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DRFT 2258: Diploma Utility Data and Setting-Up Projects

EFFECTIVE DATE

September 2021

DEPARTMENT

Drafting

DESCRIPTION

This course introduces students to the public utilities serving building projects. Students assess information about public utilities (e.g. availability, size, location, depth, material, pressure, and capacity) and prepare a set of drawing sheets to convey this information.

CREDITS

1.0

YEAR OF STUDY

2nd Year Post-secondary

PREREQUISITES

DRFT 2100 Integrated BIM Project

COREQUISITES

None

COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

- Collect utility information onsite (gas, water, sewer, storm drainage)
- Obtain and use site plans, services, elevations, to facilitate setting up projects
- Set up a project folder to accepted industry standards to detail information
- Create plot sheets (plumbing, fire, orientations)
- Consolidate available information (e.g., as-built drawings and operation and maintenance manuals) to facilitate setting up projects
- Apply the concepts and processes at a higher level, in a 3D Building Information Modeling setting

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 10

Lab: 20

INSTRUCTIONAL STRATEGIES

Lectures, video presentations, project-/problem-based learning, lab activities. The course may be offered face-to-face or in a blended format (mix of face-to-face and online)

GRADING SYSTEM

Letter Grade (A-F)

PASSING GRADE

D

EVALUATION PLAN

Type	Percentage	Assessment activity
Project	60	Minimum of 3 project-based major assignments of approximately equal value.
Quizzes/Tests	10	
Final Exam	30	

COURSE TOPICS

- Onsite utility information
- Civil engineer contact or the city contact regarding project utilities
- Site plans, services, elevations, etc. to facilitate project setup

LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

Broadway campus

1155 East Broadway
Vancouver, B.C. Canada
V5T 4V5

Downtown campus

250 West Pender Street
Vancouver, B.C. Canada
V6B 1S9

Annacis Island campus

1608 Cliveden Avenue
Delta, B.C. Canada
V3M 6P1

604.871.7000

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