

Course Number

MER-371-01

Course Description

This course provides a basic introduction to reciprocating Internal combustion (IC) engines. Idealized underlying thermodynamic cycles (e.g. Otto, Diesel, and Miller) and the mechanisms used to produce them will be covered. Deviations from the ideal cycles will be discussed in depth. Introductory coverage of petroleum based fuel chemistry, combustion, and emissions is included.

Academic Term

22/SP

Instructor

Bruno, Bradford

Location & Meeting Time

Integrated Science & Engineering Complex-218 M/W/F 11:45AM-12:50PM LEC

Petition

Y

Credits

1.00

Capacity

24

Total Students

14

Academic Department

Mechanical Engineering

Field Of Study

Mechanical Engineering (MER)