

Course Approval Form

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

registrar.gmu.edu/facultystaff/curriculum

Action Requested:			Course Level:		
Create new course	elete existing course	x Undergraduate			
x Modify existing course (check all t	hat apply)	Graduate			
Title x Credits	Repeat Status	Grade Type	<u> </u>		
Prereq/coreq Schedule					
x Other: Catalog description, h	ours				
College/School: COS		Department: SPA			
Submitted by: P. Rubin		Ext: 3815	Email: prubin@gmu.edu		
Subject Code: PHYS Nu (Do not list multiple codes or numbers. Each have a separate form.) Title: Current Banner (30 characters max inclu	course proposal must		Fall Spring Year 2013 Summer		
New New	ang spasso,				
11011					
Credits: X Fixed 2 or Variable to Grade Mode: X Regular (A, B, C, or Variable to		x Not Repeatable (NF Repeatable within to Repeatable within to Lecture (LEC)	legree (RD) Maximum credits erm (RT) allowed: Independent Study (IND)		
(check one) Satisfactory/No Cr	.) po couc(o)		Seminar (SEM)		
Special (A, B C, e	tc. +IP) (check all that apply)	Recitation (RCT)	Studio (STU)		
	арріу)	Internship (INT)			
Drogogujojto/o):	Coroguiaita(a):		Instructional Made		
Prerequisite(s):	Corequisite(s):		Instructional Mode: x 100% face-to-face		
			Hybrid: ≤ 50% electronically delivered		
			100% electronically delivered		
			100% decironically delivered		
Special Instructions: (list restrictions	s for major, college, or degree:	ard-coding: etc.)	Are there equivalent course(s)?		
Opecial instructions. (list restrictions	To major, conege, or degree, no	ard-coding, etc.)	Yes x No		
			If yes, please list		
Catalog Copy for NEW Cou	rses Only (Consult Univer	sity Catalog for models)			
Description (No more than 60 words, us	<u> </u>		onal information for the course)		
Description (No more than 60 words, de	e verb prinases and present ten	oc) Notes (List addition	sharifformation for the course)		
Indicate number of contact hours:	Hours of Lecture or Semi		Hours of Lab or Studio:		
When Offered: (check all that apply)	Fall Summer	Spring			
Approval Signatures					
Department Approval	Date	College/School Appro	val Date		
If this course includes subject matter	currently dealt with by any of	her units, the originating	department must circulate this proposal for review by		
those units and obtain the necessary sig					
	Init Approval Name	Unit Approver's Sig			
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			<u> </u>		
For Graduate Courses Only					
Graduate Council Member	Provost Office		Graduate Council Approval Date		

For Registrar Office's Use Only:	Banner	Catalog	revised 2/2/10
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Course Proposal Submitted to the Curriculum Committee of the College of Science

1. COURSE NUMBER AND TITLE: PHYS 124: Experimental Explorations in Physics

New Catalog Description: Credits: 2 (NR)

A non-mathematical course intended primarily for physics majors. Experimental studies of phenomena in mechanics, electricity and magnetism, heat, and optics, emphasizing conceptual understanding of fundamental notions in classical physics.

Hours of Lecture or Seminar per week: 1 Hours of Lab or Studio per week: 2

Old Catalog Description: Credits: 1 (NR)

Introductory nonmathematical course intended primarily for physics majors. Experimental studies of phenomena in mechanics, electricity and magnetism, and optics. Stresses development of familiarity with methods and techniques of measurement and with data evaluation.

Hours of Lecture or Seminar per week: 1-6 Hours of Lab or Studio per week: 2

JUSTIFICATIONS:

- 1. The course, originally a half-semester offering, will now be a full-semester offering (hence, the change from 1 credit to 2 credits).
- 2. For completeness, "heat" should be listed among the topics covered.
- 3. The course has been slightly redesigned to emphasize conceptual, but empirical, understanding of basic physics, rather than experimental techniques and data analysis, which, after all, are quantitative in nature.