

# Subpart name and title: System: (A or B)

Name of presenter

# Purpose of presentation

- Presenter:
  - Learn to present mathematically involved concepts and computational results in an easy-to-understand language
  - Think deeply about the concept behind the presented problem
  - Improve presentation skills
- Attendees:
  - Learn how to assimilate ideas from a scientific presentation
  - Learn to ask questions

# Purpose of following slides

- General guidelines on how to organize and present the material
- Some tips on designing an effective presentation
- Suggestions on what to emphasize
- Evaluation criteria
- Note: These are only guidelines. Please fine tune according to your question and presentation style

# Introduction~ ½ minute

- Introduce the system that you are presenting.
- Introduce the sub-part you are presenting
- Try to skip equations, unless much needed. Instead consider using a figure to conceptually describe your system

# Procedure: ~1 minutes

- Thing to keep in mind: This is only ~1 minute. Think about how you would present your material in this much time such that the audience gathers the main points of your work.
- Briefly describe how you solved the problem through pictures and conceptually.
- Remember you can choose five object functions. You can use these to describe your understanding of the concepts.
- Do not present too many details. Can go into detail when someone asks a question.
- Try to minimize equations or derivations.
- Would suggest not to include code. Can include pseudocode if needed

# Results: Object 1: $\sim\frac{1}{2}$ minute

- Show figures and describe your observations

# Results: Object 2: ~1/4 minute

- Show figures and describe your observations

# Results: Object 3: ~ 1/4 minute

- Show figures and describe your observations



# Results: Object 4: ~ 1/4 minute

- Show figures and describe your observations

# Results: Object 5: ~ 1/4 minute

- Show figures and describe your observations

# Discussion on results: ~ 1.5 minute

- Were there any particular results that were very interesting (Note that this part can be presented even as you show the results).
- What are the general implications of these results?
- Discuss the importance of this subpart more generally. For example, think about how this work could be helpful to you or one of your colleagues for the project you are working on

# Concept learned: ~1.5 minute

- Learned about a certain concept (e.g. Reconstruction)
- What is my understanding of this concept
- What did I learn about this concept from this problem

# Question-answer session

- Please complete presentation in ~6 minutes. That will leave ~2 minutes for questions.
- Questioner: Please mention your name before asking the question (For grading purposes)

# Evaluation criteria

- Understanding of problem and procedure to solve problem
- Accuracy, inferences, and discussions of results
- Conceptual understanding of the problem
- Presentation skills and efficacy of slides
- Question-answer session (Both questioner and presenter will be evaluated)

# General suggestions

- The 6-minute presentation time might come across as a constraint but think of it as an opportunity to present the most important things that you want the audience to know.
- Do not speak too fast.
- Try to use pictures (pictures worth a 1000 words cliché)
- Try to minimize new equations, derivations, or code. Following these in a short presentation can be difficult for the audience

Looking forward to your presentation!