

POSTER PLANNING WORKSHEET GUIDELINES

Careful planning is necessary to assemble an effective poster. The first step to prepare your poster is to thoroughly read and understand your source material. Remember, you will need to explain this material to your classmates and instructor. You will submit the following items:

- Poster
- Poster Abstract
- AI Usage Statement
- Poster Presentation Recording (or a link) (separate assignment sheet for this)

Poster:

- The themes for the three topics will be
 - Poster 1: Span and Spanning Sets
 - Poster 2: Linear Transformations
 - Poster 3: Application of Linear Algebra
- Each poster must have, at minimum, the following components:
 - Poster Title: Your title should be eye-catching and results-oriented (i.e., the main takeaway of your poster should be in your title.)
 - Visuals: Include at least two visuals that you will use for your poster. Visuals can be pictures, graphs, or tables that will enhance a poster viewer's understanding. Make sure to include appropriate citations.
 - Example from a lab related to the content
 - Examples or components of more than one type of vector space (This does not mean having an example with \mathbb{R}^2 and \mathbb{R}^3)
 - Example or component from homework (not just copied from solutions)
 - Applications and examples related to the topic
 - Explanation of the topic for each poster and why anyone should care about the topic

Poster Abstract: A poster is an illustrated abstract. To prepare to assemble your poster, write an extended abstract. You will use this abstract to organize your poster, but you will not include this abstract verbatim on your poster. Your abstract should explain your project simply and succinctly. Use a professional tone, but keep it interesting. Your abstract should entice someone to visit your poster. DO: check your abstract for proper spelling and grammar. DO NOT: use technical jargon and symbols. Your abstract should be 1–2 paragraphs in length and include the following (unlabeled) information.

- Introduction/Rationale – What is the motivation for studying this subject/why is this topic interesting?
- Objectives—What do you set out to explain?
- Methods—What tools from abstract algebra are used?
- Results –What did you learn?
- Conclusions – What is the significance of this result? Interpret your findings. (What is the main take home point?)

AI Usage Statement: This should be reported in accordance to the AI policy in Bb. If you did not use AI, please provide a statement stating so.

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