

Math 2603  
Section: 003

**Discrete Mathematics**  
MWF 11:50 – 12:40  
GEAR 150

Fall 2017  
Prof. Matthew Clay

**Office:** SCEN 326

**Email:** mattclay@uark.edu

**Phone:** 575-5195

**Course Website:** <http://comp.uark.edu/~mattclay/Teaching>

**Office Hours:** Monday: 9:00 – 10:00, Tuesday: 2:00 – 3:00 and Friday: 9:00 – 10:00

If you are unable to use any of the above times, please make an appointment to see me.

**Text:** *Discrete Mathematics*, 7th edition, by Richard Johnsonbaugh, Pearson Prentice Hall.

**Prerequisites:** Math 2554 with a grade of C or better.

**Goals:** You will learn the language and tools of set theory, combinatorics, graph theory and logic. By the conclusion of the semester you will be able to construct elementary mathematical arguments involving induction, contradiction and counting. We will cover the majority of Chapters 1 – 9 of the text.

**Academic Honesty Policy:** As a core part of its mission, the University of Arkansas provides students with the opportunity to further their educational goals through programs of study and research in an environment that promotes freedom of inquiry and academic responsibility. Accomplishing this mission is only possible when intellectual honesty and individual integrity prevail. Each University of Arkansas student is required to be familiar with and abide by the University's "Academic Integrity Policy" which may be found at <http://honesty.uark.edu>. Students with questions about how these policies apply to a particular course or assignment should immediately contact their instructor.

**Class Conduct:** Attendance is expected. Using a mobile device inappropriately counts as an absence.

**Exams/Quizzes:** There will be three in class exams (Monday, September 18, Monday, October 9 and Wednesday, November 8) and a final exam on Wednesday, December 13 at 12:45 – 2:45 PM. There will be weekly take-home quizzes. *You must be present in class to receive a quiz.* The lowest quiz grade will be dropped.

A make-up for an exam will not be given without a compelling reason and my *prior consent*. *You must inform me before the exam* if you are to miss it due to illness, University related activity or religious holiday. You must inform me either through a phone call or in person. A make-up for a quiz will only be allowed for justifiable and documented absences. *This is a very strict policy.*

**Homework:** Homework is assigned daily but will not be collected. It is expected that you have attempted each assigned problem. *Homework assignments are very important to the learning process. Math is not a spectator sport, the only way to get better is to practice.*

**Calculators:** Calculators are not permitted on any quiz or exam.

**Course Grade:**

- Participation - 6%
- Quizzes (Weekly) - 15%
- Exam 1 (Monday, September 18) - 18%
- Exam 2 (Monday, October 9) - 18%
- Exam 3 (Wednesday, November 8) - 18%
- Final (Wednesday, December 13, 12:45 – 2:45 PM) - 25%

Letter grades: A : 100 – 90; B : 89 – 80; C : 79 – 70; D : 69 – 60; F : 59 – 0

**Important Dates**

Monday, August 21	Classes Start
Friday, September 1	Last day to drop without W
Monday, September 4	Labor Day
Monday, September 18	In class exam 1 (18% of grade)
Monday, October 9	In class exam 2 (18% of grade)
Monday, October 16 – Tuesday, October 17	Fall Break
Wednesday, November 8	In class exam 3 (18% of grade)
Friday, November 17	Last day to drop with W
Wednesday, November 22 – Friday, November 24	Thanksgiving Holiday
Thursday, December 7	Last day of classes
Wednesday, December 13	Final Exam (12:45 – 2:45 PM) (25% of grade)

See <http://calendars.uark.edu> for the complete academic calendar and final exam schedule.

**Special Accommodation:** Students who are registered with the Center for Educational Access must notify the instructor in writing by the end of the first week of class, or within one week of registering with CEA.

**Inclement Weather Policy:** Class will be held if the University is officially open. Allowances will be made if you are unable to safely reach the campus, but, bravely, class will go on! Do not call the Math office for inclement weather information. Instead, you should call the following telephone number: 575-7000.

**Disclaimer:** Information on this syllabus is subject to change. Any change will be announced in lecture.