

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

20/WI

Instructor

Bucinell, Ronald

Location & Meeting Time

Integrated Science & Engineering Complex-220 M/W/F 03:05PM-04:45PM LEC

Petition

N

Credits

1.00

Capacity

40

Total Students

21

Additional Information

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

Academic Department

Mechanical Engineering

Field Of Study

Mechanical Engineering (MER)