Math 204
Discrete Mathematics
M & W, 8:40-11:30, Place TBA

Dr. Azadeh Neman
azadeh.neman@gmail.com
Office Location TBA
Office Hours: M & W 1:30-2:30
Recitation Hours: T 5:40-7:30 Or F 3:40-5:30

Credit Hours: 3


Course Objectives:
At the completion of this course, we hope to gain an understanding of:

1. What discrete mathematics is about in a broad sense
2. First order logic and Proof techniques
3. Sets, Functions, Sequences, and Sums
4. Algorithms, Analysis of time and space complexity,
5. Induction, and Recursion,
6. Counting techniques,
7. Graphs (time permitting).

Grading: Your grade exclusively depends on items listed below. There will be no other extra-credit opportunities.

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Midterm I</td>
<td>20%</td>
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<tr>
<td>Midterm II</td>
<td>20%</td>
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<tr>
<td>Final</td>
<td>40%</td>
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<tr>
<td>Recitation Grade</td>
<td>20%</td>
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<tr>
<td>Lecture Quizzes</td>
<td>5%</td>
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Exams: The dates for midterms and detailed information will be available in due course.

Final exam may be given on any day between **August 23-26 2014**. Student Resources will determine the dates and times for all final exams, and instructors cannot change it. We advise you not to plan leaving Istanbul until all your exams are done as we cannot accommodate for travel arrangements, or any other personal business.
**Makeup Exams:** Makeup exams for the mid-terms will be given shortly after each midterm. They will be considerably more difficult irrespective of the validity of the excuses. No makeup for the final exam is planned, except for the YÖK makeups. Please keep in mind that you are eligible for a YÖK makeup only if you have received a grade F. If you do not attend two of the three exams (two midterms + one final), you may be assigned NA instead of F.

**Quizzes:** There will be quizzes in recitations, announced beforehand. TAs will give further details on recitation grade, which will constitute 20% of the final grade. The lowest of the quizzes will be dropped. There will also be attendance quizzes during lectures, which will not be announced.

**Homework:** Homework will be posted on SUCourse and are due in recitation hours on specified dates, handed in person. They will also contribute to the 20% recitation grade. The lowest homework score will be dropped. Late homework will not be accepted.

**Time Conflict Permits:** Time conflict permits will be granted (except for recitations during the add-drop period) to those who request online. From then onward it is the students’ responsibility to follow the course, and take whichever quizzes they can, and submit whichever homework possible. Everyone takes recitation quizzes and submits homework in their respective recitation section, neither earlier nor later and no excuses are acceptable.

**Academic Integrity:** All university policies on academic integrity apply to our course, and shall be enforced. For more information please see

[http://www.sabanciuniv.edu/en/academic-integrity-statement](http://www.sabanciuniv.edu/en/academic-integrity-statement)

In particular, no form of cheating such as copying the whole or part of others’ answers, lending homework solutions to others, submitting answers that are available online etc. is acceptable.

**Extra Help:** You are more than welcome and are in fact encouraged to use the office hours, whether that of your instructor or that of your TA.