

PHYSICS 2401- THEORETICAL PHYSICS – SP20

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Office Hours: MTW 4:00 - 4:30 p.m. Generally available at other times or by appointment.

Text: MATHEMATICAL METHODS IN THE PHYSICAL SCIENCES, THIRD EDITION,  
by Mary L. Boas, published by John Wiley & Sons

Course outline:	Ch. 1	Power series	Ch. 9	Calculus of Variations
	Ch. 2	Complex numbers	Ch. 12	Legendre polynomials
	Ch. 7	Fourier series and Transforms	Ch. 15	Probability
	Ch. 4	Leibniz' rule	Ch. 13	Schrodinger Equation

Course points:	Test 1	100 points
	Test 2	100 points
	Final	100 points
	Quizzes	100 points
	<u>Homework</u>	<u>100 points</u>
	Total	500 points

Grades: A(90%), B(80%), C(70%), D(60%), F(< 60%)

Test Schedule:	Test 1	Friday, March 6, 2020
	Test 2	Friday, April 17, 2020
	Final	Monday, May 11, 2020 from 12:30 pm to 2:30 pm

Homework is an important part of this course. It will allow you to test yourself to see how well you have mastered the material. Keeping up with the homework should help you to keep up with the course and do better on the quizzes and exams. Homework is due no later than noon on the day following the due date. Late homework will be penalized at the rate of 10% per scheduled class day late. No homework will be accepted after the graded homework is returned to the class.

This course is offered by the Missouri S&T Physics Department,  
Chaired by Dr. Thomas Vojta (vojtat@mst.edu), 102 Physics, Phone: 341 - 4781

This material and old tests are on the Physics Department web in undergraduate courses.