DEPARTMENT OF AUTOMOTIVE AND PARTS

COURSE OUTLINE – FALL 2012 SEMESTER A

OCTOBER 29 – DECEMBER 21, 2012

HA 181 BASIC MATERIALS, TOOLS AND SKILLS – 2.0 CREDITS 30 HOURS

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

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

PREREQUISITE(S)/COREQUISITE: None.

REQUIRED TEXT/RESOURCE MATERIALS:

Alberta Apprenticeship and Industry Training Individual Learning Modules*:

090101 b	Measuring Tools
090101c	Specialty Hand Tools
090101d	Fastening Devices
090101e	Safety
190101b	Lifting Procedures and Wire Rope

*Part of the AIT General Mechanics Module Package.

CALENDAR DESCRIPTION: This theory course includes trade terminology, lifting devices and procedures, wire rope, fasteners, electric and pneumatic hand tools, and measuring tools. Safe work skills and attitudes are stressed, including personal and fire safety.
Delivery Option – Fairview Campus Only

CREDIT/CONTACT HOURS: 2.0 credits; 3 hours per day; 2.5 weeks; 40 hours.

DELIVERY MODE(S): Instructor led; project based.

OBJECTIVES:

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

1. Effectively communicate trade related information and terminology.
2. Demonstrate understanding of various paper based and electronic service information.
3. Demonstrate accurate usage of precision and non precision measuring tools to perform linear measurements in Imperial and SI units.
4. Understand and use decimal, fraction, Imperial, metric measuring systems.
5. Select, maintain, and safely use tubing tools, drills and reamers, taps and dies, metal cutting and shaping tools.
6. Demonstrate accurate selection, use, and procedures for threaded fasteners, miscellaneous fasteners.
7. Demonstrate repair procedures for broken fasteners.

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. Course pass mark is 63%.

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	63 – 66	
F	0.0	60 – 62	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: Theory: paper based, multiple choice, short answer. Test 80%; Quizzes 20%.

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 A.