

Course Number

MER-212-01

Course Description

A basic engineering mechanics course concerned with the kinematics and kinetics of non-deformable particles and two dimensional bodies undergoing acceleratory motion. D'Alembert free body diagrams, Newtonian mechanics, energy approaches, vectors and the calculus are used to solve problems throughout the course. Topics include kinematics, force and acceleration, work and energy principles and impulse and momentum principles. Includes a design component.

Academic Term

22/WI

Instructor

Rapoff, Andrew

Location & Meeting Time

Integrated Science & Engineering Complex-222+ M/W/F 11:45AM-12:50PM LEC

Integrated Science & Engineering Complex-222+ T 10:55AM-12:40PM LEC

Petition

Y

Credits

1.00

Capacity

40

Total Students

13

Academic Department

Mechanical Engineering

Field Of Study

Mechanical Engineering (MER)