

MATH 2200 MWF 8:45am-9:45am, Room: LCB 225

Instructor: Anna Romanova, Office: JWB 115 (President's Circle)
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Office Hours: Mondays from 1pm-2pm and Thursdays from 9am-10am.

Textbook: You are not required to purchase a textbook for this course. My lectures will follow a set of lecture notes written by Thomas Goller which will be posted on canvas. They will roughly follow the textbook *Discrete Mathematics and its Applications* by Kenneth H. Rosen (ISBN: 978-0-07-338309-5). If you would feel more comfortable with a textbook for reference, I recommend purchasing Rosen's book.

Course Web Page: All course information and announcements will be posted on canvas. You can access the course's canvas page through CIS. This page contains material that may help you succeed in this course. Check it frequently!

Prerequisites: C or better in one of Math 1220, 1250, 1260, 1270, 1311, 1320, 1321, 2210, or AP Calc BC score of 5. If you received a C in your prerequisite course, you should seriously consider retaking it before proceeding with Math 2200.

Course Overview: This is a course on the fundamentals of discrete mathematics. It includes an introduction to proofs and rigorous analytic thinking; students will learn how to understand and write short proofs. We will introduce basic elements of mathematics such as fundamentals of logic, sets and relations, functions, number theory, modular arithmetic, combinatorics, and graph theory. Math 2200 provides a good foundation for higher mathematics or computer science courses.

Homework: There will be one homework assignment each week, due on Wednesdays at the beginning of class. Homework problems will be posted on canvas. I understand that sometimes homework cannot be completed on time due to circumstances beyond your control. To account for this, each student will be allowed to turn in two late homework assignments throughout the course of the semester. These assignments cannot be turned in more than one week late, and must be turned in on a Wednesday with the next homework assignment. You do not need to tell me the reason why your homework assignment is late. In addition to your two late assignments, your lowest homework score will be dropped. I encourage you to work together on homework assignments, but you must write your own solutions in your own words. Identical assignments will be considered cheating and will be given no points.

Quizzes: There will be quizzes each Friday at the beginning of class. These quizzes will take place all weeks except exam weeks. These quizzes will be 15 minutes long, and will cover material that we have covered since the previous quiz. Your lowest quiz score will be dropped.

Midterms: There will be two midterm exams. They will take place in class on Friday, June 17 and Friday, July 22. These exams will include all material that has been covered in class since the previous exam. These will be closed book exams with no calculators. There will be no make-up exams, though the final exam score may replace a midterm missed due to personal or family emergencies.

Final Exam: The final exam for this course takes place on **Thursday, August 4** from **7:30am-9:30am** in our regular classroom **LCB 225**. You must take the final exam at this scheduled time - there will be no makeup exams. *If you cannot take the final exam at this time, please drop the class.*

Grading: Homework, midterm exams, and the final exam will contribute to your final course grade. The breakdown of how each element contributes is the following:

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| Weekly Homework | 25% |
| Weekly Quizzes | 25% |
| Midterm 1 | 15% |
| Midterm 2 | 15% |
| Final | 20% |

I reserve the right to change the grade scheme as I see fit. Any other grade schemes will only be beneficial to your grade as compared to the above standard. Your final numerical grade will be rounded to the nearest integer, and letter grades will be distributed according to the following scheme: A (100-93), A- (92-90), B+ (89-87), B (86-83), B- (82-80), C+ (79-77), C (76-73), C- (72-70), D+ (69-67), D (66-63), D- (62-60), E (59-0).

ADA: The Americans with Disability Act requires that reasonable accommodations be provided for students with cognitive, systemic, learning and psychiatric disabilities. Please contact me at the beginning of the semester to discuss any such accommodations you may require for this course.

Other policies:

- Please be respectful during lectures. You are an adult, and I will expect you to act accordingly. Examples of disrespectful behavior include texting, surfing the web, and talking while I am talking. If you are behaving disrespectfully in class, I will ask you to leave.
- If you have questions about your grade on an exam or homework assignment, you must bring them to my attention within a week of when the assignment was returned to you.
- If you cheat on any assignment, I will give you a zero on that assignment. Depending on the severity of the cheating, I may decide to fail you from the class. In all cases of academic dishonesty, I will report the incident to the Dean of Students.

Important Dates:

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| Drop Deadline | May 25 |
| Memorial Day (NO CLASS) | May 30 |
| First Midterm | June 17 |
| Withdraw Deadline | June 24 |
| Independence Day (NO CLASS) | July 4 |
| Second Midterm | July 22 |
| Pioneer Day (NO CLASS) | July 25 |
| Course Final | August 4 |

Disclaimer: I reserve the right to change any information in this syllabus throughout the semester. If I make a change to the course policies, I will inform you in class, and post an updated version of the syllabus to canvas. I will hold you accountable for information that is stated in class or posted on canvas.