

# MA 534- Combustion Engines II

<b>Course Code:</b>	MA-534
<b>UTAA Credit (Theoretical-Laboratory hours/week):</b>	3(3-0)
<b>ECTS Credit:</b>	6.0
<b>Department:</b>	Mechanical and Aeronautical Engineering
<b>Language of Instruction:</b>	English
<b>Level of Study:</b>	Graduate
<b>Offered Semester:</b>	Fall and Spring Semesters.

## Course Objectives

To calculate and develop engine performance,  
Fuel consumption, exhaust gas and noise emissions.

## Course Content

To gain basic information about motor development and design work.

## Course Learning Outcomes

1-The knowledge about evolution and changes in the characteristics of IC engines will be obtained, the ability to predict future expectations from design and development of IC engines will be acquired.

2- must be understood the concept of calculation and development criteria of ICE and in this regard topics which are under the title of the motor characteristics will be understand.

3-ICE calculation and development goals trade-offs and how to resolve them in a convenient way will be learned.

4-Homework prepared within the scope of information about contemporary ICE will lead to understand latest technology and presentations prepared in written and oral form will gain experience to understand and learn by asking questions, listening and discussions.

5-R & D and design concept related article decipher application will lead the "continuous improvement" necessity to be understand.