

Course Number Change for PHYS 451

Proposal Reference Number : 1569
 PRN Alias : 09-10#522
 Version No : 1
 Submitted By : Dr Guy Moore

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

	Current Data	New Data								
Program Affected?		N								
Program Change Form Submitted?										
Subject/Course/Term	PHYS 451 <ul style="list-style-type: none"> one term 	PHYS 351 <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>Honours Classical Mechanics 2</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Honours Classical Mechanics 2.</td> </tr> </tbody> </table>	Course Title on Transcript	Honours Classical Mechanics 2	Course Title on Calendar	Honours Classical Mechanics 2.	<table border="1"> <tbody> <tr> <td>Course Title on Transcript</td> <td>Honours Classical Mechanics 2</td> </tr> <tr> <td>Course Title on Calendar</td> <td>Honours Classical Mechanics 2.</td> </tr> </tbody> </table>	Course Title on Transcript	Honours Classical Mechanics 2	Course Title on Calendar	Honours Classical Mechanics 2.
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Rationale		This honors course is the honors equivalent to the Majors course Phys 331 (Topics in Classical Mechanics), and it generally appears as a U2 required course. The prerequisites are 200-level. Therefore it is more appropriate that the course be made 300-level.								
Responsible Instructor										
Course Description	Rigid bodies, angular momentum, gyroscope, moment of inertia, principal axes, Euler's equations. Coupled oscillations and normal modes. Lagrangian mechanics and applications. Hamiltonian mechanics. Topics in advanced analytical mechanics.	Rigid bodies, angular momentum, gyroscope, moment of inertia, principal axes, Euler's equations. Coupled oscillations and normal modes. Lagrangian mechanics and applications. Hamiltonian mechanics. Topics in advanced analytical mechanics.								
Teaching Dept.	0293 : Physics	0293 : Physics								
Administering Faculty/Unit	SC : Faculty of Science	SC : Faculty of Science								
Prerequisites	Prerequisite: PHYS 251.	Prerequisite: PHYS 251.								

		Web Registration Blocked? : <input type="checkbox"/> N
Corequisites		
Restrictions	<ul style="list-style-type: none"> • Restriction: Honours students, or permission of instructor • Restriction: Not open to students having taken PHYS 331 	Not open to students who have taken PHYS 451.
Supplementary Calendar Info	<ol style="list-style-type: none"> 1. Winter 2. 3 hours lectures 	<ol style="list-style-type: none"> 1. Winter 2. 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		201009
File Attachments		No attachments have been saved yet.
To be completed by the Faculty		
For Continuing Education Use		

Approvals Summary

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Version No.	Departmental Curriculum Committee	Departmental Meeting	Departmental Chair	Other Faculty	Curric/Academic Committee	Faculty	SCTP	Version Status
1			Approved Charles Gale Meeting Date: Apr 21 2010 Approval Date: Apr 22 2010 View Comments					Approved by Departmental Chair Created on: Jan 20 2010