MA 134                                                    Professor Larry Russ
Discrete Mathematics                                  email:lruss@stevens.edu
Fall 2023                                         office: North Bldg. Room 227

Office Hours
MWF 10-10:40AM North Building Room 227…OR: email anytime and we can arrange to meet
And it's always good, but not necessary, to email me to let me know you are coming to office hours.

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## Course Administration

Homework will be assigned approximately once a week and posted on Canvas whenever we finish a topic. Late homework assignments are not accepted without prior approval, since written solutions will be posted on Canvas shortly after the assignments are due.

**Students often get the most out of the homework problems by working on them individually.** However, discussing the problems with classmates or working together on the harder problems is fine if you prefer that. **If you do work with others, please note their names on the HW submission. Copying another student's work and submitting it as your own is NOT fine, and is a violation of the Honor Code, as is submission of ANY work that is not your own. Please pledge all HW submissions.**

There will be four examinations during the semester and a Final Examination during Finals Week. All examinations are closed book, closed notes.

Your final grade will be determined as follows:
        Homework: 10%
        Examinations:  60%
        Final examination:  30%

Note: I also calculate your final score for the course by counting the final Exam 60% and the Exams 30% and for each student I use the larger of these two calculations when I am assigning final grades for the course.

Textbook: Discrete Mathematics with Applications, **4th Edition**, by Susanna Epp, Brooks/Cole Publishers **The 5th edition is out, but the 4th is available and less expensive and I will assign problems and reading from the 4th edition.**

Topics to be covered:
        Propositional Logic
        Predicate Logic
        Intro to Number Theory
        Proof Techniques
        Mathematical Induction
        Recursion
        Functions