Course Number MER-452-01 **Course Description** A comprehensive introduction to composite materials and motivation for their use in modern applications. Topics include selection and availability of composite materials, manufacturing processes, usable theoretical concepts, testing and characterization of composites, and strength theories. Academic Term 21/SP Instructor Bucinell, Ronald Location & Meeting Time Integrated Science & Engineering Complex-220 M/W 05:25PM-07:05PM LEC Credits 1.00 Capacity 18 **Total Students** 13 Additional Information http://cs.union.edu/me_dept/me_dept.html Academic Department Mechanical Engineering Field Of Study Mechanical Engineering (MER)