Math 350 — Computer Assignment 2, due Feb. 10, 2011

1. Do Exercise 2.3 in NCM.

2. Do Exercise 2.5 in NCM. For part (b), write a MATLAB function `mychol(A)` that returns the Cholesky factor R of A.

3. Do Exercise 2.8 in NCM.

4. Do Exercise 2.18 in NCM.

5. Do Exercise 2.19 in NCM.

   Make sure you read Sect. 2.11 in NCM before you attempt to do the next two problems. You will find instructions there on how to obtain and work with the data file `harvard500.mat` from http://www.mathworks.com/moler/ncmfilelist.html.

6. Do Exercise 2.22 in NCM.

7. Do Exercise 2.23 in NCM.