

# **Introduction to Bioinformatics**

## Material for Exam #1 (as of 21 February 2006)

Questions for each of the exams will be taken (with some modification) from the various Problem Sets, Study Questions, and Tours, covered since the last exam (or, in the case of Exam #1, since the beginning of the semester). For Exam #1, the following are fair game:

**Problem Set 1:** Introduction to Molecular Biology

**Problem Set 2:** BioBIKE problems

**Problem Set 3:** Genome Analysis

**Problem Set 4:** BioBIKE loops

**Problem Set 5:** Microarray Analysis and Statistics

**Study Questions** from notes for:

Strategies of Life

Proteins

Flow of Information

Search for Fragile X gene in *Drosophila*

Genome Sequencing

Genome Analysis

Introduction to Microarrays

**Tours**

What is a Gene?

What is a Formal Language?

Alien Genetic Code

Search for Fragile X Gene in *Drosophila*

... and that's it. If you can solve these problems and answer the questions, you should be able to do the same readily on the exam.

For more, see *Course at a Glance, Objectives and Strategies, Integrative Exams*