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CMPT 1255: Revit Level 1

EFFECTIVE DATE

September 2020

DEPARTMENT

Computers - City Centre

DESCRIPTION

Revit software is a powerful design and documentation platform with applications in Building Information Modeling (BIM) systems, which includes architecture, construction, and structural engineering. In this instructor-led training, you will be introduced to the basics of Autodesk Revit, and the process of creating architectural plans. You will produce a set of drawings for a small commercial or residential project. Prior drafting and computer-aided design (CAD) knowledge will help you gain the most from this course. For online learning, having a second monitor is very useful but not essential. You will learn through hands-on demonstrations while interacting with a subject matter expert.

CREDITS

0.0

YEAR OF STUDY

Continuing Professional Development

PREREQUISITES

None

COREQUISITES

None

COURSE LEARNING OUTCOMES

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

- Navigate the Revit platform
- Identify some concepts used in BIM applications
- Create floor plans, elevations, and sections in Revit
- Apply and edit family types

PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

HOURS

Lecture: 0

Lab: 18

Other: 0

INSTRUCTIONAL STRATEGIES

GRADING SYSTEM

Satisfactory/Unsatisfactory

PASSING GRADE

Satisfactory (S), based on minimum 80% attendance.

EVALUATION PLAN

None

COURSE TOPICS

- Introduction to Revit and its applications in BIM
 - Revit interface and workspace
 - Drawing floor plans
 - Editing tools
 - Adding Levels
 - Creating Elevations and Sections
 - Inserting and editing components and families
 - Using array and align tool
 - Working with clipboard
 - Editing profiles
 - Section views
 - Creating sheet sets

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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Downtown campus

250 West Pender Street
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Annacis Island campus

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