



## **REQUIRED TEXT/RESOURCE MATERIALS:**

### **Caterpillar Material**

### **Caterpillar Service Industry**

#### *Unit 4: Connective Devices*

Lesson 2 – Hoses and Seals

Lesson 3 – Bearings

### **Alberta Apprenticeship and Industry Training Individual Learning Modules Heavy Equipment Technician (HET)**

- 190102a – Frame and Suspension Fundamentals
- 190102b – Frame and Suspension Service
- 190102c – Bearings and Seals
- 190102d – Wheels, Tires and Hubs
- 190102e – Trailer Systems and Components
- 190102f – Coupling Units Fundamentals and Service
- 190102g – Landing Gear Fundamentals and Service
- 190102h – Orientation to Trailer Inspection
- 190102i – Preventive Maintenance
- 190205f – Non-Electric Cranking Systems

## **DELIVERY MODE(S):**

In person – Onsite. This course is delivered in person at the NWP Fairview campus.

- NWP reserves the right to change the course delivery.

## **LEARNING OUTCOMES:**

**TRANSFERABILITY:** None.

## EVALUATION:

Truck and Trailer Suspension and Steering ..... 48 / 240 hours = 20 %  
of Semester 2 mark

Exams Average = \_\_\_\_\_ x 45%

Class Assignments/Quizzes/Labs = \_\_\_\_\_ x 55%

Shop = \_\_\_\_\_ x 25%

HES221 VA22 FINAL MARK = \_\_\_\_\_ %

## GRADING CRITERIA:

Students must complete all required courses with no failing (F) grades. A passing grade in this course is a **minimum of 70%**. Grades for this course will be assigned as a percentage. Failure to achieve a minimum grade of 70% will result in removal from the Think BIG program.

## COURSE SCHEDULE/TENTATIVE TIMELINE:

**STUDENT RESPONSIBILITIES:** This is an adult education environment. Enrolment at Northwestern Polytechnic assumes that the student will become a responsible citizen of the College. As such, each student will display a positive work ethic, take pride in and assist in the maintenance and preservation of Institute property, and assume responsibility for his/her education by researching academic requirements and policies, demonstrating courtesy and respect toward others; and respecting instructor expectations concerning attendance, classroom and shop rules, safety, assignments, deadlines and appointments. Students are learning skills to prepare them for the work environment.

Following the guidelines in “Student Rights and Responsibilities” in the NWP College calendar assist us all in maintaining an adult learning environment. Please refer to the Student Rights and Responsibilities policy in the Northwestern Polytechnic Calendar or at [www.nwpolytech.ca/downloads/documents/StudentRightsandResponsibilities.pdf](https://www.nwpolytech.ca/downloads/documents/StudentRightsandResponsibilities.pdf).

## STATEMENT ON PLAGIARISM AND CHEATING:

Cheating and plagiarism will not be tolerated and there will be penalties. For a more precise definition of plagiarism and its consequences, refer to the Student Conduct section of the Northwestern Polytechnic Calendar at <https://www.nwpolytech.ca/programs/calendar/> or the Student Rights and Responsibilities policy which can be found at <https://www.nwpolytech.ca/about/administration/policies/index.html>.

\*\*Note: all Academic and Administrative policies are available on the same page.

**Additional Information (Optional):**