

Course Number

MER-232-01

Course Description

Application of the fundamental laws of thermodynamics to the analysis of energy conversion devices, systems, and processes. The course moves beyond MER 231 through the analyses of more realistic power-producing and refrigeration systems, systems in which there are more than one substance present, and reactive systems. Factors that govern energy conversion processes and impact on the efficiency of those processes are studied with attention given to environmental and sustainability implications.

Academic Term

22/WI

Instructor

Bruno, Bradford

Location & Meeting Time

Integrated Science & Engineering Complex-222+ M/W 03:05PM-04:45PM LEC

Petition

Y

Credits

1.00

Capacity

40

Total Students

30

Academic Department

Mechanical Engineering

Field Of Study

Mechanical Engineering (MER)