Course Number MER-213-01 Course Description

A basic engineering science course dealing with crystal structure, imperfections in solids, diffusion, mechanical properties of metals, dislocations and strengthening mechanisms, phase diagrams, phase transformations in metals, structure and properties of ceramics, and polymeric structures. The principles formulated in materials science allow engineers to understand the nature and behavior of a wide variety of engineering materials. Includes a laboratory component.

Academic Term 20/WI Instructor Stehle, Yijing Location & Meeting Time Integrated Science & Engineering Complex-218 M/W/F 08:00AM-09:05AM LEC Integrated Science & Engineering Complex-220 T 01:55PM-04:45PM LEC Petition Ν Credits 1.00 Capacity 24 **Total Students** 13 Additional Information http://cs.union.edu/me_dept/me_dept.html Academic Department Mechanical Engineering Field Of Study Mechanical Engineering (MER)