

# Revision for PHYS 340

Proposal Reference Number : 1893  
 PRN Alias : 09-10#846  
 Version No : 2  
 Submitted By : Dr Guy Moore  
 Edited By : Ms Josie D'Amico

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Summary of Changes **Course Description, Prerequisites, Corequisites**

	Current Data	New Data
Program Affected?		N
Program Change Form Submitted?		
Subject/Course/Term	PHYS 340 z one term	
Credit Weight or CEU's	3 credits.	
Course Activities	z A - Lecture	

Course Title	Course Title on Transcript	Majors Electricity & Magnetism
	Course Title on Calendar	Majors Electricity and Magnetism.

**Rationale** Adjustment of required mathematics pre/corequisites to more closely reflect what is needed in the course. Also, a minor fine-tuning of the course description to eliminate an incoherent reference.

**Responsible Instructor**

**Course Description** The electrostatic field and scalar potential. Dielectric properties of matter. Energy in the electrostatic field. Methods for solving problems in electrostatics. The magnetic field. Induction and inductance. Energy in the magnetic field. Magnetic properties of matter. Maxwell's equations. A vector treatment. **The electrostatic field and scalar potential. Dielectric properties of matter. Energy in the electrostatic field. Methods for solving problems in electrostatics. The magnetic field. Induction and inductance. Energy in the magnetic field. Magnetic properties of matter. Maxwell's equations. The dipole approximation.**

**Teaching Dept.** 0293 : Physics  
**Administering Faculty/Unit** SC : Faculty of Science

**Prerequisites** Prerequisites: CEGEP physics or PHYS 142, MATH 222, MATH 223. **Prerequisites: CEGEP physics or PHYS 142, MATH 222.**

[Web Registration Blocked](#)

Corequisites		Corequisite: MATH 314 Web Registration Blocked
Restrictions	z Restriction: Not open to students who have passed PHYS 242 or PHYS 350.	
Supplementary Calendar Info	1. Fall 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		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
2								Approved by Departmental Chair Edited by: Josie D'Amico on: Apr 28 2010
1			Approved Charles Gale Meeting Date: Apr 21 2010 Approval Date: Apr 22 2010					Approved by Departmental Chair Created on: Apr 21 2010

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