**Outline** – **Due Monday 2/23 4:30 pm**

**Grade based on content and thoughtfulness of outline.**

Include the following information

* A one to two paragraph summary of the content of your presentation.
* A bulleted outline of your presentation with approximate times for each section
* If you have more than one person in your group explain how the work will be divided up.
  + What is the role of each group member?
  + Who will present which topics?
  + Each group member must participate in the presentation.

**Presentation draft – Due Monday 3/2 4:30 pm or 3 days before your presentation, whichever comes *first*. Grade based on completeness and content.**

This should be a draft of your talk. This should not just be an outline or rough first draft, but a reasonable approximation to your presentation. You may have placeholder slides for a *few* sections of your talk (e.g. “proof of this theorem goes here” or “example of this idea goes here”) but for the most part all of the important ideas should be included.

**Presentation - schedule below**

Individual presenters have 15-20 minutes; groups of two have 30 minutes. You should rehearse your talk to be sure it is clear and the timing is appropriate.

Grade based on scoring rubric (on back) 25% peer score and 75% instructor score.

*Introduction:* Your introduction should give some background of your topic and clearly state the aspect of your topic on which you are focusing. The mathematical, practical or historical importance of your talk should be clear.

*Body:* The content of your talk should illustrate a significant mathematical/cryptographic/historic achievement. You should make it interesting and be well-informed on the details. Your talk should be well-organized and original – it must not just be a recitation of one of your references. If at all possible you should include a class activity to demonstrate one or more of your ideas.

*Format*: Your presentation should be in power point or beamer unless it is important to the delivery that you write on the white board. A template for a beamer presentation in on our website.

*Delivery*: Your presentation must be well-rehearsed and clear. You must speak loud enough to be heard and clearly understand the material you are presenting. You will be expected to answer questions. Audience members will be expected to ask questions.

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| **Presentation Schedule\*** | Monday | Wednesday | Friday |
| Week 9 (3/2-3/6) | Camarie | Amanda / Joy & Riley | Maddie / Andy & Anthony |
| Week 10 (3/9-3/13) | Rob / Ty & Mackenzie | Kyle / Khorbin & Noe | Poster Presentations |

**\*Changes in presentation dates may only be made in cooperation with both parties and upon my consent.**