

COURSE SYLLABUS



COURSE TITLE: TECN 210 – Design Thinking

CLASS SECTION: X01AB

TERM: Fall 2024

COURSE CREDITS: 3

DELIVERY METHOD(S): F2F

Camosun College campuses are located on the traditional territories of the Lək̓ʷəŋən and W̱SÁNEĆ 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://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: Melissa Mills

EMAIL: millsm@camosun.ca

OFFICE: TEC 243 (Inside Rm 236)

HOURS: Tuesdays 2:30 – 3:20pm, Fridays 11:30 – 12:30pm

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 will explore a real-world problem and be guided through the phases of design and testing of their solution through sound thinking, creative inquiry, and diverse modes of reasoning in discussions and writing.

PREREQUISITE(S):

One of:

- C in ENGLISH 12
- C in ENGLISH 12 (Camosun Alternative)

COURSE LEARNING OUTCOMES / OBJECTIVES

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

1. Explain design thinking practices and their applications;
2. Use design thinking techniques to generate innovative ideas;
3. Apply various tools, techniques and templates used in the process, principles and methods of design thinking across many disciplines;

4. Rapidly develop and test prototypes to reduce risks and accelerate innovation development;
5. Use computing tools and online environments to aid design thinking.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

(a) Texts

No Required Texts. Reading material supplied.

(b) Recommended Texts

Norman, D. (2013). *The design of everyday things*. New York, NY: Basic Books.

(c) Other

1 GB Memory Stick or 1 TB Portable Harddrive

Notebook: Lined, Grid or Dotted Sketchbook (8.5 x 11" size) – Tablet will suffice in lieu of notebook

Pen, Pencil and eraser, tablet pen if using.

Mouse (if using own laptop with touch pad for some work)

Sticky notes paper (square size)

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.

Lecture: Tuesday 8:30 – 9:20pm – CBA 220

Lecture: Friday 10:30 – 11:20am – TEC 174

Lab X01A: Tuesday 12:30 – 2:20 – TEC 273

Lab X01B: Friday 8:30 – 10:20 – CBA 202

| WEEK | ACTIVITY or TOPIC | ASSIGNMENTS |
|--------|--|-------------------------------------|
| Week 1 | Lec: Course Intro + Expectations, D2L Orientation Lab: Adobe Sign Up, Software overview, Discussion post | Discussion Post Due Sept 9 (Mon) |
| Week 2 | Lec: Intro to Design Thinking (In-class activity) Lab: Micro Lesson Adobe CC InDesign. | In-Class Submission |
| Week 3 | Lec: HCI, Empathy + User Research What is Reflective Learning? (creative thinking cards – activity) Lab: Micro Lesson Design Principles Adobe CC InDesign | |
| Week 4 | Lec: Problem Definition + Ideation Lab: Micro Lesson Design Principles Cont'd, Adobe CC InDesign / Project 1 Launch – Mind Map & Persona | Project 1 – Mind Map/Persona |
| Week 5 | Lec: Prototyping + Testing – (In-class activity) Lab: Project 1 | In-Class Submission |

| WEEK | ACTIVITY or TOPIC | ASSIGNMENTS |
|---------|---|---|
| Week 6 | Lec: Prototyping + Testing Con'd – User Feedback + Peer Review Lab: Micro Lesson Colour Theory / Project 1 | Reflection for Week 7 Project 1 Due |
| Week 7 | Lec: Implementation + Iteration + Figma Lab: Check-In with Instructor / Project 2 Launch – Mini Design Sprint | Project 2 – Design Sprint Project |
| Week 8 | Lec: Mini Lesson Typography, Creative Visualization (In-class activity) Lab: Micro Lesson Figma / Project 2 | In-Class Submission |
| Week 9 | Lec: Multidisciplinary Design + Collab / Peer Review Lab: Micro Lesson Adobe Photoshop / Project 2 | Project 2 Due |
| Week 10 | Lec: Design in Practice + Ethical Considerations Lab: Micro Lesson Adobe Photoshop | Week 12 Reflection |
| Week 11 | Lec: Final Project Launch – Class Collaboration Lab: Micro Lesson Figma/ Project 3 Launch – App Prototype | Project 3 – Prototype |
| Week 12 | Lec: Check-in with Instructor + reflection (have reflection ready) Lab: Project 3 Studio work | |
| Week 13 | Lec: Project Testing Lab: Project 3 Studio work | |
| Week 14 | Lec: Presentations + Peer Review Lab: Presentations + Peer Review | Presentations Project 3 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 notice is required. Deadlines can 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

| DESCRIPTION | WEIGHTING |
|-----------------------------------|-------------|
| Project 1 | 20% |
| Project 2 | 20% |
| Project 3 | 30% |
| In-Class Activity Assignments x 3 | 25% |
| Professionalism | 5% |
| 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

The ability to meet deadlines is emphasized as an important outcome of this course and is essential in the printing industry. Assignment due dates are posted on assignment design briefs and close 11:59pm on the due date.

Late assignments/labs are subject to a noted penalty per day late, up to one week. Assignments submitted after one week will not be accepted except by the instructor's prior written permission or in the presence of a dire and documented short-term medical or family emergency.

Must complete all assignments.

Must achieve a minimum average of 65% on the in-class activities.

Must achieve a minimum average of 65% on projects.

Activities

You will be expected to attend all lecture and lab blocks as you will be required to collaborate and demonstrate activity assignments during those blocks. Activities are designed to be done within class time. Activities are often done in pairs or groups, as this collaboration fosters creative thinking, support and idea building. These exercises work to build a sense of community and interpersonal skills, mastery through sharing of ideas, independence through reflection on failures and successes, and generosity through the sharing of experience to your classmates.

Your instructor will provide feedback through individual, group or class discussion, or through written feedback depending on the activity submission. Students will implement feedback into future activities and reflect how they are doing this work.

Term Projects

There will be a final term project at the end of the course that will satisfy course outcome to "apply various tools, techniques and templates used in the process, principles and methods of design thinking across many disciplines". This is a solo project with the aid of peer feedback as part of testing the design concept. This project will have a self-assessment component to it.

There is no final exam in this course.

Expected Workload

Learner success requires all activities and projects be complete by their due dates, with demonstrated mastery of course concepts and outcomes. The majority of activities and projects can be completed within class time given though major projects may require added hours outside of class to complete. Students will have ample notice to plan for these assignments. Making productive use of lab time will ensure outside hours are kept to a minimum.

SCHOOL OR DEPARTMENTAL INFORMATION

Grade review: You have 7 days after assessments are posted to review with your instructor.

Academic Integrity Violations:

- 1st violation: minus the weight of the deliverable and a note on your departmental file.
- 2nd violation: F in the course
- 3rd violation: Student Conduct [Policy](#) E-2.5 is applied

Missed Examinations/Quizzes: If a student misses a quiz, project or an exam, a mark of zero will be assigned unless there are extenuating circumstances. You must provide a note from a medical practitioner (Doctor, Nurse, Psychologist, Councilor, etc). In such cases, the proportion of grade assigned to the missed quiz or exam will be added to the proportion assigned to the final exam. The final exam will be held during exam week. NO consideration will be given to any student wishing to write the exam at any other time than that assigned.

Electronic Devices: The school's policy regarding electronic devices is that any student who has a cell phone or other unauthorized electronic device (ie. ipad, laptop, playbook, etc.) on their person or around their desk during an exam will be guilty of cheating and will a grade of "F" for the course.

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/>.

| | |
|-------------------------------------|---|
| 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/ |

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|---------------------------|---|
| 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.