

COURSE SYLLABUS



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|---------------------|---------------------------------------|
| COURSE TITLE: | CIVE 131 – GRAPHICAL COMMUNICATIONS 1 |
| CLASS SECTION: | X01 |
| TERM: | 2023F |
| COURSE CREDITS: | 3 |
| DELIVERY METHOD(S): | Labs |

Camosun College campuses are located on the traditional territories of the Ləkʷəŋən 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://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 |

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 learn to communicate clearly in the form of hand sketches, spreadsheets and computer-aided drafting (CAD) software in order to accurately present technical information to both technical and non-technical audiences. CAD skills include: drawing simple geometric shapes; using layers; applying annotation; creating and inserting blocks; and preparing layouts.

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|-------------------------|---|
| PREREQUISITE(S): | One of: C in Pre-calculus 11 C in MATH 073 C in MATH 077 C in MATH 137 C in MATH 139 - Must be completed prior to taking this course. |
| 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:

- Use spreadsheet software to perform calculations and analyse technical information.
- Prepare consistently formatted tables and graphs that can be easily read both digitally and in print.

- Represent 3D objects using various methods of projection.
- Create clear and neat hand sketches of simple geometric objects.
- Create, edit and apply basic CAD objects such as: layers, simple blocks, text, dimensions, hatching, layouts to accurately draw and edit simple geometric shapes.
- Create drawings that conform to prescribed drafting standards and practices.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

- Lecture & Lab notes and/or videos posted on course web pages / D2L
- 0.5mm or 0.7mm mechanical pencil, Pentel P207 recommended (approximately \$6)
- Standard ruler (300 or 380 mm) metric and imperial gradations, steel preferred (approximately \$5)
- Eraser – Staedtler Mars plastic (approximately \$2)

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 | LAB | TIME | LOCATION |
|---------|----------|---------------|----------|
| X01 | Monday | 2:30pm-4-20pm | TEC257 |
| X01 | Thursday | 8:30-11:20am | TEC147 |

| Week | Week Beginning | Subject | Deliverables |
|------|--------------------|--|---------------------------|
| 1 | September 4, 2023 | Course Introduction, MS Excel | |
| 2 | September 11, 2023 | MS Excel | Assignment E-1 |
| 3 | September 18, 2023 | MS Excel, Introduction to Engineering Graphics | Assignment E-2 |
| 4 | September 25, 2023 | Hand Sketching | Quiz 1 covering weeks 1-3 |
| 5 | October 2, 2023 | Hand Sketching, continued AutoCAD Fundamentals - Part 1 - Getting Started - Coordinate System | Assignment S-1 |
| 6 | October 9, 2023 | AutoCAD Tools -Basic Commands - OSnap -Polar Tracking -OSnap Tracking -Move, copy, rotate, scale & mirror | Assignment A-1 |

| Week | Week Beginning | Subject | Deliverables |
|------|-------------------|---|--|
| 7 | October 16, 2023 | AutoCAD Tools, continued <ul style="list-style-type: none"> - Templates and Layers - Arcs, Polylines and Polygons - Getting information from your drawings | |
| 8 | October 23, 2023 | AutoCAD Tools, continued <ul style="list-style-type: none"> -Trim, Extend, Stretch, Fillet, Chamfer, Offset, Array - Inserting Blocks | Quiz 2 – covering week 4 through 7 |
| 9 | October 30, 2023 | AutoCAD Tools, continued <ul style="list-style-type: none"> -Layout and Printing Term Project (TP) Introduction | |
| 10 | November 6, 2023 | AutoCAD Tools, continued <ul style="list-style-type: none"> - Hatching - Dimensioning Term Project (TP), continued | Assignment A-2 |
| 11 | November 13, 2023 | AutoCAD Fundamentals <ul style="list-style-type: none"> - Working Effectively with AutoCAD - Accurate Positioning - Annotation Styles Term Project (TP), continued | |
| 12 | November 20, 2023 | AutoCAD Fundamentals, continued <ul style="list-style-type: none"> - Blocks - Titleblocks - Advanced Layouts Term Project (TP), continued | |
| 13 | November 27, 2023 | AutoCAD Fundamentals, continued <ul style="list-style-type: none"> - External References - Creating Templates Term Project (TP), continued | Quiz 3 – covering weeks 8 through 11 Term Project Due |
| 14 | December 4, 2023 | Review | |

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

| Component | Option 1 | Option 2 | Comment |
|-------------------------|----------|----------|---|
| Assignments | 25% | 35% | |
| Term Project | 15% | 15% | |
| Quizzes | 30% | 45% | Written, open book |
| Instructor's Assessment | 5% | 5% | Based on your cooperation and attendance, e.g. active participation in group work, etc. |
| Final Examination | 25% | / | Written, open book |
| TOTAL | 100% | 100% | |

50% on the final examination for Option 1, or 50% average on all tests/examinations for Option 2, must be attained in order to pass this course. You will need to choose either Option 1 or Option 2 in Week 14. Mark deduction for late submission of any project or assignment is 10% of that project or assignment. If handed in after the projects and/or assignments of the other students are returned to class, no mark will be given. All the required projects or assignments must be submitted to the instructor's satisfaction prior to the final examination in order to pass this course. If your project or assignment requires resubmission, you have one week to complete your work and resubmit from the day you receive the notice, and your maximum mark for that project or assignment will be the minimum mark of the class minus 10%.

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

- Presence is required at all scheduled course components.
- Assignments are to be completed individually.
- Quizzes: open book, digital and hardcopies.
- Final Exam: open book
- Late assignments will have 10% deducted. Assignments submitted after graded assignments have been returned are worth 0.
- You must complete all the assignments prior to writing the final exam to be permitted to write the final exam.

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. 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 assignment.

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.