

ANALYSIS AND MODELING OF CELL MECHANICS

Homework #1 (due 4/6/09)

This homework involves the use of the "Biological Information Handling - Essentials for Engineers" module found on the course website.

Work your way through the contents of the entire program. (This will take roughly 1-2 hours, depending on your previous background in biology.) Complete and hand in each of the five following tests:

1. Replication multiple-choice test
2. Transcription multiple-choice test
3. Translation multiple-choice test
4. Final interactive test
5. Final printable test

Finish the first four tests while the program is running, otherwise you may lose your answers and have to start all over again. After a test is finished, you have two options. (A) If your computer is connected to a printer, click on the printer icon and print out the test results. (B) If your computer is not connected to a printer, also click on the printer icon, but instead of choosing a printer, choose Acrobat PDF Writer to create a PDF file. Then print the saved file later (when you are connected to a printer) or email it to nsniadec@u.washington.edu if you do not have access to a printer.

For the last test, follow the Printable Documents link from the lower left-hand side of any slide; open the last file; print (again, use one of the two choices above); and fill it out and hand it in along with the other four tests. Don't forget your name!