

**UNIVERSITI TEKNOLOGI MARA****MEC756: INTERNAL AND EXTERNAL COMBUSTION ENGINE**

<b>Course Name (English)</b>	INTERNAL AND EXTERNAL COMBUSTION ENGINE <b>APPROVED</b>
<b>Course Code</b>	MEC756
<b>MQF Credit</b>	
<b>Course Description</b>	This course is designed to expose students to the automotive internal combustion (IC) engine theoretically and practically and emphasizes the use of thermodynamics and fluid mechanics in the automotive IC engine. This course also provides the explanation of the thermochemistry and fuel used by the automotive IC engine. In addition, this course includes the practical approach, giving deeper treatment of the automotive IC engine. Moreover, this course also gives an overview of the alternative fuel used in automotive IC engines. Finally, this course also discuss the future power plant for the automotive application.
<b>Transferable Skills</b>	knowledge, hands on
<b>Teaching Methodologies</b>	Lectures, Demonstrations, Practical Classes, Simulation Activity
<b>CLO</b>	<p>CLO1 Explain the basic concepts, components and fundamental principles of automotive internal combustion engines</p> <p>CLO2 Criticize the systems and performance characteristics of automotive internal combustion engines</p> <p>CLO3 Recommend the future power plant for the automotive application</p> <p>CLO4 Conduct engine overhaul (dismantle and assemble) for a selected automotive internal combustion engine</p>
<b>Pre-Requisite Courses</b>	No course recommendations
<b>Reading List</b>	This Course does not have any book resources
<b>Article/Paper List</b>	This Course does not have any article/paper resources
<b>Other References</b>	This Course does not have any other resources