**Biology 252 -- Genetics Laboratory -- Fall 2011 (Manuals Supplied the first day of lab)**

This is a three-hour laboratory. The *Drosophila* experiment will require additional time outside of the regularly scheduled times. All work must be your original work using your own data. The laboratory grade is 25% of the class grade and will be calculated as follows:

Corn Report 25

Plant Molecular Biology Report 25

*Drosophila* Experiment Report 50

Laboratory Notebook 50

(includes Bacterial Experiments)

Laboratory Work, Participation, Attendance 30

180 points

Week of: Laboratory:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sept. 7 No Lab

Sept. 12 Mitosis and Meiosis

Sept. 19 Gene Interactions in Corn

Sept. 26 *Drosophila* as an Experimental Organism;

Oct. 3 Gene Mapping: **Trihybrid *Drosophila* Cross**

Oct. 10 Gene Interaction in *Drosophila*

Oct. 17 Molecular Genetics; **Corn Report Due**

Oct. 24 Molecular Genetics;

Oct. 31 Molecular Genetics

Nov. 7 No Lab but Reviews

Nov. 14 Bacterial Genetics; Mutation Analysis

Nov. 21 No lab this week, but **Molecular Genetics Report Due**

Nov. 28 Score Bacterial Genetics Mutation lab

Dec. 5 Bacterial Gene Regulation (*Lac* Operon)

Dec. 14 Reviews **(Lab notebooks and Trihybrid Cross Report due)**