

# COURSE SYLLABUS



COURSE TITLE: CIVE 132 - Graphical Communications 2

CLASS SECTION: X01 X02

TERM: W2023

COURSE CREDITS: 3

DELIVERY METHOD(S): Lab/Lec

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

Camosun College campuses are located on the traditional territories of the Lək̓ʷəŋən and WSÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.

Learn more about Camosun's [Territorial Acknowledgement](#).

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*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

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NAME: Perry Peterson

EMAIL: [petersonp@camosun.ca](mailto:petersonp@camosun.ca)

OFFICE: TEC 105 [Also See D2L](#)

HOURS: Best hours are Mon, Wed, Thr, Fri 10:00 to 12:30 Tues 12:30 to 2:30

*(Note: I am often on campus but not in office but in a lab or at the library. Please call/text 250 812 2214 or email me and I can usually meet you within 10 minutes. Also, available online Zoom 24/7)*

*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

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Graphics Communications is a key element in transferring engineering design information to stakeholders within a Civil Engineering Project. In this course, students begin to connect their drafting skills with specific civil engineering topics. Students further develop their AutoCAD drafting skills to create more complex drawings: attributed and dynamic blocks, multiple layouts, and plotting. Skills are applied to structural and municipal drafting projects. An introduction to databases and Geographical Information Systems (GIS) is also included.

Students will adopt a process of self-learning which are vital to successful career as an engineering technologist and especially important with new information technologies. As such, an important underlying outcome of this course is to form the habits and display the courage that leads to self-learning. Students will be encouraged to explore.

PREREQUISITE(S): C in CIVE 131

CO-REQUISITE(S):

EXCLUSION(S):

## COURSE LEARNING OUTCOMES / OBJECTIVES

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

- Create, edit, and apply advanced CAD objects such as: annotation styles, attributed blocks, dynamic blocks, cross-referencing.
- Follow prescribed drafting standards for municipal and structural drawings.
- Assemble a complex drawing set within computer aided design (CAD) software utilizing multiple layouts, scales, and sheet sets.
- Describe the structure and application of a relational database and utilize basic database components such as forms, tables, queries, and reports.
- Describe the structure and application of Geographical Information Systems (GIS) and utilize basic GIS tools to manipulate and report on spatial data.

## REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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- a) It is highly recommended that you have a computer that can run Autodesk 2023. Students can [download software here](#). Recommend downloading Civil 3D which includes full AutoCAD.
- b) Texts – None. Student is expected to use online resources provided to support Autocad,

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

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The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor. [See D2L for changes](#)

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
1	Introduction and AutoCAD Review Structural Drafting and Plan Production Using AutoCAD 2D	
2	Engineering Drafting and Plan Production Continued Using AutoCAD 2D	
3	Structural Drafting: Structural Steel Detailing	
4	Structural Steel Detailing Continued: Using AutoCAD 3D	
5	Structural Drafting: Reinforced Concrete Details Advanced AutoCAD	
6	Municipal and Transportation Drawings	
7	Municipal and Transportation Drawings Continued	
8	Municipal and Transportation Drawings Continued	
9	CADD Standards	
10	Databases	
11	Geographic Information Systems – Sourcing Data Types	

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
12	Geographic Information Systems – Spatial Analysis	
13	Geographic Information Systems – Webmaps	
14	Final Exam	

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

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DESCRIPTION	WEIGHTING
Class Exercises Completed	10%
Major Lab Submissions	50%
Midterm Exam - Practical Topics on Civil Engineering Plan Production	10%
Final Exam - The final exam will be combined written and practical (computer based). The final exam will be open 'book'.	30%
<b>TOTAL</b>	<b>100%</b>

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](http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf) policy for more information. <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

## COURSE GUIDELINES & EXPECTATIONS

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- Off-line communication with the instructor should be a normal part of your studies.
- Attendance at lectures and labs is required. If you are unable to attend a class, you must notify the instructor by email prior to the lesson.
- Assignments will be due as indicated in D2L. If submitting an assignment late is unavoidable, student must email the instructor with an explanation prior to the due date.
- In all cases, assignments submitted after assignments have been graded will not be marked, however, **student must complete all assignments prior to the final exam to be permitted to write the final exam.**
- A minimum of 60% (C) must be achieved in the course to gain credit for the purpose of continuing to courses for which this course is a prerequisite.

## SCHOOL OR DEPARTMENTAL INFORMATION

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See Program Website for more and ongoing information. <https://civil.camosun.bc.ca/Student/>

## STUDENT RESPONSIBILITY

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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

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

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.

### 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](http://camosun.ca/sexual-violence). To contact the Office of Student Support: [oss@camosun.ca](mailto: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.