

Transportation Trades Department

COURSE OUTLINE – HARLEY-DAVIDSON® THEORY

HD210 FALL 2022 - AUGUST 29, 2022 TO DECEMBER 9, 2022

150 Hours for 15 Weeks – Credits: 7

Northwestern Polytechnic acknowledges that our campuses are located on Treaty 8 territory, the ancestral and present-day home to many diverse First Nations, Metis, and Inuit people. We are grateful to work, live and learn on the traditional territory of Duncan's First Nation, Horse Lake First Nation and Sturgeon Lake Cree Nation, who are the original caretakers of this land.

We acknowledge the history of this land and we are thankful for the opportunity to walk together in friendship, where we will encourage and promote positive change for present and future generations.

| | | | |
|----------------------|---|----------------|--|
| INSTRUCTOR: | Peter Sellers Carl Ball | PHONE: | 780-835-6643 780-835-6655 |
| OFFICE: | FTD 101A. Trev Deeley Building, Fairview Campus | E-MAIL: | psellers@nwpolytech.ca cball@nwpolytech.ca |
| OFFICE HOURS: | M-F 8.30 – 4.30 | | |

CALENDAR DESCRIPTION:

This course is the theory component for all elements provided in HD 260.

PREREQUISITE(S)/COREQUISITE:

Applicants must have English 10-1 or 10-2 and Math 10C or 10-3. Those who do not meet these requirements but wish to be considered for admission are encouraged to contact the Program office.

REQUIRED TEXT/RESOURCE MATERIALS:

Program Course Pack

DELIVERY MODE(S):

| | Average Remote Hours per Week | Length of Course in Weeks | Total Hours |
|-----------------|-------------------------------|---------------------------|-------------|
| Lecture | 10 | 15 | 150 |
| Lab | | | |
| Practicum | | | |
| Work Experience | | | |
| Seminar | | | |
| Tutorial | | | |
| Course Totals → | 10 | 15 | 150 |

COURSE OBJECTIVES:

For those who are employed, or who seek employment at an authorized Harley-Davidson Retailer, the course provides product-specific training to the latest Harley-Davidson Motor Company factory standards.

LEARNING OUTCOMES:**TRANSFERABILITY:**

Non-Available

EVALUATIONS:

| Areas of Evaluation | Percentage of Total Course Mark | Timelines, Quality Standards |
|---------------------|--|------------------------------|
| Final Exam | 30% | |
| Theory Assignments | 70% | |
| Comments: | Absences for tests will result in a score of zero. 2.0 Grade Point average required for successful completion = C=63% | |

GRADING CRITERIA:

| Areas of Evaluation | Percentage of Total Course Mark | Timelines, Quality Standards |
|---------------------|---------------------------------|--|
| Week 1 | 100% | General studies (written test only) |
| Module 1-3: | 30% 70%. | Theory Homework, Module Written Exam |
| Weekly Performance | | must be completed and passed (Min 63% as per NWP standard) to receive NWP Certificate. Students must pass both Theory & Shop components to pass each Module. |

Please note that most universities will not accept your course for transfer credit **IF** your grade is **less than C-**.

| Alpha Grade | 4-point Equivalent | Percentage Guidelines | | Alpha Grade | 4-point Equivalent | Percentage Guidelines |
|-------------|--------------------|-----------------------|--|-------------|--------------------|-----------------------|
| A+ | 4.0 | 90-100 | | C+ | 2.3 | 67-69 |
| A | 4.0 | 85-89 | | C | 2.0 | 63-66 |
| A- | 3.7 | 80-84 | | C- | 1.7 | 60-62 |
| B+ | 3.3 | 77-79 | | D+ | 1.3 | 55-59 |
| B | 3.0 | 73-76 | | D | 1.0 | 50-54 |
| B- | 2.7 | 70-72 | | F | 0.0 | 00-49 |

COURSE SCHEDULE/TENTATIVE TIMELINE:

| | |
|---------|---|
| Week 1 | General studies 100% (written test only) |
| Week 2 | Shop Safety, Tools, HD-270, Dealer Operations, Model ID |
| Week 3 | Basic measurement. Brake system, ABS |
| Week 4 | Tires and wheels, Wheel Building, Wheel Bearing Service |
| Week 5 | Front suspension and steering head, Chassis geometry |
| Week 6 | Rear swing arm, suspension and Vehicle alignment |
| Week 7 | Basic electrical/ Fluke Meter, Digital Technician |
| Week 8 | Charging systems, batteries, wiring & connector repair |
| Week 9 | Starting system, Volt Drop Testing |
| Week 10 | Engine Management |
| Week 11 | Primary drive and clutch |
| Week 12 | Clutch, primary drive and Transmission, 4 stroke theory and Diagnostics |
| Week 13 | Service Checks |

Week 14 Big Twin (Twin Cam 96 and M-8) Powertrain

Week 15 Middleweight (Street and Sportster) Powertrain

NOTE - ORDER OF PRESENTATION MAY BE SUBJECT TO CHANGE

STUDENT RESPONSIBILITIES:

- This is an adult education environment.
- Students are expected to show respect for others.
- 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.

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):

Instructors may add whatever they want here.