Preface

More than a decade ago I team taught a course on undergraduate Numerical Analysis at Brown University with Akil Narayan (now at the University of Utah). We drafted PDF notes on many subjects, and since then I have revised and added to these notes while teaching CS-Math 375 at UNM, often with the help of Monika Nitsche. These notes draw on material in the textbooks *Numerical Analysis* by T. Sauer and *Introduction to Scientific Computing: A Matrix Vector Approach Using MATLAB* by C. F. Van Loan (the textbook we used at Brown). Errors in these notes are likely my own.

My hope is that these notes serve as an introduction to Numerical Analysis and Computing which is suitable for 375, obviating the need to purchase an expensive textbook. S. R. Lau, Fall 2022.