

Introduction to Bioinformatics

Material for Exam #1

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 (special): Introduction to BioBIKE (linked from Intro to BioBIKE page)

Problem Set 2: Molecular Investigations

Problem Set 3: Genomic sequencing

Study Questions from notes for:

Strategies of Life

Proteins

Flow of Information

Where genome sequences come from

Belasco et al tours, parts 1 and 2 (= Tours 3a and 3b below)

Myers et al tour (= Tour #4 below)

Tour #1 – *What are Genes?*

Tour #2 – *Alien Genetic Code*

Tours #3a and 3b – *Differential gene expression* (Belasco et al)

Tour #4 – *A whole genome assembly of Drosophila* (Myers et al)

... 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*