Outline for April 22, 2014

Reading: none

Assignment due: May 2, 2014

- 1. Program: Fibonacci numbers [fib.py]
- 2. Calculating π using a Monte Carlo method
 - a. How you do it
 - $b.\ensuremath{\text{random}}\xspace$ 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: out it all together and print the results [mc4.py]
 - h. Fifth step: plot the points [mc5.py]