

Course Number

MER-231-01

Course Description

A basic engineering science course dealing with relations between heat and other forms of energy. Topics include: basic thermodynamic principles, properties of simple substances, energy and the first law of thermodynamics, entropy and the second law of thermodynamics, ideal cycle analysis. Elementary environmental economic and sustainability considerations related to thermodynamic processes.

Academic Term

20/WI

Instructor

Hamed, Ali

Location & Meeting Time

Integrated Science & Engineering Complex-220 M/W/F 09:15AM-10:20AM LEC

Petition

N

Credits

1.00

Capacity

24

Total Students

12

Additional Information

[http://cs.union.edu/me\\_dept/me\\_dept.html](http://cs.union.edu/me_dept/me_dept.html)

Interdisciplinary Programs

Environmental Science & Policy

Academic Department

Mechanical Engineering

Field Of Study

Mechanical Engineering (MER)