Ma 330 Final Project (Sp. 2014) Information

The Final Project will be due at the end of the semester **on May 7, before Noon** (the official day of the final exam). However, I would appreciate if you can submit it ahead of time.

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- The final project will concentrate more on "Mathematics", even though it will have a historical content.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:

    o 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.

    o 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.

    o The accuracy of the mathematical parts is important. The grade of 150 points for the final will be split as 100 points for the exposition and 50 points for the mathematical content. I will be happy to preview your work ahead of time.

    o Give sample applications or solution of problems as appropriate.

    o 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. Your choices should be submitted no later than April 4.
  If different groups end up choosing identical topics, then I will contact you for adjustment.

- I will reserve the last week for presentations of some of the selected projects in the class. These will be selected on the basis of interest in the topic and/or nice mathematics. Thus, you should have enough work done on the project by the middle of April. I should certainly have seen at least an outline of all projects by middle of April.