



vcc.ca

Course Name:

Electronic Systems 3

Effective Date:

May 2019

School/Centre:

Trades, Technology & Design

Department:

Heavy Mechanical Technology Diploma International(4305)

Banner Course Name:

Electronic Systems 3

Subject Code:

HMTD - Heavy Mechanical Technician

Course Number

2210

Year of Study

2nd Year Post-secondary

Credits:

1

Course Description:

Truck and Machine Management Systems: Theory, Diagnose, Repair. This course introduces students to vehicle management systems.

Course Pre-Requisites (if applicable):

Admission to the Heavy Mechanical Technology program.

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 Describe vehicle management systems.
- CLO #2 Diagnose and repair vehicle management systems.
- CLO #3 Perform advanced diagnostics on truck and machine control systems (Cab control module, traction and stability control, ABS, transmission control, HVAC module etc.).

Instructional Strategies:

Instructional strategies include classroom lectures, demonstrations, group discussions, computer lab and hands-on practical work.

Evaluation and Grading

Grading System:

Percentages

Passing grade:

70%

Evaluation Plan:

Type	Percentage	Brief description of assessment activity
Other	30	Theory- includes formative assessments, assignments, and a summative assessment.
Other	70	Practical- includes shop tasks, active participation and teamwork, workplace behavior, use of tools and equipment.

Hours by Learning Environment Type

Lecture, Seminar, Online

7.5

Lab, Clinical, Shop, Kitchen, Studio, Simulation

17.5

Practicum

Self Paced / Individual Learning

Course Topics

Course Topics:

1. Vehicle management systems.
2. Diagnosis and repair of vehicle management systems.
3. Advanced diagnostics on truck and machine control systems (Cab control module, traction and stability control, ABS, transmission control, HVAC module, etc.).

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>.

Broadway campus

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Downtown campus

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