



**DEPARTMENT OF MOTORCYCLE & RECREATIONAL POWERSPORTS**

**COURSE OUTLINE – HARLEY-DAVIDSON® SHOP**

**HD260 WINTER 2015**

**MARCH 2 – JUNE 12, 2015**

**INSTRUCTOR:** ANTONELLO, **PHONE:** 780-835-6643  
 Maurice 780-835-6655  
 BALL, Carl

**OFFICE:** **FTD 101A** **E-MAIL:** mantonello@gprc.ab.ca  
 Trev Deeley cball@gprc.ab.ca  
 Building,  
 Fairview Campus

**OFFICE HOURS:** M-F 8.30 – 4.30

**PREREQUISITE(S)/COREQUISITE:**

Applicants must have English 10 and Math 10. 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:**

Modern Motorcycle Technology

Motorcycle Electrical Systems

Harley-Davidson Museum® Shop Class Book

GPRC Program Course Pack and Worksheets

First Period AST ILM Measuring Tools 090101c

**CALENDAR DESCRIPTION:**

This course provided skill development in precision measurement; Twin Cam 88/88B, V-Rod, Sportster and Buell engines; transmission rebuild 5 and 6-speed; wheel building and truing; brake systems overhaul and servicing; carburetion rebuild and adjustments; electrical systems charging, starting and ignitions; EFI systems; accessory fitting; clutches; Buell service; suspension tuning; PDI and service inspections; chassis alignment; tire fitment; safety; customer service and shop management.

**CREDIT/CONTACT HOURS:** Credits: 7 Contact Hours: 300

**DELIVERY MODE(S):**

	Average Hours per Week	Length of Course in Weeks	Total Hours
Lecture			
Lab	20	15	300
Course Totals →	20	15	300

**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.

**TRANSFERABILITY:**

None Available

**GRADING CRITERIA:**

**GRANDE PRAIRIE REGIONAL COLLEGE**

**GRADING CONVERSION CHART**

<b>Alpha Grade</b>	<b>4-point Equivalent</b>	<b>Percentage Guidelines</b>	<b>Designation</b>
<b>A<sup>+</sup></b>	<b>4.0</b>	<b>90 – 100</b>	<b>EXCELLENT</b>
<b>A</b>	<b>4.0</b>	<b>85 – 89</b>	
<b>A<sup>-</sup></b>	<b>3.7</b>	<b>80 – 84</b>	<b>FIRST CLASS STANDING</b>
<b>B<sup>+</sup></b>	<b>3.3</b>	<b>77 – 79</b>	
<b>B</b>	<b>3.0</b>	<b>73 – 76</b>	<b>GOOD</b>
<b>B<sup>-</sup></b>	<b>2.7</b>	<b>70 – 72</b>	
<b>C<sup>+</sup></b>	<b>2.3</b>	<b>67 – 69</b>	<b>SATISFACTORY</b>
<b>C</b>	<b>2.0</b>	<b>63 – 66</b>	
<b>C<sup>-</sup></b>	<b>1.7</b>	<b>60 – 62</b>	
<b>D<sup>+</sup></b>	<b>1.3</b>	<b>55 – 59</b>	<b>MINIMAL PASS</b>
<b>D</b>	<b>1.0</b>	<b>50 – 54</b>	
<b>F</b>	<b>0.0</b>	<b>0 – 49</b>	<b>FAIL</b>
<b>WF</b>	<b>0.0</b>	<b>0</b>	<b>FAIL, withdrawal after the deadline</b>

**EVALUATIONS:**

<b>Areas of Evaluation</b>	<b>Percentage of Total Course Mark</b>	<b>Timelines, Quality Standards</b>
Final Exam	<b>50%</b>	
All Other Exams	<b>50%</b>	
<b>Comments:</b>	Absences for tests will result in a score of zero. 2.0 Grade Point average required for successful completion = C=63%	

**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 GPRC College calendar assist us all in maintaining an adult learning environment.

### **STATEMENT ON PLAGIARISM AND CHEATING:**

Refer to the College Policy on Student Misconduct: Plagiarism and Cheating at

[https://www.gprc.ab.ca/files/forms\\_documents/Student\\_Misconduct.pdf](https://www.gprc.ab.ca/files/forms_documents/Student_Misconduct.pdf)

\*\*Note: all Academic and Administrative policies are available at

<https://www.gprc.ab.ca/about/administration/policies/>

### **COURSE SCHEDULE/TENTATIVE TIMELINE:**

Week 1	Computer & HD270 Orientation, Vehicle ID, Harley-Davidson History, Shop Safety/WHMIS, Tools Manuals Digital Technician Introduction
Week 2	Dealer Operations, Basic Measurement, Brakes
Week 3	Tires & Bearings
Week 4	Wheel Building
Week 5	Front Fork/Steering Head
Week 6	Rear End Alignment
Week 7	Basic Electrical/Wiring, Battery & Charging Systems
Week 8	Charging, Starter
Week 9	Starter, Engine Management, Carburation
Week 10	Engine Management, Guided Diagnostics On Bugged Bikes TSSM/HFSM/Radio/Handlebar
Week 11	Clutch & Drive, 5 Speed Transmission
Week 12	6 Speed Transmission, Lubrication And Scheduled Service Checks
Week 13	PDI/Service/Paint Repair, Dyno/Super Tuner, 4 Stroke Theory, Engine Diagnostics, VRSC Valve Lash
Week 14	Big Twin and Sportster Engine
Week 15	Practical Testing, Cleanup and Review, Final Exam

***NOTE - ORDER OF PRESENTATION MAY BE SUBJECT TO CHANGE***