

UGC Change in Existing Course: **PHYS 407 Electromagnetic Theory**

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Proposed Effective Date: 8/25/2010

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COURSE INFORMATION:

change		current	proposed
<input type="checkbox"/>	course number(s)	PHYS 407	
<input type="checkbox"/>	formal title	Electromagnetic Theory	
<input type="checkbox"/>	transcript title ($\leq 24c$)	Electromagnetic Theory	
XXX <input type="checkbox"/>	prerequisite	PHYS224, MATH 225	PHYS224, MATH 251, MATH 225
<input type="checkbox"/>	credits	3	
<input type="checkbox"/>	max. repeat credits	0	
<input type="checkbox"/>	grading method(s)	XX <input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail	<input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail

CURRENT CATALOG DESCRIPTION:

Vector analysis, electrostatics, dielectric media, electric currents, magnetic fields, electromagnetic induction and magnetic properties of matter.

PROPOSED CATALOG DESCRIPTION: xx no changes change in description

RATIONALE FOR CHANGE:

Multi-variable calculus (MATH 251) is, and always has been, essential for mastery of PHYS407. We surmise that in the distant past, MATH 225 had MATH 251 as a pre-requisite, but that this pre-requisite was changed to "Strongly Recommended" without our noticing it.