

Syllabus for CMP 464: Algorithms in Bioinformatics and Computational Biology Spring 2016

Instructor: Prof. Megan Owen

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Office hours: Tuesdays and Thursdays 10:15 - 10:50am (Gillet 219) and 3:40 - 4:20pm (in Gillet 225 or 137E)

Course time: Tuesdays and Thursdays 2:00am-3:40pm

Course website: <http://comet.lehman.cuny.edu/owen/teaching/2016sp/cmp464/index.html>

Course objectives:

- 1) Develop an understanding of modern genetics, including current open problems in the field.
- 2) Development and analysis of algorithms in the context of bioinformatics and computational biology problems.

Prerequisite: CMP 338

Textbook: Bioinformatics Algorithms: An Active Learning Approach Vol. 1 and 2, by Phillip Compeau and Pavel Pevzner

Grading: The grading for the course will be based on:

Homework	50%
Quizzes	20%
Final	30%

If you fail the final exam, that will be your grade for the course, and you will fail the course.

Homework: Homework will be submitted and graded online using the Rosalind platform. No late homework will be accepted.

Honor Code: You are encouraged to work together on the overall design of the programs and homework. However, for specific programs and homework assignments, all work must be your own. You should never copy code from the internet or another student. You are responsible for knowing and following Lehman's academic integrity code (available from the Undergraduate Bulletin, Graduate Bulletin, or the Office of Academic Standards and Evaluations). All incidents of cheating will be reported to the Vice President of Student Affairs.

Computer Access: Part of this course will use university computer laboratories. These machines are for work related to this course only and a code of conduct applies to computer use in the department and on-campus. Misusing university computers could result in losing your computer access for the rest of the term, making it exceedingly difficult to complete this course.