

MATH 314 Discrete Mathematics
Strong 205 - TR 11:00am–12:15pm
Fall 2025

Steven Senger

August 17, 2025

Instructor: Steven Senger

Office and office hours - online, by appt. Zoom - 777 890 9923

Email - stevensenger@missouristate.edu (I will respond as soon as I can)

Book

You do **NOT** need a book for this class, because I've typed notes for us to use throughout the semester. However, I would recommend, Discrete Mathematics and its Applications, McGraw-Hill, 2007 (6th ed.).

Evaluation

There will be at least six quizzes, twenty points each, with the lowest grade(s) dropped to make a total of 100 points. There will be two mid-term exams worth 100 points each. During finals week, on **Thursday, December 11, 11:00 am to 1:00 pm**, there will be a cumulative final worth 200 points. This makes for a total of 500 points available throughout the semester. I will try to get grades back to you within a school week of taking a quiz or exam. For every minute over time on a quiz or exam, I may deduct 10% of the score. This is usually not a problem. I prefer to not do make-ups for missed quizzes or exams. If you have an excused absence during a quiz or exam, then your grade will be figured without that score, neither hurting or helping your grade. However, if you miss too many exams or quizzes, then I will consider giving you a make-up so that you don't concentrate too much of your grade on the final exam. The grade cutoff percentages are:

$$F < 60 \leq D- \leq 63 \leq D \leq 67 \leq D+ \leq 70 \leq C- \leq 73 \leq C \leq 77$$

$$77 \leq C+ \leq 80 \leq B- \leq 83 \leq B \leq 87 \leq B+ \leq 90 \leq A- \leq 93 \leq A$$

Quizzes and exams will largely be based on the exercises in relevant sections of the notes. Homework questions of particular interest will be highlighted in class. You should

work these exercises outside of class. Though they will not be handed in for credit, many will show up on quizzes and exams. Doing homework is preventive maintenance, like changing the oil in your car. Actively choosing not to do suggested homework exercises is actively choosing to have a lower chance of success in this course.

Course Policies

You are expected to attend every class meeting. In the result of a missing a class for whatever reason, the responsibility of getting the missed notes/information is up to you.

Any quiz or exam which is missed due to an UNexcused absence will receive a zero. This includes, but is not limited to: traffic, sleeping through an alarm, or not knowing where and when the exam will be held.

Some examples of excused absences are: severe illness, death in the family, University activity, religious holiday, or a wedding (in which you are participating). Let me know as soon as possible if there is a potential conflict, or your absence could be deemed unexcused. If you have a situation that causes you to miss multiple classes, please discuss your options with me. I am typically happy to offer an extension or drop a quiz, or grant you an incomplete in the course if need be. See the Student Guide to University Policies for more information.

No electronic communications devices or dictionaries may be employed during a quiz or exam in class. This means that your cell phone must be on silent and put away. During class, please keep these devices on silent. This also means that you may not use a cell phone calculator on a quiz or exam. NO CALCULATORS will be allowed during quizzes or exams unless otherwise specified.

In the event that I become ill, or if there is a pandemic, or other some other circumstance, we may have to switch to remote learning at some point. If that happens, I plan to hold lectures at the normal time through zoom. I typically record these lectures and make the recordings available online.

Academic honesty will be strictly enforced. You may not cheat or copy work. Do your own work. Hand in your own work. Remember that allowing someone else to copy your work is considered cheating. Students are encouraged to work together outside of class. Missouri State University is a community of scholars committed to developing educated persons who accept the responsibility to practice personal and academic integrity. You are responsible for knowing and following the University's academic integrity policy plus additional more-specific policies for each class. The University policy, formally known as the "Student Academic Integrity Policies and Procedures" is available online at www.missouristate.edu/policy/Op3_01_AcademicIntegrityStudents.htm and also at the Reserves Desk in Meyer Library. Any student participating in any form of academic

dishonesty will be subject to sanctions as described in this policy.

All of the relevant course materials (except for the book) will be available in some form online. I'm planning to have videos of all of the lectures available in addition to our synchronous online meetings regardless.

University Policies

The full, detailed list of policies is available at:

<https://www.missouristate.edu/Provost/bbsyllabus.htm>

Alternative class delivery may be necessary in cases of bad weather, pandemic, etc. I will do my best to offer some sort of online lecture, either live (e.g., Zoom) or pre-recorded (e.g., YouTube), as well as typed notes. I will also do my best to give you as much advanced notice as I can.