

Introduction to Bioinformatics

Material for Exam #2

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 #2, the following are fair game:

- Problem Set 4: Practice with loops and mapping
- Problem Set 5: Blast and dotplots
- Problem Set 6: Statistics and loops in context
- Problem Set 7: Genome analysis

Study Questions from notes for:

- Introduction to mapping
- Elements of a loop
- Search for FMRP in *Drosophila*
- Hatfull et al (2008): Tours I and II
- Rohwer and Edwards (2002): Tour I
- Gomathi et al (2007): Tour
- Karlin (2001): Tour

In addition to the above tours:

- Tour – *Was Mendel Right* (Part II)

... 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*