Course Number MTH-130-01 **Course Description** Topics include first and second-order differential equations and first-order systems, including analytic, geometric, and numerical techniques, classification of first-order linear systems by eigenvalues, forcing and resonance, and the Laplace transform. Applications include but are not limited to population models, RC circuits, and damped and undamped harmonic oscillators. Academic Term 22/WI Instructor Khatami, Leila Location & Meeting Time Bailey Hall-106+ M/W/F 09:15AM-10:20AM LEC Credits 1.00 Capacity 28 **Total Students** 25 Academic Department **Mathematics** Field Of Study Mathematics (MTH)