

Course Syllabus: Introduction to Modern Mathematics
MATH 3233 Section 201 Spring 2023
Monday, Wednesday, Friday 9:00-9:50am

Contact Information

Professor: Dr. Michelle Knox

Office: Bolin Hall 118A

Office hours: Monday 11:00-11:50am and 1:00-1:50pm, Wednesday 10:00-10:50am, Thursday 1:00-1:50am, and Friday 11:00-11:50am

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Course Description

Introduction to logic and methods of proof, set operations, equivalence relations, functions, mathematical induction, and cardinality. Other topics related to the study of the structure of mathematical proof may be included.

Textbook & Instructional Materials

We will be using the free online textbook:

Book of Proof, Third edition, by Richard Hammack

Grading

Table 1: Percentages allocated to each assignment

Assignments	Percentage
Exam 1	15%
Exams 2-4	21%
Final Exam	22%
Total	100%

Table 2: Percentages for final grade.

Grade	Percentage
A	90%
B	80%
C	70%
D	60%
F	Less than 60%

Attendance Policy

Attendance will be taken at the beginning of every class. Any student who is late or who leaves early may be counted as absent. This will result in a zero on any

quiz or other assignment for the day. **Any student who misses seven or more classes may be dropped from the course.**

If you miss class, it is your responsibility to

1. get notes from another student for the day(s) you missed, and
2. see Dr. Knox before the next class for any handouts from the day(s) you missed.

Homework

Graded homework will be given a "complete" or "incomplete" as a score. A "complete" on a homework problem/assignment does not mean you must earn a perfect score on that problem. (In fact, you will not receive a numerical score at all.) A "complete" means you have submitted a solution that Dr. Knox has accepted as being more or less correct (in her opinion), though there will still likely be feedback from Dr. Knox on improvements. Please note that:

- (1) if you do not earn a complete on at least 50% of all collected homework, you will lose 5% from your final grade at the end of the semester.
- (2) assignments are generally due at the start of the next class, unless otherwise specified by Dr. Knox (including problems that are redone).
- (3) late homework assignments will not be accepted and will be automatically counted as incomplete.
- (4) if you are given the opportunity to redo a problem, you must submit the new solution along with the first submission, and you are only allowed one redo for a problem.

Unless told otherwise, you are allowed (and even encouraged) to work with your classmates on homework exercises. However, you must write your own final proofs. Dr. Knox expects all homework submissions to be your own work. Homework submissions must also follow Dr. Knox's submission guidelines in order to be accepted.

1. Do not write up your final proof with anyone else.
2. Do not allow another person to read your final proof.

If you want to help someone understand how to work a problem, talk to them and give them advice or pointers, but never show them your completed work. ***Note that you are not allowed to consult other textbooks, the internet, or any apps for any of your homework exercises.*** You may consult other MSU faculty members, and you may work with other students in our class, but you are not allowed to discuss homework with anyone else. Violation of Dr. Knox's homework policy will be considered an act of academic dishonesty. ***See the***

Academic Dishonesty section of this syllabus for possible academic sanctions when academic dishonesty occurs.

Exams

The dates of the exams are

- Exam One is on Monday, February 13, 2023.
- Exam Two is on Wednesday, March 8, 2023.
- Exam Three is on Wednesday, April 5, 2023. (This is the day before the Holiday break!)
- Exam Four is on Wednesday, May 4, 2023.
- The Final Exam is on Monday, May 8, 2023, 8:00-10:00am.

If an exam is missed, every effort must be made by the student to notify Dr. Knox in a reasonable amount of time before the exam. It is best to call Dr. Knox rather than email her when you miss an exam.

Additional Assistance

You are welcome to stop by Dr. Knox's office at any time during office hours if you have questions or need extra help with this course.

Electronic Devices Policy

Please turn cell phones off or place on silent prior to the beginning of class. All cell phones must be placed face down on the desk/table in front of you. Use of a cell phone or any other unauthorized electronic device (including earbuds or a smart watch) during class may result in the student being counted absent, and any graded work turned in on that day will receive a grade of zero. Continued violation of this policy may result in a referral to the Dean of Students and/or the student may be withdrawn from the class by the instructor. Using an unauthorized electronic device (such as a cell phone, smart watch, or earbuds) during a test or quiz will result in one of the penalties listed under the academic misconduct policy given in this syllabus.

Desire-to-Learn (D2L)

Use of the MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into [D2L](#) through the MSU Homepage.

Academic Misconduct Policy

All work that you do that contributes to your course grade must be your own work. Any evidence that you submitted work that is not your own is considered

an act of academic dishonesty. An act of academic dishonesty will be reported to the university and will result in one of the following academic sanctions:

- Receiving a 0 on the homework assignment or exam.
- Loss of a certain percentage of your overall MATH 3233 grade.
- Receiving an F in MATH 3233.
- Receiving an F in MATH 3233 that will remain permanently on your transcript and within your MSU GPA.

The university's academic dishonesty policy can be found at [student handbook](#)

Services for Students With Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to [Disability Support Services](#).

College Policies

Campus Carry Rules/Policies

Refer to: [Campus Carry Rules and Policies](#)

Student Handbook

Refer to: [student handbook](#)