Bio 213 — Evolution — Study Guide for Test 2 Fall 1997

A. General Information - see "Rules For Test Taking" on study guide for Test 1 (available on web)

B. Structure of the test:

1. There will be 4 problems, each worth about 18 points, to solve, along with some objective or short-answer questions.
2. BRING A CALCULATOR.
3. Three of the problems will be:
   a. do a cladogram
   b. derive and solve the recurrence equation for a recessive lethal
   c. test a population for being in the Hardy-Weinberg genotypic frequencies
4. the fourth problem will be one of the following:
   a. interpret a complex Δq graph
   b. graphically and algrebraically derive the recurrence equation for migration
5. There will also be some (~10) questions, worth approximately 30 points total, on material in the book or from lecture. Especially study the numbered summary points from each of the assigned chapters. There will be at least one question from the summary points of each chapter.

C. How to Study

1. Study your lecture notes — try to get the main principles that were covered firmly in mind.
2. Read all the assigned chapters. First read the summary. Then read the text. Then reread the summary. Write 2-3 **paragraphs** summarizing the chapter in your own words, and write one paragraph expanding one of the summary sentences to a full paragraph with some details.
3. Study with a partner. Ask each other questions from lecture, and ask each other questions about the summary sentences from each chapter.
4. PRACTICE THE PROBLEMS.

II. What to Study

A. Lectures

a. know the lecture notes (available on line in .pdf format)
b. know how to do the problems that may be on the test.

B. Book

a. read Chapters 4, 5, 9, 10 and 14.
b. you should know something about each subheading of each chapter (such as 1.3.4, 1.3.5 etc.)
c. you should study the summary points very carefully — some questions will come from the chapter summary points