
SYLLABUS: MATH 574

DISCRETE MAHEMATICS

Instructor: Michael Filaseta

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E-mail Address: filaseta@math.sc.edu (encouraged to use)

Web Page for Course: <http://www.math.sc.edu/~filaseta/courses/Math574/Math574.html>
(contains past tests, some homework solutions, and other material)

Office Hours: 10:00-10:45 a.m. on MWF and by appointment

Cell Phone Policy: Please remember to turn off your cell phone prior to class.

Text: No Required Textbook

Grading Percentages: Quizzes and Class Participation (10% total)
3 tests (20% each)
final (30%)

Grading Scale: A score of 90% or above will be an **A**
a score of at least 87 % will be at least a **B⁺**
a score of at least 80 % will be at least a **B**
a score of at least 77 % will be at least a **C⁺**
a score of at least 70 % will be at least a **C**
a score of at least 67 % will be at least a **D⁺**
a score of at least 60 % will be at least a **D**
a score of less than 60 % will be an **F**

Final Exam: The final exam is on Saturday, December 13, from 9:00 a.m. to noon. There are no exemptions to the final, and the timing of the final cannot be changed.

Learning Outcomes: Students will master the fundamentals of proof techniques, including proof by contradiction, induction and the pigeon-hole principle. They will also master the concepts and be able to solve problems associated with enumeration, permutations and combinations, recurrence relations, and the groundwork for the more advanced topics of graph theory and game theory.