Core Objectives for Lesson 3:

- know basic elements of probability theory

- be familiar with use of the Geometric Random Variable and Negative Binomial Random Variable, and, when they are applicable, be able to use formulas for computing expected value

- be familiar with the average case analysis of the naive algorithm for obtaining a random permutation of an n-element set

- be familiar with a linear time algorithm for producing a random permutation of an n-element set