



DEPARTMENT OF MOTORCYCLE AND RECREATIONAL POWERSPORTS

COURSE OUTLINE – FALL 2012, SEMESTER 1

SEPTEMBER 4 – DECEMBER 21, 2012

MCM 100 THEORY I – 9.5 CREDITS 160 HOURS

INSTRUCTOR:	Dan Bruce Brad Chorney Mike Gamble	PHONE:	780.835.6740 Press 1 780.835.6740 Press 2 780.835.6628
OFFICE:	FM2 – 018 FM2 – 018 FM2 – 018 Monday through Friday.	E-MAIL:	DBruce@GPRC.ab.ca BChorney@GPRC.ab.ca MGamble@GPRC.ab.ca
OFFICE HOURS:	8:00 – 5:00 p.m.		

PREREQUISITE(S)/COREQUISITE: None.

REQUIRED TEXT/RESOURCE MATERIALS:

Alberta Apprenticeship and Industry Training Individual Learning Modules

Shop Procedures Package:

- 090101aA Communication – Part A
- 090101aB Communication – Part B
- 090101b Measuring Tools
- 090101c Specialty Hand Tools
- 090101d Fastening Devices
- 090101e Safety
- 150101n Hand Grinding Machines
- 150101o Drilling Machines
- 190101f Oxy-Fuel Equipment, Heating and Cutting

REQUIRED TEXT/RESOURCE MATERIALS (continued):

Other Textbooks:

Modern Motorcycle Technology (text and workbook)

Edward ABDO – Delmar

Other Required Supplies:

- 3-ring binder(s) (3")
- loose leaf paper
- pencils
- eraser, etc.
- pens
- calculator (non-programmable CASIO fx-260)

Apprenticeship Prior Learning Assessment Fee: \$150 fee (currently under review) for assessment to write 1st Year Apprenticeship Exam in Fall, 2012 term.

CALENDAR DESCRIPTION: Subjects include shop safety, hand tools, measuring tools, wheels and tires, brake system operation, frame and suspension operation, basic electricity and lighting systems, carburetion, two-stroke tuning, two-stroke top end rebuild, motorcycle assembly, PDI, storage procedures, final drive operation, inspection and maintenance, lubrication and cooling systems, safe use of oxyacetylene welding equipment, recognition and interpretation of motorcycle parts.

Delivery Option – Fairview Campus Only

CREDIT/CONTACT HOURS: 9.5 credits; 10 hours per week; 16 weeks; 160 hours.

DELIVERY MODE(S): Instructor led classroom theory.

OBJECTIVES: The Pre-Employment Motorcycle Mechanic program has been developed to provide students with entry level skills in the motorcycle mechanic technologies and provide pre-apprenticeship opportunities for those who may be interested in pursuing apprenticeship.

Motorcycle Mechanic Training Goal

I. PROFICIENT

- A. A thorough competence derived from training and practice (skilled).
 - 1. COMPETENCE – having suitable or adequate ability.
 - 2. ABILITY – physical and/or mental power to perform.
- B. Well advanced in an occupation or branch of knowledge.

II. OCCUPATION

- A. An activity serving as one's regular employment.

III. PRACTICE

- A. To perform or work at repeatedly to become proficient (acquire skill).
 - 1. SKILL – specialized knowledge and ability.
- B. To do repeated exercises for proficiency.
- C. To pursue a profession actively.
 - 1. PROFESSION – occupation requiring advanced education.

➤ The goal of apprenticeship training is to develop a competent journeyman through a combination of on-the- job and technical training.

TRANSFERABILITY: None.

GRADING CRITERIA: Students must complete all required courses with a grade point of 2.0 or higher; a percentage of 63% or higher; a “C” letter grade or higher, and no failing grades. A student must pass each course individually in order to receive a Certificate of Achievement in Pre-Employment Motorcycle Mechanic.

Absence for tests or assignment missed will result in a score of zero.

