Syllabus for Discrete Mathematics
Math 245

John Carroll — 594-7242
e-mail: carroll@rohan.sdsu.edu

Spring 2015

<table>
<thead>
<tr>
<th>Schedule for Spring 2015:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office: T Th 11:30-12:25</td>
</tr>
<tr>
<td>Office: T Th 3:20-3:55</td>
</tr>
<tr>
<td>Office: T Th 5:20-*</td>
</tr>
</tbody>
</table>

* office hour ends after all students have been served

Available at KB Books or internet booksellers for about $20

**OR:** *Discrete Mathematics with Applications, Fourth Edition*, Suzanna Epp
This shockingly-more-expensive current edition (at Aztec Shops) has almost the same content.

**Content:**
This course is a rigorous introduction to many of the tools useful in higher mathematics and computer science. The major topics to be covered will be logic and proof techniques. There will also be a brief introduction to set theory, relations, functions, complexity, combinatorics, probability, and graph theory.

**Grading:**
There will be approximately 7 (open book, unannounced) short quizzes during the term. The lowest one will be dropped, and the remainder will comprise 20% of your total points. Exams are closed book, but you may prepare one page of notes and formulas to use during the exams.

Each of the two midterms will be worth 20% of your total points, and the final will be worth 40%. There will be no make-up exams. In unusual circumstances (to be determined by me), you might be allowed to take an oral makeup at the end of the semester. If you know in advance that you will miss an exam, see me about it in advance.

Our final is scheduled for Thursday, May 14 (2015) from 10:30am to 12:30pm. Note the date of our final exam now; don’t make plans that conflict with the final. Midterm exam dates will be chosen by student vote.

**Letter grades:**

- 90% and above is guaranteed at least an A-
- 80% and above is guaranteed at least a B-
- 70% and above is guaranteed at least a C-
- 60% and above is guaranteed at least a D-

Homework will be periodically assigned, but not collected or graded. The first portion of each class period will be reserved for questions about homework.
Special Assistance: If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact Student Disability Services at (619) 594-6473. To avoid any delay in the receipt of your accommodations, you should contact Student Disability Services as soon as possible. Please note that accommodations are not retroactive, and that accommodations based upon disability cannot be provided until you have presented your instructor with an accommodation letter from Student Disability Services. Your cooperation is appreciated.