Contact Info

Instructor          Alexa Sharp
Email               alexa.sharp@oberlin.edu
Office              King 223B
Phone               x5-8831
Office Hours        MF 11-Noon, W 1:30-2:30pm, or by appointment

Textbook

There is no required textbook for the class. Our primary resources are the following, which are on reserve at Mudd library. All required reading will either be handed out in class, or posted on the course website.

- *An Introduction to Bioinformatics Algorithms*, by Jones and Pevzner
- *Algorithm Design*, by Kleinberg and Tardos
- *Algorithmic Game Theory*, edited by Noam Nisan

Course Requirements & Expectations

Reading — expect to read chapters and papers before class.
Four group homeworks — expect to spend around 8 hours on each.
Four solo homeworks — expect shorter homeworks, that must be completed alone.
One final project — expect to write an in-depth report on a subject of your choosing.
Daily attendance — expect to be in class.

<table>
<thead>
<tr>
<th></th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading</td>
<td>8%</td>
</tr>
<tr>
<td>Group Homework Assignments</td>
<td>48%</td>
</tr>
<tr>
<td>Solo Homework Assignments</td>
<td>24%</td>
</tr>
<tr>
<td>Final Project</td>
<td>15%</td>
</tr>
<tr>
<td>Attendance, Participation</td>
<td>5%</td>
</tr>
</tbody>
</table>

Homework Timeline / Late Policy

- Homework is due on Mondays at 4pm, unless stated otherwise. Late homework is accepted with the following penalty: late homework handed in within 12 hours lose 20%, within 24 hours lose 40%, and so on. Homework over 48 hours late receive no credit.
Honor Code

I take the honor code very seriously, and will report any violations to the Honor Code Committee. This is a class where working with your peers is not only allowed, it is encouraged. For the group homeworks, you may discuss ideas with your classmates. Your group should hand in one submission, which should represent a group effort on each question. For the solo homeworks, the only person you may discuss your solutions with is Alexa.

For both the group and solo homeworks, you may use the internet and other references to look up definitions and background material, but not to look up answers to the problem in question. You must site any resources you use.

If you do work with a friend or friends, please write your cohorts names on the top of your assignment. This is important, and I certainly think no less of you if you work with your classmates.

Finally, you must write the honor code on every assignment, along with your signature. You know the drill by now. For the record, the honor code is

“I affirm that I have adhered to the Honor Code in this assignment.”

Student Disabilities

If you require special accommodation, please speak to me during the first week of class so that I have time to make suitable arrangements. You must be registered the office of Student Disabilities.

Course Info

Select handouts and announcements will be posted on the course webpage at