

Course Number Change for PHYS 436

Proposal Reference Number : 9091
 PRN Alias : 14-15#314
 Version No : 4
 Submitted By : Dr Guy Moore
 Edited By : Ms Josie D'Amico

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Summary of Changes **Subject/Course/Term, Course Title, Restrictions**

	Current Data	New Data								
Program Affected?		Y								
Program Change Form Submitted?		N (Simple Change) - The following programs must be updated to reflect the new course number: B.Sc. Major in Physics in the list of U3 Required Courses (15 credits); B.Sc. - Liberal - Core Science Component in Physics in list of Required Courses (39 credits); and B.Ed. - Secondary Science & Technology in list of Complementary Courses under The Material World.								
Subject/Course/Term	PHYS 436 <ul style="list-style-type: none"> one term 	PHYS 447 <ul style="list-style-type: none"> one term 								
Credit Weight or CEU's	3 credits.	3 credits								
Course Activities	<ul style="list-style-type: none"> A - Lecture 	<table border="1"> <thead> <tr> <th>Schedule Type</th> <th>Hours Per Week</th> </tr> </thead> <tbody> <tr> <td>A - Lecture</td> <td>3</td> </tr> </tbody> </table> Total Hours per Week : 3 Total Number of Weeks : 13	Schedule Type	Hours Per Week	A - Lecture	3				
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Course Title	<table border="1"> <tbody> <tr> <td>Course Title on Transcript</td> <td>Modern Physics</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Modern Physics.</td> </tr> </tbody> </table>	Course Title on Transcript	Modern Physics	Course Title on Calendar	Modern Physics.	<table border="1"> <tbody> <tr> <td>Course Title on Transcript</td> <td>Applications of Quantum Mech.</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Applications of Quantum Mechanics</td> </tr> </tbody> </table>	Course Title on Transcript	Applications of Quantum Mech.	Course Title on Calendar	Applications of Quantum Mechanics
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Rationale		The subject of the course is more accurately described as "Applications of Quantum Mechanics" than by the old title -- which in any case is to similar to the title of PHYS 260 "Modern Physics and Relativity" (a very different course). The course has PHYS 446 "Majors Quantum Mechanics" as a prerequisite; so it makes more sense for it to have a course number larger than the course number of its pre-requisite.								
Responsible Instructor		Jack Sankey								

Course Description	One electron atoms, radiation, multielectron atoms, molecular bonds. Selected topics from condensed matter, nuclear and elementary particle physics.	One electron atoms, radiation, multielectron atoms, molecular bonds. Selected topics from condensed matter, nuclear and elementary particle physics.
Teaching Dept.	0293 : Physics	0293 : Physics
Administering Faculty/Unit	SC : Faculty of Science	SC : Faculty of Science
Prerequisites	Prerequisite: PHYS 446	Prerequisite: PHYS 446 <input type="text" value="Web Registration Blocked? : N"/>
Corequisites		
Restrictions	<ul style="list-style-type: none"> Restriction: Not open to students in Honours Physics or in Joint Honours in Mathematics and Physics 	1. Not open to students who are taking or have taken PHYS 436. 2. Not open to students in Honours Physics or in Joint Honours in Mathematics and Physics
Supplementary Calendar Info	<ol style="list-style-type: none"> Winter 3 hours lectures 	<ol style="list-style-type: none"> Winter 3 hours lectures
Additional Course Charges		
Campus		Downtown
Projected Enrollment		
Requires Resources Not Currently Available		N
Explanation for Required Resources		
Consultation Reports Attached?		
Effective Term of Implementation		201501
File Attachments		No attachments have been saved yet.
To be completed by the Faculty		
For Continuing Studies Use		

Approvals Summary

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Version No.	Departmental Curriculum	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status
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	Committee							
4								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Oct 23 2014
3								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Oct 23 2014
2								Submitted to Curriculum/Academic Committee for approval Edited by: Josie D'Amico on: Oct 23 2014
1								Submitted to Curriculum/Academic Committee for approval Created on: Sep 24 2014