Reading assignment for Chromosomes and inheritance lecture

A. Dolan DNA Learning Center at Cold Spring Harbor Laboratories

Go to:  http://www.dnaftb.org/dnaftb/

Click on Classical Genetics link. It looks like this:

On the Right of each page, there are 14 concept links under Classical Genetics. You are responsible for the material in concepts 1, 2, 3, 4, 5, 6, 8, 9 and 13.

Concepts 1-4: Read the CONCEPT, click on the ANIMATION link at the bottom of the page, use the arrows at bottom right to go through the animation material, read the BIO and do the practice PROBLEMS.

Concept 5: Read the CONCEPT, click on the ANIMATION link at the bottom of the page, use the arrows at bottom right to go through the animation material, read the BIO and do the practice PROBLEMS.  This section covers a cross where you need to follow two traits called a dihybrid cross – we did not cover this in class.

Concept 6: Read the CONCEPT, click on the ANIMATION link at the bottom of the page, use the arrows at bottom right to go through the animation material, read the BIO and do the practice PROBLEMS.

Concept 8: Read the CONCEPT, click on the ANIMATION link at the bottom of the page, use the arrows at bottom right to go through the animation material, read the BIO and do the practice PROBLEMS.  You do not have to memorize the steps of meiosis.

Concept 9: Read the CONCEPT, click on the ANIMATION link at the bottom of the page, use the arrows at bottom right to go through the animation material, read the BIO and do the practice PROBLEMS.

Concept 13: Read the CONCEPT, click on the ANIMATION link at the bottom of the page, use the arrows at bottom right to go through the animation material, read the BIO and do the practice PROBLEMS.  This concept will introduce you to human pedigrees.

B. University of Arizona Biology Project

1. Meiosis Tutorial

2. Mendelian Genetics Tutorial
   http://www.biology.arizona.edu/mendelian_genetics/mendelian_genetics.html

   Monohybrid Cross - do problems 1-9 and Sex-linked Inheritance 1 – do all ten problems.