MATH 310: Numerical Analysis
Details for Exam 2

The second exam in MATH 310 will be Thursday, November 19. You should bring a calculator to perform rudimentary computations, but you are not permitted to access symbolic computations or the internet on your calculator. Any student violating this rule will receive an 'F' on the exam.

The exam will cover Section 3.6, 3.9, 3.10, 3.11.3 (root finding convergence, order of convergence of sequences to limits, fixed point iteration to determine convergence, Durand-Kerner), and Sections 4.1, 4.2, 4.3 4.7, 4.12.3 (Lagrange interpolation, Newton interpolant, divided differences, Piecewise polynomial interpolation, Chebychev nodes, Runge example) in your book, with emphasis on the things that were emphasized in class. You should expect to be asked to write or read a little bit of code and to perform a few iterations of the algorithms we covered.

You should be able to predict what sort of questions will be on this exam quite easily.

There is no guarantee that the list above is complete, but it gives you the idea of what you should focus your studying on.