



CAMOSUN COLLEGE
School of Trades and Technology
Department of Civil Engineering Technology

CIVE 132 X01, X02, X03
Graphical Communications 2
Winter 2018

COURSE OUTLINE

Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

1 Instructor Information

Instructor	Stephen Cowden	
Office hours	Monday 1:30 to 2:30	
Location	TEC 105	
Phone	250-370-4401	Alternative: _____
E-mail	cowdens@camsoun.bc.ca	
Website	http://civil.camosun.bc.ca/student/	

2 Prerequisites and Co-requisites

C in CIVE 131

3 Hours and Credits

Course Activity

- Lecture (Direct Instruction)
- Seminar (Direct Instruction)
- Lab /Collaborative Learning
- Supervised Field Practice
- Workplace Integrated Learning (Coop, Internship, etc.)
- Other* (please note):

Hours / Week	Instruction – No of Weeks (Q=11; S=14; "P or S" = 7)
4	14

Credits = 2

4 Short Description

Students further develop their drafting skills to create more complex drawings that include: 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.

Open to students in Civil Engineering Technology or by permission of department chair.

5 Intended Learning Outcomes

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

- Assemble a complex drawing set within computer aided design (CAD) software utilizing multiple layouts, scales and sheet sets.
- Apply CAD tools such as: annotation styles, attributed blocks, dynamic blocks, and cross-referencing to create more-complex and versatile drawing features.
- Create simple municipal and structural drawings that conform to prescribed drafting standards and practices.
- 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.

6 Course Content and Schedule

<i>Week</i>	<i>Topic</i>
1	Introduction to Structural Drafting
2	Block and layer review, creating a dynamic block
3	Steel dimensions and calculations, structural orthographic drawing
4	Weld symbols, layouts, structural isometric drawing
5	Plot styles, hatching
6	Reading break
7	Municipal drawings
8	Municipal drawings continued
9	CAD standards
10	CAD standards / Databases
11	Databases
12	Geographic Information Systems
13	Geographic Information Systems continued (section X01 misses due Easter Friday)
14	Geographic Information Systems continued (required for section X01 only)
15	Exam Week

7 Basis of Student Assessment

<i>Component</i>	<i>Weighting %</i>	<i>Comments</i>
Assignments	35	CAD based and written
Quizzes	20	2 Quizzes
Other	5	Instructor Assessment
Final Exam	40	
TOTAL	100	

8 Recommended Materials to Assist Students to Succeed Throughout the Course

- a) Texts – No text required
- b) Other – reference material posted on course website.

9 College Supports, Services and Policies



Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ <http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at <http://camosun.ca/>

College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at <http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

10 Grading System

- Standard Grading System (GPA)*
- Competency Based Grading System*

See [Camosun Grading Policy E-1.5](#)

11 Class Policies

- Unless otherwise noted, assignments are to be done individually and are due at the start of the next lab session after the date the assignment was assigned.
- Late assignments will have 10% deducted. Assignments submitted after graded assignments have been returned or solutions are posted are worth 0.
- You must submit all assignments in order to qualify to write the final exam.
- You must achieve 50% on the final exam in order to pass the course. In addition, a weighted average of 50% on all quizzes and exams must be achieved in order to pass the course.
- A minimum of 60% (C) must be achieved in the course in order to gain credit for the purpose of continuing to courses for which this course is a prerequisite.
- Full attendance at the lab sessions is expected.
- If you plan to miss a lab session you must speak to the instructor prior to the lab.
- If you miss a lab session without prior notice, you must contact the instructor as soon as possible after the missed lab.