

Math 2603  
Section: 004

**Discrete Mathematics**  
MWF 10:45 – 11:35  
AGRI 301A

Fall 2019  
Prof. Matthew Clay

**Office:** SCEN 326

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**Phone:** 575-5195

**Website:** <http://mattclay.hosted.uark.edu/Teaching>

**Office Hours:** Monday: 12:00 – 1:00, Wednesday: 1:00 – 2:00 and Thursday: 11:00 – 12:00  
If you are unable to use any of the above times, please make an appointment to see me.

**Text:** *Discrete Mathematics*, by Sandi Irani, zyBooks. To obtain the text, click on the zyBooks link under the “Contents” tab in Blackboard and subscribe. Do not go to the zyBooks website and create a new account.

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

**Goals:** You will learn the language and tools of logic, set theory, combinatorics and graph theory. 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 – 12 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.

**Participation:** Attendance is expected. After three unexcused absences, points will be deducted from participation grade.

**Online Assignments:** There will be weekly assignments administered online through the text (participation and challenge activities). Each section also contains some additional exercises. It is assumed that you have attempted each 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.*

**Exams/Quizzes:** There will be three in class exams (Friday, September 20, Friday, October 18 and Friday, November 15) and a final exam on Monday, December 16 from 10:15 AM – 12:15 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. A make-up for a quiz will only be allowed for justifiable and documented absences.

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

**Course Grade:**

- Participation - 2%
- Online Assignments (Weekly) - 15%
- Quizzes (Weekly) - 20%
- Exam 1 (Friday, September 20) - 15%
- Exam 2 (Friday, October 18) - 15%
- Exam 3 (Friday, November 15) - 15%
- Final (Monday, December 16, 10:15 AM – 12:15 PM) - 18%

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

**Important Dates**

Monday, August 26	Classes Start
Monday, September 2	Labor Day
Monday, September 9	Last day to drop without W
Friday, September 20	In class exam 1 (15% of grade)
Friday, October 18	In class exam 2 (15% of grade)
Monday, October 21 – Tuesday, October 22	Fall Break
Friday, November 15	In class exam 3 (15% of grade)
Friday, November 22	Last day to drop with W
Wednesday, November 27 – Friday, November 29	Thanksgiving Holiday
Thursday, December 12	Last day of classes
Monday, December 16	Final Exam (10:15 AM – 12:15 PM) (18% of grade)

See <http://registrar.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.