

## **Elements of a Strong, Brief Research Talk**

These comments are suggestions for the talk at the end of Math581 that is 10 minutes in length and summarizes the individual project you did as part of the course.

1. Include a title slide with short text, your name, and perhaps an appropriate image that illustrates the ideas of the project. While this slide is projected, you should explain what the words mean in your title, assuming these have any technical content. If the project is based on a published paper, at the bottom give the authors, title and journal reference for the paper.
2. A second slide should have the objectives of the project clearly described in at most 3 bullet points.
3. A third slide should have some background – typically a diagram of a conceptual model of the project and basic assumptions of the model. You should talk about each element of the conceptual model and how this model relates to the objectives.
4. A fourth slide should have a mathematical summary of the model. If the mathematical description is lengthy, just include the state variables and discuss the temporal and spatial scales of the model.
5. A fifth slide should provide conclusions/results from the model, and how these were obtained (e.g. simulation or analytically). While this is projected you might discuss any criticisms you have of the model or analysis and what might be done to fix these.