



vcc.ca

Course Name:

Powertrain 8

Effective Date:

May 2019

School/Centre:

Trades, Technology & Design

Department:

Heavy Mechanical Technology Diploma International(4305)

Banner Course Name:

Powertrain 8

Subject Code:

HMTD - Heavy Mechanical Technician

Course Number

2204

Year of Study

2nd Year Post-secondary

Credits:

1

Course Description:

Return to Service: Inspection and Run-up. This course introduces the students to start and run-up procedures, monitoring, diagnostics, and inspection before placing unit into service.

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 Perform initial start and run-up procedures.

CLO #2 Monitor unit operation after initial start-up.

CLO #3 Diagnose and repair faults before placing unit into service.

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 50	Theory- includes formative assessments, assignments, and a summative assessment.
Other 50	Practical- includes shop tasks, active participation and teamwork, workplace behavior, use of tools and equipment.

Hours by Learning Environment Type

Lecture, Seminar, Online

12.5

Lab, Clinical, Shop, Kitchen, Studio, Simulation

12.5

Practicum**Self Paced / Individual Learning****Course Topics**

Course Topics:
1. Initial start and run-up procedures.
2. Unit operation after initial start-up.
3. Diagnosis and repair of faults before placing unit into service.

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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