



**DEPARTMENT OF AUTOMOTIVE AND PARTS
COURSE OUTLINE – WINTER 2011 SEMESTER B**

JANUARY 3 – MAY 4, 2012

HA 141 BASIC ENGINES – 3.5 CREDITS 60 HOURS

INSTRUCTOR: Ryan Peterson **PHONE:** 780.835.6733
OFFICE: FTI 224 **E-MAIL:** RPeterson@GPRC.ab.ca

OFFICE Monday through Friday.
HOURS: 8:00 – 8:30 a.m. and 4:00 – 5:00 p.m.

PREREQUISITE(S)/COREQUISITE: None.

REQUIRED TEXT/RESOURCE MATERIALS: None.

CALENDAR DESCRIPTION: This course includes engine operating principles, mechanical diagnostics, disassembly, inspection, reassembly and common service procedures on typical automotive gasoline and diesel engines.

Delivery Option – Fairview Campus Only

CREDIT/CONTACT HOURS: 3.5 credits; 60 hours.

DELIVERY MODE(S): Instructor led; 80% lab, 20% classroom.

OBJECTIVES:

Upon completion of this course the student will be able to:

1. Explain engine operating principles.
2. Diagnose common mechanical faults.
3. Safely disassemble, measure, and reassemble an engine.

TRANSFERABILITY: None.

GRADING CRITERIA: Students must complete all required courses with a grade point average of no less than 2.00 and no failing (F) grades.

Theory: 20%. Workshop skills assessment: 80%. Course pass mark is 65%.

GRANDE PRAIRIE REGIONAL COLLEGE			
GRADING CONVERSION CHART			
Alpha Grade	4-point Equivalent	Percentage Guidelines	Designation
A⁺	4.0	90 – 100	EXCELLENT
A	4.0	85 – 89	
A⁻	3.7	80 – 84	FIRST CLASS STANDING
B⁺	3.3	77 – 79	
B	3.0	73 – 76	GOOD
B⁻	2.7	70 – 72	
C⁺	2.3	67 – 69	SATISFACTORY
C	2.0	65 – 66	
F	0.0	60 – 64	FAIL
F	0.0	55 – 59	
F	0.0	50 – 54	
F	0.0	0 – 49	
WF	0.0	0	FAIL, withdrawal after the deadline

EXAMINATIONS: 1 written exam at end of course: 20% of grade.

Workshop skills assessment 80% of grade.

STUDENT RESPONSIBILITIES:

Please refer to the Student Rights and Responsibilities policy in the Grande Prairie Regional College Calendar or at

www.gprc.ab.ca/downloads/documents/StudentRightsandResponsibilities.pdf.

STATEMENT ON PLAGIARISM AND CHEATING:

Please refer to

www.gprc.ab.ca/downloads/documents/Student%20Misconduct%20Plagiarism%20and%20Cheating.pdf regarding plagiarism, cheating and the resultant penalties. These are serious issues and will be dealt with severely.

COURSE SCHEDULE/TENTATIVE TIMELINE: Semester B.