PHYSICS 4211 - ELECTRICITY & MAGNETISM II – FS2022

Instructor: Jerry Peacher

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Office Hours: MWF 1:00 – 2:00 pm. You can also use e-mail to contact me.

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

Text: INTRODUCTION TO ELECTRODYNAMICS, FOURTH EDITION, by David J. Griffiths, published by PEARSON.

Course outline:  
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:  
Test 1  100 points  Monday, Sept. 26, 2022  
Test 2  100 points  Monday, Nov. 7, 2022  
Final  100 points  Scheduled Friday, Dec. 16, 2022 (3:00–5:00 pm)  
Quizzes  100 points  
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 may 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 Education (CASE).

Some class material is on the MS&T website under A-Z Index/P/ Physics/ Class information/ Undergraduate/ Physics 4211/ Syllabus and old tests.