PHYSICS 4211 - ELECTRICITY & MAGNETISM II – FS19

Instructor: Jerry Peacher

109 Physics

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Office Hours: TTh 2:00 - 4:00 pm

Generally available at other times or by appointment

Class meets at 10:00 am, MWF, in room 127 of Physics.

Text: INTRODUCTION TO ELECTRODYNAMICS, FOURTH EDITION,

by David J. Griffiths, published by PEARSON.

Course outline: Ch 6 Magnetic Fields in Matter

Ch 7 Electrodynamics

Ch 8 Conservation Laws

Ch 9 Electromagnetic Waves

Ch 10 Potentials and Fields

Ch 11 Radiation

Ch 12 Electrodynamics and Relativity

Course points: Quizzes 100 points

Test 1 100 points Monday, Sept. 30, 2019, Rm 129

Test 2 100 points Monday, Nov. 11, 2019, Rm 129

Final 100 points Wednesday, Dec. 11, 2019 (10:00 – 12:00 noon)

Homework 100 points

Total 500 points

Grades: A(450 - 500), B(400 - 450), C(350 - 400), D(300 - 350), F(<300)

Homework is an important part of this course. It will allow you to test yourself to see how well you have absorbed the material. Keeping up with the homework should help you to keep up with the course and do better on the exams. Homework is due by 5:00 p.m. of the due day indicated in the syllabus. Late homework will be penalized at the rate of 10% per day. No homework will be accepted after it is returned to the class.

This course is offered by the Missouri University of Science & Technology Physics Department,

Chaired by Dr. Thomas Vojta (vojtat@mst.edu), 102 Physics, Phone: 341 – 4781,

under the auspices of the College of Arts, Sciences, and Business (CASB).

Some class material is on the MS&T web under A-Z Index/P/ Physics/ Class information/ Undergraduate/ Physics 321/ Syllabus and old tests.