Outline for April 22, 2014

Reading: none                                             Assignment due: May 2, 2014

1. Program: Fibonacci numbers [fib.py]
2. Calculating \( \pi \) using a Monte Carlo method
   a. How you do it
   b. random module
   c. Building program in modules, including testing routines
   d. First step: computing co-ordinates of dart toss [mc1.py]
   e. Second step: see if a point falls within the unit circle [mc2.py]
   f. Third step: read in a positive integer, with error checking [mc3.py]
   g. Fourth step: output it all together and print the results [mc4.py]
   h. Fifth step: plot the points [mc5.py]