**Mr. M Stewart** **Internal Combustion Engines 110** **2023-2024**

**Goals:**

 1. To introduce and enhance student awareness of working in a safe work environment and safe work practices

 2. To help the student understand how an engine starts and runs.

 3. To introduce the student to all the major components of an internal combustion engine and their maintenance.

**Text:** CDX Automotive online

 Modern Automotive Technology

**Course outline:**

1. Automotive Service Shop Safety
2. CDX Chapter 12 Motive Power Types-Spark Ignition Engines
3. CDX Chapter 19 Cylinder Head Components
4. CDX Chapter 20 Engine Block Components
5. CDX Chapter 14 Engine Lubrication Systems
6. Internal Combustion Engine Final exam

**\*This is a tentative outline and may be subject to change**.

**Teaching Method:** Material will be covered using lectures, CDX online, text and in-shop practical.

**Literacy Plan**: - Students are required to go through online material and answer questions. All student activity is monitored by the program and the instructor and any difficulties that may need to be addressed are noticed quickly.

* Student text within the program is followed by video in most cases aiding comprehension.

**Evaluation: Safety Assessment 5%**

 **CDX Online 15%**

 **Practical Performance 50%**

 **Exam 30%**

**Note: If you miss 7 days or fewer in all classes and have completed all the requirements for the course, and you are passing, you can choose to take 15%, 30% or 50% on your Cumulative Demonstration of Learning. Also, three tardies counts as one absence.**