyramid, Meeting Minutes, Introduce Assignment 3	Assignment 2 (Project Ideas Due)
6	2024-10-07	Green Building Design	Teamwork Pyramid, Introduce Assignment 4, Project Feedback (Assignment 2)	
7	2024-10-14	Project Work	Project Work	Assignment 3 (Project Research Due)
8	2024-10-21	Project Management, Schedules	Instructor Meetings, Project Work, Introduce Assignment 5,	Assignment 4 (Design Criteria Due), Team Project Feedback due during meetings
9	2024-10-28	Life Cycle Assessment.	Teamwork Pyramid, Introduce Assignment 6	Assignment 5 (Gant Charts) due
10	2024-11-04	New Urbanism	Project Work, Introduce Assignment 7	Assignment 6 (Interconnectivity) due
11	2024-11-11	Food	Project Work	Assignment 7 (Project Status Report) due
12	2024-11-18	Energy, Final Report Discussion	Instructor Group Meetings, Project Work	
13	2024-11-25	Project Work	Project Work	Final Reports Due – April 8, 2024
14	2024-12-02	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 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 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 given 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 due date/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.
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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 Integrity

Students are expected to comply with all College policy regarding academic integrity; which is about honest and ethical behaviour in your education journey. The following guide is designed to help you understand your responsibilities: <https://camosun.libguides.com/academicintegrity/welcome>

Please visit <https://camosun.ca/sites/default/files/2021-05/e-1.13.pdf> for Camosun's Academic Integrity policy and details for addressing and resolving matters of academic misconduct.

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 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. If you would like to receive a bonus mark, send me an email with the word bonus in the subject line before the due date of the first quiz.

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.

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.

Looking for other policies?

The full suite of College policies and directives can be found here: <https://camosun.ca/about/camosun-college-policies-and-directives>

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.