



vcc.ca

Course Name:

Hydraulic Systems 3

Effective Date:

May 2019

School/Centre:

Trades, Technology & Design

Department:

Heavy Mechanical Technology Diploma International(4305)

Banner Course Name:

Hydraulic Systems 3

Subject Code:

HMTD - Heavy Mechanical Technician

Course Number

1203

Year of Study

1st Year Post-secondary

Credits:

1

Course Description:

Service. This course introduces the students to performing scheduled maintenance of hydraulic systems, hydraulic fluids and hydraulic hoses and fittings.

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	Select hydraulic fluids for applications.
CLO #2	Select hydraulic hoses and fittings.
CLO #3	Select and assemble hydraulic hoses and fittings.
CLO #4	Demonstrate safe work procedures for hydraulic system service.
CLO #5	Perform scheduled maintenance of hydraulic systems including fluid and filter change, and re-pressurizing of system (if applicable).

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. Hydraulic fluids for applications.
2. Hydraulic hoses and fittings.
3. Assembling hydraulic hoses and fittings.
4. Safe work procedures for hydraulic system service.
5. Scheduled maintenance of hydraulic systems including fluid and filter change, and re-pressurizing of system (if applicable).

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

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