

PHY 301

ELECTROMAGNETISM – Fall 2019

Instructor: Professor Dmitry Garanin

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Course schedule: Lectures Tu & Th 4:0 pm – 4:00 pm at GI-331

Detailed description of this course is available online at:

<http://www.lehman.edu/faculty/dgaranin>

Main textbook: D. Griffiths “*Electrodynamics*”

This course is a single-semester introduction to Electricity & Magnetism. Class participation is an essential component of the course, attendance will be checked.

Course Outcomes/Objectives: Solid qualitative and quantitative understanding of basics concepts of electricity and magnetism at undergraduate level. Building a solid foundation for subsequent graduate course.

Class topics: The first half of the Griffiths book, including electrostatics, magnetostatics, and electromagnetic waves. See detailed program online.

Exams and grading:

There will be two midterm exams and a cumulative final. There will be no makeup exams, except for documented emergency. You will be earning points for the following:

Midterm exams: 15 + 15 = 30 (max)

Final exam: 20 (max)

Total: 50 (max).

There will be no dropping lowest grades and “curving”. At the end the points will be converted into grades A, B, C, etc.