

MA 330
History of Mathematics
Fall 2023, MWF 1-1:50
Whitehall Classroom Building 337-CB

Instructor: Dave Jensen
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Office Hours: TBA
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Course Description: A survey of the development of mathematics. Topics include: Egyptian and Babylonian mathematics, mathematics of the Greek Classical Age, Euclid and the Alexandrian School, Medieval Islamic mathematics, the Renaissance, the origins of calculus, the Late Modern Period, and 20th century mathematics.

Required Materials: None. Readings and assignments will be posted on the class website:

<http://www.ms.uky.edu/dhje223/MA330Fall2023.html>

Attendance: While participation is important, attendance in this class is not required. In particular, **if you feel sick, you should stay home. I do not need a doctor's note.**

Grading: Your course score will be based on the following percentages, described in more detail below:

40% Essays
35% Written Homework
25% Participation

Assignments will be due every Wednesday throughout the semester. There will be 9 written assignments and 5 essays. Check the course website for details.

It is fine to discuss the homework together, but you must write up your own solutions in your own words. Your solutions should be written in full sentences and be grammatically correct.

Academic Integrity: Per university policy, students shall not plagiarize, cheat, or falsify or misuse academic records. Students are expected to adhere to University policy on cheating and plagiarism in all courses. The minimum penalty for a first offense is a zero on the assignment on which the offense occurred. If the offense is considered severe or the student has other academic offenses on their record, more serious penalties, up to suspension from the university may be imposed.

Plagiarism and cheating are serious breaches of academic conduct. Each student is advised to become familiar with the various forms of academic dishonesty as explained in the Code of Student Rights and Responsibilities. Complete information can be found at the following website: <http://www.uky.edu/Ombud> . A plea of ignorance is not acceptable as a defense against the charge of academic dishonesty. It is important that you review this information as all ideas borrowed from others need to be properly credited.

Because a major focus of this course is on developing your skills and fostering creativity in [writing, argumentation, and critical thinking], you must complete assignments for this course entirely on your own. You may not copy from any online sites (e.g. Course Hero or Chegg) or use composition technologies (e.g. ChatGPT or other GenAI software). Work submitted by students—all process work, drafts, low stakes writing, final versions, and all other submissions—will be generated by the students themselves. For the purpose of this course, any use of these sites or tools will be considered academic misconduct and consequences will follow University policies. If you have any questions or concerns about this policy, contact your instructor before submitting any assignments.

Part II of Student Rights and Responsibilities (available online

<http://www.uky.edu/StudentAffairs/Code/part2.html>) states that all academic work, written or otherwise, submitted by students to their instructors or other academic supervisors, is expected to be the result of their own thought, research, or self-expression. In cases where students feel unsure about the question of plagiarism involving their own work, they are obliged to consult their instructors on the matter before submission.

When students submit work purporting to be their own, but which in any way borrows ideas, organization, wording or anything else from another source without appropriate acknowledgment of the fact, the students are guilty of plagiarism. Plagiarism includes reproducing someone else's work, whether it be a published article, chapter of a book, a paper from a friend or some file, or something similar to this. Plagiarism also includes the practice of employing or allowing another person to alter or revise the work which a student submits as his/her own, whoever that other person may be.

Students may discuss assignments among themselves or with an instructor or tutor, but when the actual work is done, it must be done by the student, and the student alone. When a student's assignment involves research in outside sources of information, the student must carefully acknowledge exactly what, where and how he/she employed them. If the words of someone else are used, the student must put quotation marks around the passage in question and add an appropriate indication of its origin. Making simple changes while leaving the organization, content and phraseology intact is plagiaristic. However, nothing in these Rules shall apply to those ideas which are so generally and freely circulated as to be a part of the public domain (Section 6.3.1).

Please note: Any assignment you turn in may be submitted to an electronic database to check for plagiarism.

Accommodations Due to Disability: If you have a documented disability that requires academic accommodations, please see me as soon as possible during scheduled office hours. In order to receive accommodations in this course, you must provide me with a Letter of Accommodation from the Disability Resource Center (Room 2, Alumni Gym, 257-2754, email address: jkarnes@email.uky.edu) for coordination of campus disability services available to students with disabilities.

Diversity, Equity, and Inclusion: The University of Kentucky is committed to our core values of diversity and inclusion, mutual respect and human dignity, and a sense of community (Governing Regulations XIV). We acknowledge and respect the seen and unseen diverse identities and experiences of all members of the university community (<https://www.uky.edu/regs/gr14>). These identities include but are not limited to those based on race, ethnicity, gender identity and expressions, ideas and perspectives, religious and cultural beliefs, sexual orientation, national origin, age, ability, and socioeconomic status. We are committed to equity and justice and providing a learning and engaging community in which every member is engaged, heard, and valued.

We strive to rectify and change behavior that is inconsistent with our principles and commitment to creating a safe, equitable, and anti-racist environment. If students encounter such behavior in a course, they are encouraged to speak with the instructor of record or the college's diversity officer, who is charged with addressing concerns about diversity, equity, and inclusiveness (uky.edu/inclusiveexcellence/college-diversity-inclusion-officers). Students may also contact a faculty member within the department, program director, the director of undergraduate or graduate studies, the department chair, or the dean. To submit an official report of bias, hatred, racism, or identity-based violence, visit the Bias Incident Support Services website (<https://www.uky.edu/biss/report-bias-incident>).

Suggestions and Other Course Issues: Suggestions for improvement are welcome at any time. Any concern about the course should be brought first to my attention. Further recourse is available through the Mathematics Director of Undergraduate Studies and the Department Chair, both accessible from POT 715.