MATH 345
Presentation Project

This presentation project is an opportunity for you to dig more deeply into a subject in Complex Analysis that you can "own" and share with the class. You should choose a topic that is interesting to you in some way.

Parameters:

1. This is intended as a group project. Groups should consist of 2-4 members.

2. Each group should plan on around 15 minutes per member. (They need not be consecutive minutes in the presentation, however.)

3. The topic is yours to choose, subject to approval; let me know what you plan to do so that I can make sure it is at an appropriate level and accessible.

4. The format of the presentation is wide open. You are welcome to use Beamer, whiteboards, or even pre-record a lecture if you choose (although you would still need to be available for questions). If you plan to do something "unusual," be sure to check with me to make sure it's appropriate. (For example, sharing a 30-minute Ted talk on harmonic analysis would not be appropriate...)

5. The talk itself should include the following components:

   (a) necessary background information or context;

   (b) new definitions and useful examples;

   (c) major theorems in the area (not all, but the ones you are focusing on);

   (d) accessible proofs or justifications; and

   (e) a brief indication of why you chose your topic.

6. The presentation project is worth 100 points in the class.

   (a) 40 points are for the correctness and accuracy of your presentation. Are definitions and theorems stated correctly? Are proofs accurate? Are examples worked out correctly? Etc.

   (b) 40 points are for "presentation": are slides or board work readable? Are you prepared? Is the presentation polished (not in the sense of perfect, but in the sense of not thrown together at the last minute and never practiced)? Did you use your time well? Etc.

   (c) 20 points are for handling of questions. Do you understand the material? Are you able to respond reasonably to relevant questions? Etc.