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**Course Name:**

Frames & Suspension

**Effective Date:**

May 2019

**School/Centre:**

Trades, Technology & Design

**Department:**

Heavy Mechanical Technology Diploma International(4305)

**Banner Course Name:**

Frames & Suspension

**Subject Code:**

HMTD - Heavy Mechanical Technician

**Course Number**

1113

**Year of Study**

1st Year Post-secondary

**Credits:**

1

**Course Description:**

This course introduces students to frame types, and the diagnosis and repair of frames and suspension.

**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 rail and frame types.          |
| CLO #2 | Diagnose and repair frames.             |
| CLO #3 | Describe suspension systems.            |
| CLO #4 | Diagnose and repair suspension systems. |

**Instructional Strategies:**

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

## Evaluation and Grading

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**Grading System:**

Percentages

**Passing grade:**

70%

**Evaluation Plan:**

| Type Percentage | Brief description of assessment activity   |
|-----------------|--|
| Other 20        | Theory- includes formative assessments, assignments, and a summative assessment.                                   |
| Other 80        | Practical- includes shop tasks, active participation and teamwork, workplace behavior, use of tools and equipment. |

## Hours by Learning Environment Type

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**Lecture, Seminar, Online**

5

**Lab, Clinical, Shop, Kitchen, Studio, Simulation**

20

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

| Course Topics:                                 |
|--|
| 1. Rail and frame types.                       |
| 2. Diagnosis and repair of frames.             |
| 3. Suspension systems.                         |
| 4. Diagnosis and repair of suspension systems. |

**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**

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**Downtown campus**

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