Course Number MTH-238-01 **Course Description** An introduction to the fundamental concepts and techniques in applied mathematics. Topics may include dimensional analysis, scaling, perturbation theory, boundary layer analysis, differential and integral equations, calculus of variations, optimization, and eigenvalue problems. The emphasis is the use of mathematics to quantify and solve problems arising from physical, chemical, biological, and economic phenomena. Academic Term 22/SP Instructor Wang, Jue Location & Meeting Time Bailey Hall-106+ M/W/F 11:45AM-12:50PM LEC Credits 1.00 Capacity 26 **Total Students** 12 Academic Department **Mathematics** Field Of Study Mathematics (MTH)