



# DRFT 2256: Diploma Plumbing Systems for Buildings

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## EFFECTIVE DATE

September 2021

## DEPARTMENT

Drafting

## DESCRIPTION

This course introduces the student to the overall layout of plumbing and mechanical equipment for buildings for the mechanical engineering industry.

## 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:

- Determine the entrance and exit locations of utilities (gas, water, sewer, storm drainage)
- Determine plumbing fixture locations and requirements
- Determine shaft spaces, chase sizes for fixtures, mounts, carrier and overhead clearances
- Evaluate pipe routing options
- Prepare drawing layouts for small projects and executing redlines from designers for large projects
- Apply code system requirements to plumbing system
- 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

- Utility information onsite
- Civil engineer contact or the city regarding project utilities
- Site plans, services, elevations, etc. necessary to plumbing systems

## 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>.

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Generated at: 3:32 pm on Apr. 11, 2021