MATH 181: A Mathematical World, Section F1, Spring 2017.

Instructor:	Michelle Delcourt
Class Location:	141 Altgeld Hall
Class Time:	2-2:50pm Monday, Wednesday, Friday
Office Location:	169 Altgeld Hall
Office Hours:	2-2:50pm Tuesday, 1-1:50pm Wednesday
Email:	delcour2@illinois.edu
Course Website:	http://math.uiuc.edu/~delcour2/math181spring2017.html

Text: "For All Practical Purposes: Mathematical Literacy In Todays World," 10th ed., W.H. Freeman and Co. This book will be on reserve in the Mathematics Library.

Course Description: In this course we will explore the foundations of graph theory, coding theory, voting theory, game theory, and geometry with a focus on real-world applications and hands-on activities.

Classroom Policies and Expectations

Code of Conduct: To facilitate an appropriate learning environment, it is essential that all distractions be kept to a minimum. Students should arrive on time and be ready to learn. All cell phones should be silenced and music players put away at the beginning of class. Students who carry on conversations, text message, use laptops, or eat noisily during class will be asked to do so outside of the classroom.

Attendance Policy: It is your responsibility to come to class. If you miss all or part of a class, you should contact someone else in the class to get the lecture notes and announcements. There will be a lot of in-class collaboration, and it is not fair to others in the class if you let yourself fall behind on the material.

Academic Honesty: All violations will be dealt with in accordance with University policy. Cheating on quizzes, tests, or the final exam is strictly prohibited and will result in serious consequences. In particular, cheating may result in an "F" for the course and be reported to both the student's college and the Senate Committee on Student Discipline.

Course Requirements

Homework and Project: Optional homework will be assigned daily on the course website. Suggested practice problems from the book serve as preparation for quizzes and exams. Homework may be turned in for feedback on writing style and correctness. Students are also encouraged to visit my office hours or work with classmates to master this material. In addition, students will complete a project analyzing a topic of interest to them (and of some relation to mathematics). A project proposal is due **Friday, March 10**, and the final project will be due **Wednesday, April 19**.

Quizzes and Exams: There will be eleven weekly 15 minute quizzes as well as three in-class exams (**Friday, February 17**, **Friday, March 17**, and **Friday, April 14**). Only the top 10 scores out of these 11 quizzes will be counted towards the final grade; an absence on a quiz day will result in a 0 on that quiz. **There will be no make-up exams or quizzes.** If you must miss an exam due to illness or another emergency, then within one week of the exam date you

must contact the Emergency Dean (300 Turner Student Services Building, 610 East John St., 333-0050) and ask for a letter excusing your absence. The grade on the corresponding part of the final exam will replace the zero for the missed exam. This replacement policy may be used for only one missed exam.

Final Exam: The final exam will be administered on **Monday, May 8**, 7-10pm in the current classroom. The exam will be cumulative. Failure to take the final exam will result in a failing grade for the semester, regardless of current standing in the class.

Grading Policy
Grade Distribution:
15%, Quizzes
15%, Project
45%, 3 Exams (15% each)
25%, Final Exam

Grade Scale: A slight curve is possible, but not guaranteed.

A-:90–93	A: 93–97	A+: 97–100
B-:80–83	B: 83–87	B+: 87–90
C-:70–73	C: 73–77	C+: 77–80
D-:60–63	D: 63–67	D+: 67–70
F: Below 60		

Other Information
Important Dates: The in-class exam dates are subject to change. You will be given at least a week's notice of any changes.

Drop (without a W) Deadline	(tentative) Friday, March 10
No Class (Martin Luther King Day)	Monday, January 16
Midterm 1	**Friday, February 17**
Project Proposal Due	Friday, March 10
Midterm 2	**Friday, March 17**
No Class (Spring Break)	March 18-26
Midterm 3	**Friday, April 14**
Final Project Due	Wednesday, April 19
No Class (Finals)	Friday, May 5
Final Exam	(tentative) **Monday, May 8, 7-10pm**

Accommodations: Students with disabilities who require reasonable accommodations to participate in this class should contact DRES (www.disability.uiuc.edu) as soon as possible. I need to be notified with official documentation no later than one week into the course. Any test accommodations must be made at least one week in advance and will require a letter from DRES.

Extra Help: Do not hesitate to come to my office during office hours or by appointment to discuss a homework problem or any aspect of the course. Information about tutoring can be found at http://www.math.illinois.edu/UndergraduateProgram/tutoring.html.
Additional resources are your classmates who are all working on the same material, so you are encouraged to work together on the homework.