

HUNTER COLLEGE OF CUNY
Department of Physics

Fall 2017

Intermediate Electricity & Magnetism: Physics 334

Lecturer: Distinguished Professor Godfrey Gumbs

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Text: The course will follow David J. Griffiths,

Introduction to Electrodynamics

Third Edition, Prentice Hall)

Lectures: Tuesday & Thursday: 2:10-4:00, PM

First Mid-Term Quiz: Thursday, September 28, 2017 in 1311HN

Second Mid-Term Quiz: Tuesday, October 31, 2017 in 1311HN

End-Term Exam (*Cumulative*): Set by the Registrar some time between December 14 and 20.

Problem Sets: Roughly every other week. Solutions will either be posted or we will discuss the solutions in class.

Tentative Outline

1. Vector Analysis: Chapter 1.
2. Electrostatics: Chapter 2.
3. Special Techniques: Chapter 3.
4. Electric Fields in Matter: Chapter 4.
5. Magnetostatics: Chapter 5.
6. Magnetic Fields in Matter: Chapter 6.
7. Electrodynamics: Chapter 7.

8. Conservation Laws: Chapter 8

9. Electromagnetic Waves: Chapter 9.

Last class is on Tuesday, December 12, 2017. There will be a total of about twenty-seven lectures.

Please note:

- First class: Tuesday, August 29, 2017.
- Thursday September 21: No classes scheduled.
- Tuesday November 21: Classes follow Friday schedule.
- Thursday November 23: College closed - no classes.
- December 14-20 (Thursday-Wednesday): Final Examinations

Grades Computed as Follows

First Midterm:	25	Second Midterm:	25%
Final Exam:	50%		
TOTAL	100%		

OFFICE HOUR: THURSDAY : 1:00-2:00 PM