CHEM 4800: Advanced Topics in Biochemistry
Lectures: MWF 11:00-11:50 am, Olin 103
Instructor: Professor Bruce E. Bowler
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Text: *Bioinformatics*, David W. Mount, Cold Spring Harbor Laboratory Press, 2001.

Topics Covered

Topic	Chapter
Databases	2
Pairwise Alignment Algorithms	3
Multiple Sequence Alignment	4
Predicting RNA Secondary Structure	5
Database Searching for Similar Sequences	7
Protein Classification and Structure Prediction	9

Exams: There will be a midterm, worth 200 points as well as a final exam worth 300 points which will cover all the material presented in the course.

Midterm:	Friday, April 23, 2004
Final Exam:	Tuesday, June 1, 2004 10:00 a.m. – 11:45 a.m.

Homework assignments: There will be three homework assignments each worth 100 points, assigned as follows:

Homework set #1: assigned 4/9/04; due 4/16/04
Homework set #2: assigned 4/30/04; due 5/7/04
Homework set #3: assigned 5/21/04; due 5/28/04