

MATH 3345 SYLLABUS
Spring 2020
12:40-1:35 MWF, Evans Laboratory 2003

LECTURER: Tim Carlson

OFFICE: MW 740 (Math Tower)

OFFICE HOURS: 1:45-2:25 and 4:05-4:30 MWF

TEXTBOOK: *The Fundamentals of Higher Mathematics* (November 19, 2019 version) by Neil Falkner.

COURSE WEBPAGE: <https://people.math.osu.edu/carlson.6/20sp3345a.html>

TOPICS: The goal of this course is to learn the basics of reading and writing mathematical proofs. We will begin by covering

Sections 2-7,10-12,17

of the textbook and consider other sections if there is time.

GRADES: Your grade will be based on homework assignments, two midterm exams and the final exam with weighting

Midterm 1 (100 points = 20%)

Midterm 2 (100 points = 20%)

Final Exam (200 points = 40%)

Homework (20%)

HOMEWORK: Each homework assignment will be due on the second lecture after it is assigned (so none will be due on the day of a midterm or the review day before). There will be roughly a homework assignment for each lecture. So, there can be as many as 37 homework assignments. The number of possible points on assignments will vary and I expect the maximum number of points on homework will be more than 100. So that homework counts as 20% of the grade, the homework totals will be rescaled to a maximum of 100 points at the end of the semester.

EXAM SCHEDULE:

Midterm 1 on Friday, February 14

Midterm 2 on Friday, March 27

Final Exam on Tuesday, April 28 at 12:00-1:45pm

The midterms will be held during the usual class time. All exams will be in the lecture room, Evans Laboratory 2003.

PREPARATION: You should read completely all sections discussed in class. There won't be time to cover everything in the lectures. You should also work through lots of the exercises (which are scattered throughout the textbook) – not only those that are assigned. Having other members of the class to study with can be a big help, especially when you take turns explaining things to each other (even without a complete solution).

ACADEMIC MISCONDUCT STATEMENT: Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Thus, The Ohio State University and the Committee on Academic Misconduct (COAM) expect that all students have read and understand the University's Code of Student Conduct, and that all students will complete all academic and scholarly assignments with fairness and honesty. Students must recognize that failure to follow the rules and guidelines established in the University's Code of Student Conduct and this syllabus may constitute "Academic Misconduct." The Ohio State University's Code of Student Conduct (Section 3335-23-04) defines academic misconduct as: "Any activity that tends to compromise the academic integrity of the University, or subvert the educational process." Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, and possession of unauthorized materials during an examination. Ignorance of the University's Code of Student Conduct is never considered an "excuse" for academic misconduct, so I recommend that you review the Code of Student Conduct and, specifically, the sections dealing with academic misconduct. If I suspect that a student has committed academic misconduct in this course, I am obligated by University Rules to report my suspicions to the Committee on Academic Misconduct. If COAM determines that you have violated the University's Code of Student Conduct (i.e., committed academic misconduct), the sanctions for the misconduct could include a failing grade in this course and suspension or dismissal from the University.

DISABILITY STATEMENT: Any student who feels they may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact the Office for Disability Services at 614-292-3307 in room 098 Baker Hall to coordinate reasonable accommodations for documented disabilities.