



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

CIVE 132
Graphical Communications 2
Semester 2 - 2019
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	Perry R. Peterson	
Office hours	See Schedule Posted on Office	
Location	TEC 105	
Phone	Cell 250 812 2214	Alternative: Office 250-370-4401
E-mail	petersonp@camosun.bc.ca	
Website	http://civil.camosun.bc.ca/student/	

2 Prerequisites and Corequisites

- 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 <small>(Q=11; S=14; "P or S" = 7)</small>
4	14

Credits = #

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.

5 Intended Learning Outcomes

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.

6 Course Content and Schedule

<i>Week</i>	<i>Topic</i>
1	Drawing and Modify Entity review, Graphics Database, Introduction to Structural Drafting
2	Introduction to Structural Drafting Continued, Block and Layer review. Expanding on Dynamic Blocks
3	Info on steel dimensions, calculations, etc. Structural Drafting: Orthographic
4	Information on weld symbols, layouts, etc. Structural Drafting: Isometric
5	Structural Concrete
6	Municipal and Transportation Drawings
7	Reading Week
8	Municipal and Transportation Drawings Continued
9	CADD Standards
10	Quiz; Databases
11	Geographic Information Systems – Sourcing Data Types
12	Geographic Information Systems – Spatial Analysis
13	Geographic Information Systems – Webmaps
14	Geographic Information Systems – Webmaps Continued
15	Exam Week

7 Basis of Student Assessment

<i>Component</i>	<i>Weighting %</i>	<i>Comments</i>
Assignments	35%	Individual assignments, written or using AutoCAD
Final Exam	40%	No mid-term exam in this course. The final exam will be held during the exam week. It will be a combined written and practical (computer based). The final exam will be open 'book'.
Quizzes	15%	Quizzes will be open 'book'.
Other	10%	Instructor Assessment (attendance, effort, participation, maturity, cooperation, integrity, etc.). The average mark will be 7.5.
TOTAL	0	

8 Required Materials

- a) Texts – N/A
- b) Other – N/A

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

- 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.
- 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 are worth 0.
- You must complete all assignments prior to the final exam to be permitted to write the final exam
- You must pass the final 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.