Course Information for Math 213: Basic Discrete Mathematics
Section D1, Fall 2017

Class time: 11:00-11:50am MWF in 141 Altgeld Hall
Prerequisites: MATH 220 or MATH 221 or equivalent

Instructor: Siegfred Baluyot
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Office hours: Tuesdays 1-2pm, Wednesdays 2-3pm, or by appointment, in 327 Illini Hall

Grading policy
Homework 25%
Midterm Exams 3 × 15%
Final Exam (comprehensive) 30%

Homework
There will be weekly homework assignments, to be turned in on Fridays at the beginning of class. Late homework will not be accepted. For each homework, you will be given more than a full week to finish it. The assigned problems will come from the textbook exercises. Show your work for each problem and justify your answers to earn full credit. Your lowest homework score will be dropped.

You may work with other students on answering the homework questions. However, you should write up solutions yourself, using your own words.

Midterm exam schedule
Midterm exams will be during class time, in our classroom. Show all your work for each problem and justify your answers to earn full credit.
Midterm 1 Wednesday, October 4
Midterm 2 Friday, November 3
Midterm 3 Wednesday, December 6
Covered topics
(All section numbers are from Discrete Mathematics and Its Applications, 7th edition)

Sets and functions 2.1 – 2.3
Algorithms and complexity 3.1 – 3.3
Mathematical induction 5.1 – 5.2
Counting techniques 6.1 – 6.5
Discrete probability 7.1 – 7.3
Advanced counting techniques 8.1 – 8.2 and 8.5 – 8.6
Relations 9.1, 9.3, 9.5
Graphs Chapter 10
Trees Chapter 11

Study tips
You will learn the material faster if you apply it. One good study habit is to solve exercises from the book regularly. The textbook contains solutions to odd-numbered exercises, so you can compare them with your own answers. If you are able to solve a few problems a day, then you will be in good shape.

You are encouraged to attend office hours if there is any part of the material you do not understand.