# **Course Change Request**

Date Submitted: 04/18	/19 11:23 am					
Viewing: PHYS	In Workflow					
Last approved: 04/	1. PHYS UG					
Last edit: 04/19/19	2. PHYS Chair					
Changes proposed by:	3. SC Curriculum					
Catalog Pages referencing this course Programs	Department of Physics and Astronomy Physics (PHYS) RNRG: Renewable Energy Interdisciplinary Mino	Committee 4. SC Associate Dean 5. Assoc Provost- Undergraduate 6. Registrar-Courses 7. Banner				
Select modification t	Approval Path					
Substantial				1. 05/15/19 1:03 pm Philip Rubin		
Are you completing t	(prubin): Approved for PHYS UG					
No				2. 05/15/19 4:39 pm		
Effective Term:	Fall 2019			Paul So (paso):		
Subject Code:	PHYS - Physics	Course Number:	332	Approved for PHYS		
<b>Bundled Courses:</b>				Chair		
Is this course replacir	ng another course? No			History		
Equivalent Courses:				<ol> <li>Aug 25, 2017 by pchampan</li> </ol>		
Catalog Title:	Solar Cells			2. Apr 2, 2019 by		
Banner Title:	Solar Cells			(gcraft)		
Will section titles vary by semester?	No					
Credits:	3					
Schedule Type:	Lecture					
Hours of Lecture or S week:	eminar per 3					
Repeatable:	May be only taken once for credit, limited to 3 attempts (N3)	Max Allowable Credits:	9			
Default Grade Mode:	Undergraduate Regular					
Recommended Prerequisite(s):						
Recommended Corequisite(s):						
Required Prerequisite(s) /	Required prerequisites:((PHYS PHYS-260 or PHYS 270), and PHYS 261), or (PHYS 245 and PHYS 246). 261.					

https://workingcatalog.gmu.edu/courseleaf/courseleaf.cgi?page=/courseadmin/12529/index... 7/15/2019

#### Corequisite(s) (Updates only):

#### Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
	(	PHYS 260	С	UG		
And		PHYS 261	С	UG	)	
Or	(	PHYS 245	С	UG		
And		PHYS 246	С	UG	)	

#### Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study: Class(es): Level(s): Degree(s): School(s): Catalog Covers the physics of solar cells, basics of semiconductors, pn junctions, basic structure of solar cells, the Description: latest advances in solar cell materials, and concepts for improving the efficiency of solar cells. Solar cell design based on silicon, copper indium gallium selenide, gallium arsenide, organic solar cells, dye-sensitized solar cells, quantum dots, and nanowires will also be reviewed. Justification: PHYS 260 and 270 are equivalent. Does this course cover material which No crosses into another department? Learning Outcomes: **Attach Syllabus** Additional Attachments **Specialized Course** Mason Impact **Categories:** 

## **Application for Mason Impact**

Select the requested Research/Scholarship designation:

Scholarly Inquiry (RI)

### Scholarly Inquiry (RI)

Select any additional SaS learning outcomes which the course meets:

Appropriately analyze scholarly evidence Choose an appropriate research method for scholarly inquiry Distinguish between personal beliefs and evidence Explain how knowledge is situated and shared in relevant scholarly contexts Explain how scholarly inquiry has value to society Gather and evaluate evidence appropriate to the inquiry Take responsibility for creating and executing an original scholarly or creative project

 Attach Curriculum
 The designation for the course was previously approved.pdf

 Map
 The designation for the course was previously approved.pdf

Additional Comments:

Reviewer Comments

Key: 12529