

**ELECTRODYNAMICS, PHYS 214 / 313**  
**FALL 2022, Course Syllabus**

**Instructor:** Valeri Kotov

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**Lectures:** Tuesdays and Thursdays, 1:15 pm-2:30 pm,  
in LAFAYETTE L406

Office hours: Tuesdays, 3:00-5:00 pm, or by appointment

**Textbook:** “Modern Electrodynamics,”  
by Andrew Zangwill,  
Cambridge Univ. Press, 2012

Additional text: “Introduction to Electrodynamics”, by  
D.J. Griffiths

**Prerequisites:** Phys 213 (Electricity and Magnetism)

**Topics:** This is a graduate / advanced undergraduate course.  
We will start with Chapter 15 of Zangwill (which  
corresponds to Chapter 8 of Griffiths), and move  
forward, i.e. we start from conservation laws,  
and then electromagnetic waves, radiation, and  
relativistic effects.

**Grades:** Grades in this course will be assigned as follows:

- 55% Homework
- 15% Midterm Exam
- 20% Final Exam
- 10% Class Participation