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**Course Name:**

Samsung Systems and Controls

**Effective Date:**

January 2020

**School/Centre:**

Trades, Technology & Design

**Department:**

Electronic Repair Technology (4101)

Electronics (4101)

**Banner Course Name:**

Samsung Systems and Controls

**Subject Code:**

ELRT - Electronic Repair Technology

**Course Number**

1202

**Year of Study**

1st Year Post-secondary

**Credits:**

3

**Course Description:**

This course introduces students to basic troubleshooting, disassembly and re-assembly of Samsung domestic appliances.

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

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

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

No

### Course Learning Outcomes (CLO):

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

- CLO #1 Operate all cycles of 6 major domestic appliances
- CLO #2 Program all diagnostic self-tests for 6 major domestic appliances
- CLO #3 Fully disassemble 6 major domestic appliances
- CLO #4 Fully reassemble 6 major domestic appliances
- CLO #5 Demonstrate full functionality after reassembly of 6 major domestic appliances
- CLO #6 Diagnose and troubleshoot error codes and faults for 6 major domestic appliances

### Instructional Strategies:

Daily instructional time is divided equally between classroom activity and practical workshop experience

Classroom activity consists of lectures, demonstrations, audio-visual presentations and exercises that provide a practical working knowledge of concepts discussed. Extensive workshop experience is provided to reinforce theoretical concepts, develop hand skills and achieve familiarity with a variety of electronic equipment and apparatus.

## Evaluation and Grading

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### Grading System:

Letter Grade (A-F)

### Passing grade:

C

### Evaluation Plan:

Type	Percentage	Brief description of assessment activity
Quizzes/Tests	40	4 quizzes
Exam	60	6 exams (10% per major domestic appliance)

## Hours by Learning Environment Type

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Lecture, Seminar, Online

Lab, Clinical, Shop, Kitchen, Studio, Simulation

75

Practicum

Self Paced / Individual Learning

## Course Topics

### Course Topics:

Disassembly and reassembly of six major domestic appliances: Refrigerator, Electric Stove, Dishwasher, Top-load Washer, Electric Dryer, and Counter Top Microwave Oven

Testing for appliance full functionality

Diagnosing and troubleshooting domestic appliances

**Program and course contents and descriptions, offerings and schedules are subject to change without notice.**

### 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.

### 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 <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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### Broadway campus

1155 East Broadway, Vancouver, B.C., Canada V5T 4V5 ■ Tel 604.871.7000

### Downtown campus

250 West Pender Street, Vancouver, B.C., Canada V6B 1S9 ■ Tel 604.443.8300