



**DEPARTMENT OF AUTOMOTIVE AND PARTS**  
**COURSE OUTLINE – FALL 2011 SEMESTER A**  
**SEPTEMBER 12 – DECEMBER 16, 2011**

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

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 65%.

<b>GRANDE PRAIRIE REGIONAL COLLEGE</b>			
<b>GRADING CONVERSION CHART</b>			
<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>65 – 66</b>	
<b>F</b>	<b>0.0</b>	<b>60 – 64</b>	<b>FAIL</b>
<b>F</b>	<b>0.0</b>	<b>55 – 59</b>	
<b>F</b>	<b>0.0</b>	<b>50 – 54</b>	
<b>F</b>	<b>0.0</b>	<b>0 – 49</b>	
<b>WF</b>	<b>0.0</b>	<b>0</b>	<b>FAIL, withdrawal after the deadline</b>

**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](http://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](http://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.