

# COURSE OUTLINE

**Course Name:** Building Details

**Department Head/Coordinator:** Maurice Della-Savia

**Effective Date:** September 2012

<b>School or Centre:</b>		<b>Department:</b>	
Centre for Design		Drafting	
<b>Course History:</b>		<b>Year of Study:</b>	
Revised Course		1st Year Post-secondary	
<b>Name of Replacing Course (if applicable):</b>	Commercial Drafting Building D	<b>Course Number:</b>	DRFT 1354
		<b>Number of Credits:</b>	5.0

**Course Pre-requisites (if applicable):**

Level 2: DRFT 1226, DRFT 1250, DRFT 1251

**Course Co-requisites (if applicable):**

None

**PLAR (Prior Learning Assessment & Recognition)**

No  Yes (details below):

**Course Description:**

This course introduces the student to commercial drafting and detailing practices as they apply to concrete block and light steel framed buildings used in retail outlets. The student acquires knowledge of advanced drafting practices in construction materials, and Part 3 of the British Columbia Building Code.

## **Instructional Strategies:**

## **Course Learning Outcomes:**

- Construct drawings using accurate drafting standards
- Store documents applying the appropriate filing procedures
- Construct building views using the correct CAD tools and formats
- Identify and interpret commercial building codes and zoning bylaws to create graphical representations of structures
- Use graphic conventions to represent building practices and components in drawings
- Apply in context, terminology used in drafting, their school and work place
- Collect and classify a list of components to create schedules in drawings
- Research vendor suppliers to find correct products for their drawings
- Apply vendor specifications to their drawings

## **Program Learning Outcomes:**

- Describe concepts, and use drawing techniques to complete projects in orthographic projection, sectioning, dimensioning, auxiliary views and machine detailing.
- Use concepts of residential building construction and technology to plan and detail residential and commercial structures in accordance with local by-laws and the BC Building Code.
- Demonstrate effective use of Computer Aided Drafting (CAD) as a drafting technology tool.
- Use Computer Aided Drafting (CAD) software to produce assigned drawings.
- Prepare Architectural drawings of structures, which incorporate concrete, steel and wood.
- Apply terminology and conventions used in drafting, their school and work place.
- Develop a satisfactory level of comprehension of drafting and related trade skills and knowledge.
- Prepare resume, letter of applications and other related job search skills.

## Evaluation/Grading System

Grading System	Specify if 'Other':	Specify Passing Grade:
Letter Grades		60% C

## Components and Weighting of the Assessment/Evaluation Plan:

Type	Percentage	Evaluation Plan (provide a brief explanation for each component especially if value exceeds 35%):
Assignments	10	1 Drawing assignment of a floor plan layout and detail views at 1% 9 Drawing assignments of detail views at 1% each = 9%
Final Exam	30	1 MC/MA/SA/T&F/Sketching final written exam at 30% 1 Project of a set of commercial retail outlet drawings, 4 drawings a
Project	60	1 Project of a set of commercial retail outlet drawings, 4 drawings at 15% = 60%
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	<b>Total</b>	<b>100</b>

## Learning Environment/Type

Instruction Type	Hours Per Instruction Type	Comments
L - Classroom	40	
B - Lab (Computer, Chemistry...)	110	
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<b>Enter Total Hours</b>	<b>150</b>	

## Resource Material(s):

Resources are items in addition to tuition that the student is responsible for purchasing. Course resource information will be supplied by the department/instructor.

**Course Topics and Sequence Covered:**

- Drafting standards
- Filing procedures
- CAD standards
- Introduction to the RM-5 Zoning & Development Bylaw
- Building Codes – Introduction to BCBC Part 3
- Building construction materials including Concrete block & light steel framing
- Roofing materials & flashing details for flat roofs & parapets
- Sections and details for concrete block and light steel framed buildings
- Floor plans commonly used for retail outlets
- Vendor drawings
- Parking spaces for mixed retail and residential outlets
- Elevations commonly used for Commercial projects
- Door and window schedules used for Commercial projects

## **VCC Education and Education Support Policies**

There are a number of **Education** and **Education Support** policies that govern your educational experience at VCC, please familiarize yourself with them.

The policies are located on the VCC web site at:

**<http://www.vcc.ca/about-vcc/policies/index.cfm>**

To find out how this course transfers, visit the BC Transfer Guide at [www.bctransferguide.ca](http://www.bctransferguide.ca).

### **FOR COMMITTEE USE ONLY**

<b>Date Approved by Education Council:</b>		<b>Date Approved by VCC Board (if applicable):</b>	
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