

For approval of new courses and deletions or modifications to an existing course.

registrar.gmu.edu/facultystaff/curriculum

Action Requested: Create new course Delete exists Modify existing course (check all that apply) Title Credits Prereq/coreq Schedule Type Other:	Sting course	Grade Type	Course Lev x Undergr Graduat	raduate	
College/School:  COS    Submitted by:  Phil Rubin    Subject Code:  PHYS  Number:	305	Department: Ext: <u>3815</u> Effective Term:	SPACS <b>Email</b> :	prubin@gmu.edu	
(Do not list multiple codes or numbers. Each course prop have a separate form.)				/ea r 2014	
Title:  Current  Electromagnetic Theory    Banner (30 characters max including spaces)  Electromagnetic Theory    New					
Credits:  x  Fixed  3  or  Repeat Status:  x  Not Repeatable (NR)    (check one)  Variable  to  (check one)  Repeatable within degree (RD)  Maximum credits      Repeatable within term (RT)  allowed:					
Grade Mode: (check one) x Regular (A, B, C, etc.) Satisfactory/No Credit Special (A, B C, etc. +IP)	Schedule Type Code(s (check all that apply)	x Lecture (LE Lab (LAB) Recitation Internship	(RCT) Semir	endent Study (IND) nar (SEM) o (STU)	
Prerequisite(s): PHYS 262 and MATH 214 or permission of instructor.	Corequisite(s): PHYS 301 or MA	TH 313 or MATH 4	13 x 100	uctional Mode: 0% face-to-face brid: ≤ 50% electronically delivered 0% electronically delivered	
Special Instructions: (list restrictions for major, college, or degree; hard-coding; etc.)  Are there equivalent course(s)?    Yes  No    If yes, please list  If yes, please list					
Catalog Copy for NEW Courses Only (Consult University Catalog for models)					
Description (No more than 60 words, use verb phrases and present tense)  Notes (List additional information for the course)					
Indicate number of contact hours:    Hours      When Offered: (check all that apply)    X    Fall	s of Lecture or Semir	nar per week: 3 Spring	Hours of La	b or Studio: 0	
Approval Signatures					
Department Approval  Date  College/School Approval  Date    If this course includes subject matter currently dealt with by any other units, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.  Date					
Unit Name Unit Appre		Unit Approver's		Date	

Graduate Council Member	Provost Office	Graduate Council Approval Date

For Registrar Office's Use Only: Banner\_\_\_\_\_Catalog\_\_\_\_\_revised 2/2/10 Course Proposal Submitted to the Curriculum Committee of the College of Science

**COURSE NUMBER AND TITLE:** PHYS 305: Electromagnetic Theory

**OLD COURSE PREREQUISITES:** PHYS 260

**OLD COURSE COREQUISITES:** MATH 214

**NEW COURSE PREREQUISITES:** PHYS 262 and MATH 214 or permission of instructor

**NEW COURSE COREQUISITES:** PHYS 301 or MATH 313 or MATH 413

**MODIFICATION JUSTIFICATION:** It is clear many students are not fully prepared for the material of this courses. Changing the prerequisites raises the level of physics and mathematics background heading into the course. The corequisite aims to continue raising student skill level—often in the context of its employment— and to improve outcomes and learning.