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/SP Instructor Bucinell, Ronald Location & Meeting Time Synchronous Online-ONLI M/W/F 03:30PM-05:10PM LEC Credits 1.00 Capacity 36 **Total Students** 30 Additional Information http://cs.union.edu/me_dept/me_dept.html Academic Department Mechanical Engineering Field Of Study Mechanical Engineering (MER)