

Course Syllabus: **Problem Solving and Discrete Math**

College of Science, Mathematics and Engineering

MATH 3004 Section 101

Fall 2023

Contact Information

Instructor: Terry McDonald

Office: 113B Bolin Hall

Office hours: Mondays, 11:00am-12:00pm. Wednesdays and Fridays, 10:00am-11:00am. Tuesdays and Thursdays, 1:00pm-2:00pm. Appointments for office time are encouraged.

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Course Description

Set theory, mathematical induction, logic, introduction to proofs (this course is designed for students planning to teach grades 4-8 mathematics.)

Textbook & Instructional Materials

Lectures: Monday, 10:00am – 10:50am, in Bolin Hall 309. Tuesday and Thursday, 9:30am – 10:50am, in Bolin Hall 309.

Textbook: Discrete Mathematics an Introduction to Mathematical Reasoning, Brief Ed., by Epp.

Textbook: Crossing the River with Dogs Problem Solving for College Students by Johnson, Herr, and Kysh.

Calculator: A calculator is allowed during specified times.

Study Hours and Tutoring Assistance

Available in the Moffett Library via the MSU Texas Tutoring and Academic Support Programs.

Student Handbook

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individual's to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct.

Homework

Suggested homework problems will be assigned but not graded.

Quizzes

The material in the homework will be evaluated using quizzes. They will be averaged and count as 20% of the final grade.

Tentative Dates for the Exams

There will also be three exams which will each count as 20 percent of the final grade. Please note that the following test dates are tentative and may be changed.

Exam 1: Tuesday, September 26, 2023.

Exam 2: Thursday, October 26, 2023.

Exam 3: Tuesday, December 5, 2023.

Final Exam

The final exam will be comprehensive and count for 20 percent of the final grade. Note, if your final exam score is better than your lowest test score, then I will replace the lowest test score with the final exam score. The final exam is scheduled for Tuesday, December 12, 2023, 8:00am - 10:00am.

Grading

Course Grade – The final letter grades will be determined by the following scale:

Table 1: Total percentage points for final grade.

Grade	Percentage Points
A	90 and above
B	80 to 89
C	70 to 79
D	60 to 69
F	Less than 60

Late Work

Make-ups for exams and quizzes will only be allowed for a university approved excuse in writing.

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](#)