

Preparing for Your Project Presentation

E3401 - Electromagnetics

April 23, 2025

Schedule

	Monday May 5th, 2025		
	Time (start)	Team Members	Project Topic
EE Conference Room (Mudd 13th Floor)	10:10:00 AM	Luca	Solar Cells
	10:30:00 AM	Caitlin, Lillian, Carson	Fiber
	10:50:00 AM	Rae, Ryan, Albert	Image Sensors
	11:10:00 AM		
	11:30:00 AM		
	11:50:00 AM		
	12:10:00 PM		
	12:30:00 PM		
	12:50:00 PM		
	1:10:00 PM	Stephen Aymen Chris	Medical Imaging
	1:30:00 PM	Kris, Frank, Cooper	Photonic Computers
	1:50:00 PM	ChangHee, Tahmid, Helen	LiDAR
	2:10:00 PM	Anshul	Optical Metrology
Regular Class Time (Mudd 829)	2:30:00 PM	Serena, William, Molly	Free Space Optics
	2:50:00 PM	Timothy, Jordany, Sunny, and Andromeda	EMI
	3:15:00 PM	Sarah, Rosnel, Racheal	RF Antennas
	3:35:00 PM	Elvin, Rachinta, Nishant	Integrated Photonics

Everyone is expected to be in class during regular class period

Presentation Format & Timing

Group of 3–4 people

- Introduction: 3 minutes total
- Main Presentation: 5 minutes per person
- Q&A: 2 minutes total

Individual (1-person) presentation

- Introduction: 1 minute
- Main Presentation: 5 minutes
- Q&A: 2 minutes

IMPORTANT: Stay within the time limit. Please rehearse. And don't rush.

Build Around a Core Topic

Identify a core technical idea for your presentation

- What are the key things you want your audience to remember?

Start with background or motivation that leads into the core

- Set up the context with real-world relevance or EM fundamentals

Gradually build toward your main results - be technical!

- Each slide should move the audience closer to understanding your core topic

Emphasize if you have simulation results

- Explain the setup, parameters, and the results in terms of EM behavior



What To Do:

- Use clear, **annotated** plots to support your explanation
 - Explain any plots you have in detail
- Walk through only **key equations**
 - If you have an equation, you need to explain it
- Keep text short—speak the technical details, don't write them all down
 - Use figures/animations if possible to explain concept
- Connect your content back to core EM principles we learned in class
 - And go beyond



Avoid

- Overloading slides with dense math
- Skipping physical intuition behind the results
- Emphasize too much on signal processing/circuits aspects

Final Paper Format

- Use **single-spaced** formatting for your report
- You may use **Times New Roman, 10pt font**, or follow IEEE-style formatting
- IEEE templates are available online:
 - You may use them directly or use their font size and spacing as a reference
- There is no required structure for your report
 - Organize it in a way that best explains your topic clearly and logically