

Math 4933 Section: 002	Mathematics Major Seminar TTh 12:30 – 1:45 SCEN 322	Spring 2022 Prof. Matthew Clay
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Office: SCEN 326

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Phone: 575-5195

Office Hours: Office hours will be held via Zoom but you may request an in-person meeting.

Monday: 11:00 – 12:00, Wednesday: 1:00 – 2:00 and Thursday: 11:00 – 12:00

The link can be found on the course Blackboard page. 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 topic. Instead, the primary goal of this course is for you to synthesize your undergraduate mathematics 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, 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, Information Interview, Group Project, and Written Project. These will be formally introduced in lecture and will each have their own handout. Smaller homework is assigned pertaining to the written project (e.g., outline, first draft, etc.).

Presentations: All students will give five presentations during the semester ranging from 2 minutes to 10 minutes. 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.

Masks: You must wear a mask while in class for your protection and for the protection of those around you. Masks must be properly worn, over your nose and mouth, at all times especially when entering and leaving the classroom. If you do not have a mask, please let me know, and a mask will be provided for you. Eating and drinking is not permitted during class. Individuals should leave the classroom to eat or drink,

as necessary. If you require accommodations due to a disability, please contact the Center for Educational Access.

Course Grade:

- Participation - 10%
- What Is ... ? Article - 10%
- Information Interview - 10%
- Group Project - 15%
- Written Project (paper (20%), presentation (5%) and poster (5%)) - 30%
- Miscellaneous Assignments (homework and some presentations) - 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 18	Classes start
Monday, January 24	Last day to drop without W
Tuesday, February 15	What Is ... ? Article due
Thursday, March 17	Information Interview Presentations
Monday, March 21 – Friday, March 25	Spring Break
Tuesday, March 29 & Thursday, March 31	Group Project Presentations
Tuesday, April 12	Final draft of Written Project due
Friday, April 22	Last day to drop with W
Thursday, May 5	Last day of classes
Thursday, May 12	Final Exam (12:45 – 2:45)

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

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.