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Carnegie Mellon University

03511

Fall 2021

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### Recent Announcements

## Computational Molecular Biology and Genomics

An advanced introduction to computational molecular biology, using an applied algorithms approach. The course will survey established algorithmic methods, including pairwise sequence alignment and dynamic programming, multiple sequence alignment, sequence evolution models, derivation of amino acid substitution matrices, hidden Markov models for molecular motifs, database search heuristics, and local alignment statistics. We will explore emerging computational problems in genomics through assignments in 03-711.

Lecture topics, reading assignments, lecture notes, assignments, work sheets and **due dates** will be posted on the course website: <https://www.cs.cmu.edu/~durand/03-711/>.

An overview of course policies is available here: [Policies-511 711-2021.pdf](#).

Mid-term exam date: October 12.

Office Hours: Wednesdays, 3pm on [Zoom](#) with Dr. Stolzer

View Course Stream

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View Course Notifications

#### To Do

Problem Set 1	100 points   Sep 17 at 11:59pm	X
Seven Eleven Assignm...	100 points   Sep 22 at 11:59pm	X
Problem Set 2	100 points   Sep 27 at 11:59pm	X
Problem Set 3	100 points   Oct 2 at 11:59pm	X

Click on "View Course Notifications"

Canvas LMS interface showing Course Notification Settings for course 03511.


**Course Notification Settings**

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Enable Notifications for Computational Molecular Biology and Genomics

You are currently receiving notifications for this course. To disable course notifications, use the toggle above.

**Verify that notifications are enabled for this course**

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Course Activities	Email	Email
	durand@cmu.edu	durand@andrew...
Due Date		
Grading Policies		
Course Content		
Files	<b>Daily summary</b>	
Announcement		
Announcement Created By You		
Grading		

Select "Daily Summary" for Due Date and Course Content