



## **DEPARTMENT OF WELDING, CTO AND INSTRUMENTATION**

**COURSE OUTLINE – WINTER 2012 – FEBRUARY 27 – JUNE 22, 2012**

**ITW11 TRADES MATH – 3 CREDITS 48 HOURS**

**INSTRUCTOR:** TBA

**PHONE:** 780.835.6742

**OFFICE:** FM2-116

**E-MAIL:** BShmyruk@gprc.ab.ca

**OFFICE HOURS:** 8:00 a.m. – 4:30 p.m.

**PREREQUISITE(S)/COREQUISITE:** None.

### **REQUIRED TEXT/RESOURCE MATERIALS:**

Alberta Apprenticeship and Industry Training Individual Learning Modules

First Year Modules Welder (WEL)

### Optional Textbooks:

IPT's Metal Trades and Welding Handbook

Ronald G. Garby  
ISBN -0920855199

Metals and How to Weld Them

Ted B. Jefferson

### Other Required Supplies:

- approved protective clothing (footwear, coveralls, etc.)
- approved safety glasses
- two 3" ring binders
- welder's hat or beanie
- ear plugs
- pencils
- welder's gloves
- lock
- calculator (non-programmable, with square root function)

**CALENDAR DESCRIPTION:** This course covers the Trades Math component of Alberta Apprenticeship Welder Training, 1<sup>st</sup> Period. Topics include: whole numbers and fractions, decimals, percentages and ratio, perimeters, areas, volumes, conversions and metric.

**CREDIT/CONTACT HOURS:** 3 credits; 6 hours per week; 8 weeks; 48 hours.

**DELIVERY MODE(S):** Instructor led classroom theory.

**OBJECTIVES (OPTIONAL):** To ensure student is knowledgeable and competent in the following topics:

- whole numbers and fractions
- perimeters
- conversions and metric
- decimals
- areas
- percentages and ratio
- volumes

**TRANSFERABILITY:** Not applicable.

**GRADING CRITERIA:**

Students must complete all required courses with a grade point average of no less than 2.00 and no failing (F) grades. A passing grade in this course is a minimum of 65%.

| GRANDE PRAIRIE REGIONAL COLLEGE |                    |                       |                                     |
|---------------------------------|--------------------|-----------------------|-------------------------------------|
| GRADING CONVERSION CHART        |                    |                       |                                     |
| Alpha Grade                     | 4-point Equivalent | Percentage Guidelines | Designation                         |
| A <sup>+</sup>                  | 4.0                | 90 – 100              | EXCELLENT                           |
| A                               | 4.0                | 85 – 89               |                                     |
| A <sup>-</sup>                  | 3.7                | 80 – 84               | FIRST CLASS STANDING                |
| B <sup>+</sup>                  | 3.3                | 77 – 79               |                                     |
| B                               | 3.0                | 73 – 76               | GOOD                                |
| B <sup>-</sup>                  | 2.7                | 70 – 72               |                                     |
| C <sup>+</sup>                  | 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 |

## **EVALUATIONS:**

| <b>Areas of Evaluation</b> | <b>Percentage of Total Course Mark</b> |
|----------------------------|--|
| Unit Tests                 | 60% (5 Term Tests)                     |
| Final Exam                 | 40%                                    |

## **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).

## **ATTENDANCE REQUIREMENTS:**

Lack of regular attendance will have a bearing on student evaluation. Regular attendance and punctuality in all courses is mandatory. Failure to maintain the necessary level of attendance may result in the offending student being withdrawn from the course. Certain unavoidable absences may be excused by the instructor. In such cases the student shall make every effort to inform the instructor prior to being absent. Absence from class must fall into the following categories to be excusable:

- Severe family or personal illness.
- Bereavement.
- Road/weather conditions.
- Pre-arranged or pre-approved absence (to be approved PRIOR to absence).

Students who accumulate 30 hours of absence within the program will be placed on academic probation. If attendance continues to be a problem, program staff will consider action on a case by case basis. Late entry to class will be considered 1.5 hours late.

Final exam date is firm. Students with excused absences may request to rewrite unit tests. The onus is on the student to apply.

## **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:**

6 hours per week for 8 weeks – January 3 to April 20th, 2012.