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DRFT 2260: Diploma Fire Suppression and Sprinkler Systems for Buildings

EFFECTIVE DATE

September 2021

DEPARTMENT

Drafting

DESCRIPTION

This course introduces the student to the overall layout of piping and equipment for buildings for the fire suppression systems 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 sprinkler pipe layout and positioning
- Explain operations and performance objectives of sprinkler and standpipe systems
- Describe different types of fire sprinkler systems and components
- Define the applicable building code and bylaw requirements for fire sprinkler and standpipes systems
- Prepare drawing layouts for small projects and executing redlines from designers for large 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

- Federal, provincial, and industrial Fire Suppression standards
- NFPA 13 sprinkler design and installation criteria
- Pipe schedules, sprinkler spacing, layout and positioning requirements
- Coordinating with other disciplines

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

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Vancouver, B.C. Canada
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Downtown campus

250 West Pender Street
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Annacis Island campus

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