

## Ma 330 Final Project I Information

The Final Project will be due at the end of the semester on May 1 (the official day of the final exam).

This project will have the following structure:

- The final project will be done either as a single individual project, or **at most by a group of two** students.
- The project is expected to be at least 10 pages.
- The final project will concentrate more on “Mathematics”, even though it will have a historical content. Thus, I expect to see the following parts in it:
  - Introduction to a mathematical topic of historical interest. This may concentrate on the work of an individual mathematician or on a topic central to some branch of mathematics.
  - Outline of some key theorems or calculation techniques. Include precise definitions and proofs as needed. In case of calculation techniques, include detailed instructions that a reader can follow.
  - The accuracy of the mathematical parts is important. The grade of 150 points for the final will be split equally between the mathematical correctness and the exposition. I will be happy to preview your work ahead of time.
  - Give sample applications or solution of problems as appropriate.
  - Give a summary of possible applications or ideas for further investigations. Give a motivation for why one should study it further.
- The first action needed is to settle on a group and a topic. You may consult Robert Davis [davis.robert@uky.edu](mailto:davis.robert@uky.edu) as before for help with both of these. You may also meet with him in person and seek advice. Your choices should be submitted **no later than April 2**. If different groups end up choosing identical topics, then Robert will help with reassignments.
- I will reserve the last week for presentations of some of the selected projects in the class. Thus, you should have enough work done on the project by the middle of April.