Math 4933	**Mathematics Major Seminar**	Spring 2021
Section: 002	TTh 12:30 – 1:45	Prof. Matthew Clay
	CHEM 132/Remote Delivery	

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

Office Hours: All office hours will be held via Zoom.

Monday: 11:00 – 12:00, 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.

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:

- interpret mathematical arguments 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 realize that these are necessary skills for nearly all mathematical disciplines and occupations.

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 Delivery: *This is an in-person class.* That being said, many classes will be held remotely.

- When the class is designated *in-person*, I expect you to be physically present unless you are ill, quarantined, or have some other qualified health exemption or official university waiver. Please let me know in advance, if possible, when you will not be able to be present. Lectures are recorded for review but not live-streamed. Viewing lecture recordings is not a substitute for attending class. This attendance policy will be governed by the Spring 2021 COVID-19 Response Guide https://health.uark.edu/coronavirus/returning-to-campus/ and may be modified as condition warrant.
- When a class is designated *virtual*, you must sign in to the Zoom session by 12:30 PM to be on time for class. Improper classroom behavior is not tolerated within Zoom sessions and may result in a referral to the Office of Student Conduct. Contact the Help Desk at http://help.uark.edu or 479-575-2905 if you have any technical issues accessing Zoom.

Access to a reliable Internet connection is required for this course. A problem with your Internet access may not be used as an excuse for late, missing, or incomplete coursework. If you experience problems with your Internet connection while working on this course, it is your responsibility to find an alternative Internet access point, such as a public library or Wi-Fi hotspot.

Unauthorized Use of Class Recordings: Class sessions will be recorded by the instructor and made available to students through Blackboard. These recordings may be used by students ONLY for the purposes of the class. Students may not download, store, copy, alter, post, share, or distribute in any manner all or any portion of the class recording, e.g. a 5-second clip of a class recording sent as a private message to one person is a violation of this provision. This provision may protect the following interests (as well as other interests not listed): faculty and university copyright; FERPA rights; and other privacy interests protected under state and/or federal law. Failure to comply with this provision will result in a referral to the Office of Student Standards and Conduct for potential charges under the Code of Student Life. In situations where the recordings are used to gain an academic advantage, it may also be considered a violation of the University of Arkansas' academic integrity policy.

Recording, or transmission of a recording, of all or any portion of a class by a student is prohibited unless the recording is necessary for educational accommodation as expressly authorized and documented through the Center for Educational Access with proper advance notice to the instructor.

Homework: Homework is assigned periodically pertaining to in-class lectures and the written project.

Presentations: All students will give five presentations during the semester. Some of these will be in-person and some will be remote. The final presentation will cover the written project and accounts for 20% of its grade.

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.

Course Grade:

- Participation   - 10%
- What Is ... ? Article   - 10%
- Information Interview   - 10%
- Group Project   - 20%
- Written Project   - 25%
- Miscellaneous Assignments (homework and some presentations)   - 15%
- Major Field Test (Tuesday, May 4, 12:45 – 2:45)   - 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

Monday, January 11	Classes start
Monday, January 18	Last day to drop without W
Monday, February 22 – Tuesday, February 23	Spring Break
Thursday, March 25 – Friday, March 26	Spring Break
Friday, April 2	Spring Break
Thursday, April 15	Final draft of project due
Friday, April 16	Last day to drop with W
Thursday, April 29	Last day of classes
Tuesday, May 4	Final Exam (12:45 – 2:45)

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.