

Project Description

Part of your grade this semester comes from a project. You will work in groups of four to research a special topic related to the material we cover this semester. Your group will then share what was learned with the rest of the class in the form of a short presentation.

After choosing a topic, your group must meet with me to discuss the presentation.

Here is a list of project topics that you may choose from (I am open to further suggestions):

- The critical group of a graph
Section 1: Traymon, Amanda, Kristen (12/2)
Section 2: Josh, Mark (11/22)
- Cayley graphs
Section 1: Caitlin, Emily, Justin B. (11/22)
Section 2: Jessica, Chris (11/20)
- Finite geometry
Section 1: Justin H., Dale, Michael, Brendan (11/15)
Section 2: Richard, Ashton, Sam, Brenton (11/15)
- Simple groups
Section 1: Rachel, Justine, Mabel, Alex (12/4)
- The Isomorphism Theorems
Section 1: Philip, Ali, Megan (12/6)
- Group actions
Section 2: Jacob, Lacey, Jordan (12/2)
- Representation theory
Section 2: Beth, Hunter, Amanda, Nick (12/4)
- Integer matrices and the Smith normal form
Section 2: Callie, Hanna, Dave, Tanner (12/6)
- Difference sets
Section 1: Kelsey, Greg, Kirill, Denise (11/20)