

## Revision for PHYS 434

Proposal Reference : 10020  
 Number  
 PRN Alias : 14-15#1243  
 Version No : 3  
 Submitted By : Dr Guy Moore  
 Edited By : Sandra Maria Persaud

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Summary of Changes **Course Description**

	Current Data	New Data				
Program Affected?		N				
Program Change Form Submitted?						
Subject/Course/Term	PHYS 434 <ul style="list-style-type: none"> <li>one term</li> </ul>					
Credit Weight or CEU's	3 credits.					
Course Activities	<ul style="list-style-type: none"> <li>A - Lecture</li> </ul>					
Course Title	<table border="1"> <tr> <td>Course Title on Transcript</td> <td>Optics</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Optics.</td> </tr> </table>	Course Title on Transcript	Optics	Course Title on Calendar	Optics.	
Course Title on Transcript	Optics					
Course Title on Calendar	Optics.					
Rationale		The current course description does not describe the modern content of the course.				
Responsible Instructor						
Course Description	Geometrical optics, wave optics, lasers, Fourier transform spectroscopy, holography, optical data processing, stellar interferometry.	<b>Fundamental concepts of optics, including applications and modern developments. Light propagation in media; geometric optics and optical instruments; polarization and coherence properties of light; interference and interferometry; diffraction theory and applications in spectrometry and imaging; Fourier optics; selected special topics such as holography, lasers, beam optics, photonic crystals, advanced spectroscopy, stellar interferometry, quantum optics.</b>				
Teaching Dept.	0293 : Physics					
Administering Faculty/Unit	SC : Faculty of Science					
Prerequisites	Prerequisite: PHYS 342 or PHYS 352, or permission of the instructor					

Corequisites		
Restrictions		
Supplementary Calendar Info	1. Winter 2. 3 hours lectures	
Additional Course Charges		
Campus		
Projected Enrollment		
Requires Resources Not Currently Available		
Explanation for Required Resources		
Consultation Reports Attached?		
Effective Term of Implementation		201601
File Attachments		No attachments have been saved yet.
To be completed by the Faculty		
For Continuing Studies Use		

## Approvals Summary

### Show all comments

Version No.	Departmental Curriculum Committee	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status
3								Submitted to Curriculum/Academic Committee for approval Edited by: Sandra Maria Persaud on: Oct 22 2015
2								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Sep 21 2015
1								Submitted to

								Curriculum/Academic Committee for approval Created on: Apr 21 2015
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