

Internal Combustion Engines (I.C.E.) 110

Course Outline



This course will consist of theory and practice related to engine operations, however, the prime goal is to learn safe working practices.

Outcomes:

- **GCO 1** Examine employment practices and Occupational Health & Safety
- **GCO 2** Identify and use appropriate hand tools, power tools, specialty tools and fasteners
- **GCO 3** Identify & interpret service information and measure in metric & imperial systems
- **GCO 4** Disassemble engines and describe components
- **GCO 5** Describe the operating principle of internal combustion engines
- **GCO 6** Reassemble engines using service information for correct procedures and tightening methods

Requirements in shop:

- CSA 94.3 or ANSI z87 Safety Glasses
- Reinforced Safety Boots
- Safety is the first priority!

Classroom:

- Duotang

Classroom Rules:

- Drinks by light switch (no food)
- Don't talk while I'm talking
- Put cell phone where it won't be distracting
- Be in class and ready to work when the bell rings
- Respect classmates, teacher, equipment, and safety procedures

Course Evaluation:

The theory portion of the course will consist of classroom notes and discussion, bookwork/readings, and online learning at <http://gmcs.cdxauto.ca>. You will have your own account and password and can access your account anywhere you have internet access.

The practical assignments will consist of projects, labs, and challenges.

Assessment:

- Practical work/Observations 40%
- Tests 40%
- Final Exam 20%

Exam Exemptions:

You can earn 1 exam exemption per semester by either:

- Maintaining an 85% average, all major assignments complete and be passing all courses.
- Or, missing 5 or less unexcused days (2 lates is an absence) and be passing all courses. Excuses have to be submitted within 5 days of absence.

Attendance: Attendance is very important! These are the guidelines for any student missing...

- 5 days for any reason (except extra-curricular): phone call home
- 10 days: letter home and students must start to “buy back days”
- 12 days: case conference with parents
- 15 days: letter to remind parents that at 20 days the credit may be revoked
- 20 days: ESS meeting to determine if credit will be revoked