PHY 6600 Syllabus Fall 2017

TEXT: **INTRODUCTION TO ELECTRODYNAMICS** by David J. Griffiths, 4th edition. ISBN 13: 978-0321856562, ISBN 10: 0321856562 .

LECTURE: M W F 11:30 – 12:30 p.m.

LOCATION: 177 Physics

LECTURER: GIOVANNI BONVICINI

OFFICE: 335 Physics Research Bldg. (666 W. Hancock)

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OFFICE HOURS: one hour right before class and one hour right after class (MW 10:40-11:30, MW 12:30-1:30).

HOMEWORK: One per Chapter, given at the end of each Chapter. The course covers the first six chapters of the book.

PERFORMANCE EVALUATION:

2 partial exams :	40%
Final exam:	40%
Homework :	20%

All exams are open book.The partial exams dates are preliminarly set on October 16 (Monday) and November 20 (Monday), covering respectively Chapter 1 and 2 and Chapters 3 and 4. These will be four problems (or five for graduate students) sets. I will try to give you a two hour window.
The final exam is on Monday December 18 at 10:15 (note time!). This will be a six (or seven) problems set. I will try to give you a four hours window to complete the exam.

FINAL GRADES:

A	>= 90 %
A-	85 - 89
B+	80 - 84
B	75 - 79
B-	70 - 74
C+	65 - 69
C	60 - 64
C-	55 - 59
D+	50 - 54
D	45 - 49
D-	40 - 44
F	< 40

Learning Outcomes

After completing this class, you are expected to ...

- Understand and apply vector calculus
- Understand electrostatics in vacuum
- Be able to find solutions to electrostatics problems by separation of variables and infinite series
- Understand magnetostatics
- Understand magnetostatics and electrostatics in dense media