ANSC 446 / IB 416, FURTHER DETAILS ON THE **FOUR CREDIT OPTION**
(the following is NOT required for the three-credit option)

There are two alternatives. **For EITHER alternative**:

The project and/or report are 25% of final grade for 4-credit option

Abstract (single paragraph description) is due, either as a hard copy in class, or send by email by the end of the day, by **FRIDAY, October 9, 2009**. (I will email back your approval or may ask further details.)

The choice of project or topic is up to the student, as long as it is related to population genetics. The text and references in the back of the book may give you an idea of the choice of topics possible, while chapter 2 of the book lists computer software if you are interested in learning one of the software packages.

The paper should be written as a scientific article for publication, and should contain properly formatted peer-reviewed scientific references.

Depending on the alternatives below, length should be 5-15 pages, 1.5 space.

Joint projects or papers are not permitted unless they can be divided into clearly distinct components, one component for each student.

Final paper is due Friday, **November 13, 2009**, either hard copy in class, or send by email. I will read it and may recommend revisions.

If revisions are recommended, a revised version will be due by last day of instruction, Wednesday, December 9, 2009.

Alternative 1

A computer simulation or modeling project (your chance to learn to use software) in some area of population genetics. In general, shorter length papers (5-10 pages) would be acceptable for this alternative.

Alternative 2

Write a review of the literature of what is know about population genetics of a species, or of a particular topic of interest to you in the field. For a review article, a longer-length paper (10-15 pages) would be expected.