201 is taught as a “theory-course”. This means that there is no programming. On the other hand, there is a lot of proof writing and the course is homework-heavy.

Main text (required): Algorithm Design, by Kleinberg and Tardos.

The plan is to cover Chapters 4, 5, 6, 7 entirely and as much of Chapters 8, 11, 13 as possible.

Course Work: You will have regular written assignments, one in-class midterm and a final examination. Regarding the weight of homework towards your final grade you get to choose between one of the following two schemes:

<table>
<thead>
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<th></th>
<th>Default</th>
<th>Homework-heavy</th>
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<tbody>
<tr>
<td>Homeworks</td>
<td>15</td>
<td>40</td>
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<tr>
<td>Midterm</td>
<td>20</td>
<td>20</td>
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<tr>
<td>Final Exam</td>
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Indicate your choice on the front page of your first assignment. This choice will be final. If you don’t indicate a choice, the Default scheme will apply. I strongly encourage you to take the homework-heavy option, especially if exams tend to stress you out and you could use a regular stimulus against slacking. You will also learn more.

Important Rule: If you chose the Homework-heavy option you will be subject to the following rule. On each of the three exams (two mid-terms, final) there will be one question from a past homework. For that question, your exam-answer should be at least 75% as good as your homework-answer (allowances will be made for presentation and minor details). If that’s not the case, you will get a score of 0 for that question on the exam and the homework and you will be reverted to the Default grading scheme.

I will give an incomplete grade only if there has been a medical/family emergency and the student has been doing at least average work.

Assignments: Do not cheat.

Remember: if you don’t cheat, you might lower your grade; if you do cheat you will lower yourself.

In any case: the Computer Science Department of UCSC has a zero tolerance policy for any incident of academic dishonesty. Every case of academic dishonesty will be referred to the students college Provost, who sets in motion an official disciplinary process.

What is cheating? In short, it is presenting someone else’s work as your own. Examples would include copying another student’s written homework assignment, or allowing your own work to be copied. Although you may discuss problems with fellow students, use the following rule of thumb:

What you turn in as your homework should be something that you could reproduce given nothing but pen, paper and a copy of the textbook.

When you do collaborate (legitimately) or receive help from anyone, you must credit them by placing their name(s) at the top of your paper. It really is OK and will not cost you grades.