

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

21/WI

Instructor

Rapoff, Andrew

Location & Meeting Time

Integrated Science & Engineering Complex-220 M/W/F 10:50AM-11:55AM LEC

Integrated Science & Engineering Complex-220 T 02:25PM-04:10PM LEC

Petition

N

Credits

1.00

Capacity

18

Total Students

11

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)