No supplemental tests and/or examinations available.

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	
C ⁻	0.0	60 – 62	FAIL
D ⁺	0.0	55 – 59	
D	0.0	50 – 54	
F	0.0	0 – 49	
WF	0.0	0	FAIL, withdrawal after the deadline

EVALUATIONS:

Areas of Evaluation	Percentage of Total Course Mark
Weekly Tests	40%
Final Exam	45%
Assignment(s)	5%
Attendance	10%

Introduction to Oxyacetylene Welding (Safety)

As determined by Welding Department. Final mark included as a weekly test in MCM 100.

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

PROFESSIONAL CONDUCT

Students are in a public facility and will be expected to act accordingly. This includes: attitude towards others and refraining from use of offensive language. Everyone is entitled to experience a cordial environment. Remember, you are responsible for the attitude you bring to class every day!

GPRC Fairview Campus property is public domain, therefore Alberta traffic rules and laws apply to all parking lots and roadways (enforced by R.C.M.P.).

GPRC TRAINING UNITS ARE NOT TO BE RIDDEN AT ANY TIME!

Helmet usage is mandatory, and insurance and licensing requirements will be met by all students involved in operating powered vehicles.

ATTENDANCE

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 student being withdrawn from the program.

Certain unavoidable absences may be excused by the instructor(s). In such cases the student shall make every effort to inform the instructor(s) prior to an absence. If this is not possible the student shall at the earliest opportunity (next regularly scheduled class) provide a descriptive note explaining the absence. Failing to provide a note or acceptable explanation at the beginning of the next attended class will result in an unauthorized absence. Any missed information is the student's responsibility!

Absence for tests or assignment missed will result in a score of zero.

Absence reporting is solely the student's responsibility!

Based on a percentage of the total hours in a program involving unauthorized absences (i.e. MCM 100/150 = 480 hours).

1. 2.5% of total hours: Student will be given a verbal warning by the Instructor (12 hours) (to be recorded).
2. 3.75% of total hours: Student will be advised in writing by the Program Leader (18 hours) or designate.
3. 5.0% of total hours: Student may be withdrawn from the program! (24 hours)

STATEMENT ON PLAGIARISM AND CHEATING:

ACADEMIC DISHONESTY

Dishonesty by students will not be tolerated. Any academic dishonesty will result in a score of zero on that test, assignment or lab. Subsequent activity of this nature may be dealt with in a harsher manner. (Subject to Student Conduct Guidelines.)

Refer to the Student Conduct section of the College Admission Guide at <http://www.gprc.ab.ca/programs/calendar/> or the College Policy on Student Misconduct: Plagiarism and Cheating at www.gprc.ab.ca/about/administration/policies/. These are serious issues and will be dealt with severely.

**Note: all Academic and Administrative policies are available on the same page.

- ***Every effort has been made to ensure the accuracy and completeness of this outline. The instructors will advise students of any necessary changes to the course.***

COURSE SCHEDULE/TENTATIVE TIMELINE:

MCM 100/150

16 Weeks

30.0 Hours Per Week

480 Hours

Week 1	Orientation, Safety and Tools
Week 2	Workshop Procedures and Liability
Week 3	Parts Introduction
Week 4	Tire Service
Week 5	Wheel Inspection and Maintenance
Week 6	Brake Inspection and Maintenance
Week 7	Final Drive Inspection and Maintenance
Week 8	Assembly, PDI and Storage
Week 9	Frame , Suspension and Steering Systems
Week 10	Basic Electricity
Week 11	Electric Circuits and Practical Testing
Week 12	Fuel System and Carburetor Inspection and Maintenance
Week 13	4-Stroke Theory and 2-Stroke Theory and Tune-up
Week 14	2-Stroke Top End Reconditioning
Week 15	Introduction to Oxyacetylene Welding (Safety) – TBA
Week 16	Review, Shop Wrap-Up and Final Exam