

# Introduction to Bioinformatics

## Material for Exam #1

Questions for each of the exams will taken (with some modification) from the various Problem Sets, Study Questions, Discovery Questions, and Math Minutes 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: Biolingua problems

Study Questions from notes for:

Strategies of Life

Proteins

Flow of Information

DGPB – Chapter 1.1

Discovery Questions

DGPB – Chapter 1.1 (as given in the notes for Feb 7)

DGPB – Chapter 4.1 (1 – 44)

Math Minutes

Chapter 1: 1.1 (E-value)

Chapter 4: 4.1 (Log transformation of microarray data)

4.2 (Measure of similarity of expression patterns)

4.3 (Gene clustering)

Guided Tour #1 (What are Genes?)

... 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*