Math 4933	**Mathematics Major Seminar**	Spring 2023
Section: 002	TTh 12:30 – 1:45	Prof. Matthew Clay
	SCEN 322	

Office: SCEN 326 **Email**: mattclay@uark.edu **Phone**: 575–5195

Office Hours: Office hours will be held in-person, but you may request a virtual meeting.
Monday: 11:00 – 12:00, Tuesday: 11:00 – 12:00 and Thursday: 11:00 – 12:00
If you are unable to use any of the above times, please make an appointment to see me.

Prerequisites: Senior standing and a mathematics major, or departmental consent.

Course Goal: This course is unconventional in that it does not focus on a specific mathematical field or topic. Instead, the primary goal of this course is for you to synthesize your undergraduate mathematics and/or statistics education by reading, talking, and writing mathematics with your peers. By the end of this course, you will be able to:
- evaluate and interpret mathematical arguments with and for your peers;
- compose a written work introducing your peers to a topic in mathematics or statistics, providing examples, motivation and applications; and
- develop and deliver a presentation based on this written work.

It is important to recognize that these are necessary skills for nearly all mathematical disciplines and occupations.

Academic Honesty Policy: Academic dishonesty will not be tolerated. 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.

Assignments: There are four major assignments: What Is ... ? Article, Euler Formula Project, Group Project, and Written Project. These will be introduced in lecture. Smaller homework is assigned periodically.

Presentations: All students will give five presentations during the semester ranging from 2 minutes to 30 minutes. Three presentations are solo and two are in a group. The final presentation will cover the written project.

Major Field Test for Mathematics: All students are expected to take the Major Field Test for Mathematics during the final exam period. This test is an essential assessment tool used by the Department of Mathematical Sciences. Full credit is given for completion of the test.

Student Responsibilities: Students are expected to attend and participate in all class meetings. Students are expected to treat each other with respect during class, using thoughtful dialogue and keeping disruptive behaviors to a minimum. This applies both to working in groups and while listening to presentations from other students. Cell phones, iPads, or any device that may distract from the class should be silenced before class begins unless instructed otherwise and may not be on the desk during class.

Course Grade:
- Participation   - 10%
- What Is ... ? Article   - 12%
- Euler Formula Project   - 12%
- Group Project   - 16%
- Written Project (paper (20%) and presentation (5%))   - 25%
- Miscellaneous Assignments   - 15%
- Major Field Test   - 10%

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

All scores posted on or before Dead Day will be deemed accurate unless a possible error is brought to the attention of the instructor before the scheduled final exam.

Important Dates

Tuesday, January 17	Classes start
Monday, January 23	Last day to drop without W
Monday, March 21 – Friday, March 25	Spring Break
Friday, April 21	Last day to drop with W
Thursday, May 4	Last day of classes
Tuesday, May 9	Final Exam (12:45 – 2:45)

For the complete academic calendar, see:

https://registrar.uark.edu/academic-dates/academic-semester-calendar/

For the complete final exam schedule, see:

https://registrar.uark.edu/registration/final-exam-schedule/index.php

Special Accommodation: Under University policy and federal and state law, students with documented disabilities are entitled to reasonable accommodations to ensure the student has an equal opportunity to perform in class. If any member of the class has such a disability and needs special academic accommodations, please report to the Center for Educational Access (CEA). Reasonable accommodations may be arranged after the CEA has verified your disability. Students who are registered with the Center for Educational Access must meet with the instructor by the end of the first week of class, or within one week of registering with CEA to discuss their accommodations. This must be done before you utilize your accommodations. Do not hesitate to contact me if any assistance is needed in this process.

Inclement Weather Policy: Class will meet unless the University is closed. On-campus students are expected to be present. Off-campus students should make their own decisions in the best interest of personal safety. Off-campus students will not be penalized for being absent on those days the Fayetteville Public Schools are closed due to weather. If attendance is severely affected by weather, deadlines and exam dates may be adjusted. Please do not call the Department of Mathematical Sciences with weather-related inquiries. You may contact me for information.

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