Course Number MER-331-01 **Course Description** Analysis of fluid systems according to the control volume formulations of Newton's second law and the conservation laws of mass and energy. Both differential and integral analysis approaches are taught. Includes study of hydrostatics, dimensional analysis, boundary layers, Bernoulli's equation, head loss and piping systems, and lift and drag forces. Includes a laboratory component. Academic Term 22/WI Instructor Wehe, Shawn Location & Meeting Time Integrated Science & Engineering Complex-387+ M/W/F 03:05PM-04:10PM LEC Petition Y Credits 1.00 Capacity 24 **Total Students** 21 **Common Curriculum** WAC Writing Across Curriculum Academic Department Mechanical Engineering Field Of Study Mechanical Engineering (MER)