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Goals: We will study techniques of proof in the context of discrete mathematics, as well as discrete mathematics for its own sake. This includes logic, set theory, combinatorics (counting), functions and relations, and graph theory.

Assessment: Your grade will be computed as follows:

| Homework: 200 | Midterm Exams: 3 @ 200 each | Final Exam: 200 |

Letter grades will be assigned according to the chart below. Note that the chart already takes rounding into account. If you focus on learning what we study, the grades will take care of themselves; grades should be among the least of your worries.

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>A</th>
<th>A−</th>
<th>B+</th>
<th>B</th>
<th>B−</th>
<th>C+</th>
<th>C</th>
<th>C−</th>
<th>D+</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Points</td>
<td>920</td>
<td>895</td>
<td>875</td>
<td>820</td>
<td>795</td>
<td>775</td>
<td>720</td>
<td>695</td>
<td>675</td>
<td>595</td>
<td>595</td>
</tr>
</tbody>
</table>

I will not take attendance for a grade, but I will expect you to be here every day. If you must miss, you should let me know in advance.

You will be responsible for regular homework assignments. I will make solutions available on my web page in PDF format for selected exercises so you can check your work. I will collect some assignments from the text, but most homework will come from WeBWorK.

WeBWorK: This is an on-line homework system. The problems will be very much like those in the text, so the text problems can give you additional practice. In WeBWorK, you may keep trying problems you miss until you get them right. This means that everyone should get 100% on the WeBWorK portion of the homework, so take advantage of the system by not giving up. At the same time, you should not just guess at answers until one works; this is a counterproductive waste of time. If you are struggling, come see me! The address for our WeBWorK site is

http://hosted.webwork.rochester.edu/webwork2/Willamette/mth163_01

and there is a link on our course homepage. Please be sure to do all of the homework and not just the WeBWorK. WeBWorK assignments will become available at or before class time on the day they are assigned. They are due at 10:00 AM on the due date, and answers will be available starting at 11:00 AM on that day. Note that you have more time for the first few WeBWorK assignments; this is so that you can become accustomed to the system. Eventually, each assignment will be due on the third weekday after it is assigned. (That is, an assignment made on Monday will be due on Thursday, an assignment made on Wednesday will be due on Monday, and an assignment made on Friday will be due on Wednesday.)

Note as well that between the WeBWorK and the text problems, there is a lot of homework. Be sure to keep up and get help when you need it; I am usually available.

There are three midterm exams; please note that the dates below are subject to change.

Exam I: Friday, February 10  
Exam II: Friday, March 2  
Exam III: Friday, April 6
The final will be on Tuesday, May 8 from 8 to 11 AM.
You may not make up any missed exam. If an emergency arises, contact me prior to the exam.

Please note: Written responses to all questions must be in complete sentences. I expect correct usage of grammar, spelling, and punctuation at all times; your grade will reflect this! I also expect your work to be neatly written.

If you have special needs (e.g., for a documented disability), it is your responsibility to approach me at least a day in advance of the need for accommodation.

Cheating absolutely will not be tolerated. The minimum penalty for cheating is a 0 on the assignment and a formal notification to the dean.

My door is usually open. The office hours above are the times I will definitely be in my office (or nearby), but you are welcome to come by at other times as well. Make sure you come see me whenever you have a question.