Math 181 F1 (Spring 2014)

Instructor: Anton Lukyanenko
Course website: http://lukyanenko.net/teaching/2014/181/
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Times and Places

Classroom: 145 Altgeld Hall.
Meeting times: MWF 2-2:50, Jan 22 - May 7.
Office hours: TBA.
Midterm exams: Feb 21, Mar 21, May 2.
Final exam: 1:30-4:30 PM, Friday, May 9, in 145 Altgeld Hall.

Resources

[Free and paid tutoring](#) (math department).
[University of Illinois student code](#).

Policies

Grading

Your final grade will be made up of (see also the attendance policy):

- Quizzes 15%
- Project 10%
- 3 Midterm Exams 45%
- Final Exam 30%

Letter grades will be assigned as follows:

A+: 96.67-100

A: 93.34-96.66

A-: 90-93.33

B+: 86.67-90

B: 83.34-86.66

B-: 80-83.33

C+: 76.67-80

C: 73.34-76.66

C-: 70-73.33

D+: 66.67-70

D: 63.34-66.66

D-: 60-63.33

F: Below 60

A slight curve is possible, but not guaranteed.

Grades on tests and quizzes will be based on correctness, as well as clarity of explanation.

Attendance

Lack of attendance will naturally lead to worse grades. So will not studying, not doing the homework, etc.

Quizzes: To accommodate excused absences, each student's lowest quiz will not be counted towards the final grade.

Exams: In general, there will be no makeup exams. If you are going to miss an hour exam you need to notify me before the exam by e-mail. You must present official documentation excusing your absence within five business day of the exam date. It is completely my discretion whether or not your absence is deemed excused or if there will be a penalty assessed for your absence from the exam.

Group Work and Cheating

Students are encouraged to work together on homework, worksheets, and study sessions. Additionally, help on these will be provided during office hours.

During quizzes and exams, students must work alone and submit their own work. Any communication during a quiz or exam, or any use of unauthorized notes or devices, will be considered cheating and reported to the university (which may result in explusion from the university). Additonal information can be found in the student code (especially Article 1 Part 4).

Any cheat sheets confiscated will be added to my cheat sheet collection.

Accommodations

If you are entitled to accommodations sanctioned by DRES, I need to be notified with official documentation by no later than one week into the course.

In accordance with [DRES examination procedures](), you are expected to sit for your hour exam concurrently with the lecture section. If that is not possible due to other course lecture times, see me and we will find a time that I deem appropriate. I need to be notifed at least three business days in advance so that I can be sure that enough of the different versions of the exams are on hand at DRES.

Course Content

The course will consist of three sections:
1) Discrete math (set theory, probability, and statistics).
2) Computer science (logic, programming, and digital data).
3) Visual math (notions of distance, picture analysis).

In addition, students will complete a project describing a topic of interest to them, and some of its relation to mathematics. More details and guidance to come.

Study Materials

There is **no required textbook** for the course. For the semester project, students will be asked to look through several books at the mathematics library, including the standard book for Math181, [For All Practical Purposes]().

I will post some lecture notes here as they come up. These are not guaranteed to be comprehensive, so students should take notes in class.

[Wikipedia]() is a great reference.