th 517 pundations of Computational Mathematics Spring 2003

structor: L. Faybusovich

extbook: J. Ortega

imerical Analysis: A second course

ne aim of the course is to explain some of the main concepts of numerical athematics: complexity and rate of convergence of algorithms, their numerical ability; ill-conditioning of numerical problems. This concepts will be alustrated by considering methods and algorithms of matrix analysis, methods of viving nonlinear equations and optimization methods.