ECE 107: Electromagnetism

Instructor: Prof. Vitaliy Lomakin
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Contact Information

Instructor: Prof. Vitaliy Lomakin
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Course webpage: http://cem.ucsd.edu/~vitaliy/courses/ece107/
Textbook & Reference Books

Text Book:


References:

Exams & Homework

• Midterm: Tue, Nov 1, 9:30-10:50am (tentative), EBU 1, 2315
• Final exam: Thu, Dec 8, 8-10:59pm, TBD
• Weekly homework

Basis for grade:

• Homework 15% (7 best counted)
• Project 5%
• Midterm 35%
• Final exam 45%
• TOTAL 100%
About Homework (HW)

• HW assignments are given each Thursday and are due on the following Thursday. 7 best homework assignments are counted for the grade (out of 9 or 10). No late homework will be accepted.

• Write down only relevant equations.
• BOX your final answers.
• Simplify your results as much as possible.
Checklist

• Start studying from the first day!
• Solve all homework assignments
• Attend lectures
• Attend discussion sessions
• Use the office hours
Layout

- Introduction
- Transmission Lines
- Vector analysis
- Maxwell’s equations
- Electrostatics
- Magnetostatics
- Dynamic fields
- Plane wave propagation
- Electromagnetic waves at boundaries
- Radiation