Course Change Request

Date Submitted: 04/18/19 11:44 am

Viewing: PHYS 440 : Nuclear and Particle Physics

Last approved: 02/22/19 4:30 am

Last edit: 04/28/19 7:14 pm

Changes proposed by: prubin

Catalog Pages referencing this course	Department of Physics and Astronomy Physics (PHYS)
Programs referencing this	SC-BS-PHYS: Physics, BS

Select modification type:

~~Simple~~

Substantial

Are you completing this form on someone else's behalf?

No

Effective Term:	Spring 2020		
Subject Code:	PHYS - Physics	**Course Number:**	440
Bundled Courses:			
Is this course replacing another course?	No		
Equivalent Courses:	PHYS 540 - Nuclear and Particle Physics		
Catalog Title:	Nuclear and Particle Physics		
Banner Title:	Nuclear and Particle Physics		
Will section titles vary by semester?	No		
Credits:	3		
Schedule Type:	Lecture w/Lab		
Hours of Lecture or Seminar per week:	2		
Hours of Lab or Studio per week:	3		
Repeatable:	May be only taken once for credit, limited to 3 attempts (N3)	**Max Allowable Credits:**	9
Default Grade Mode:	Undergraduate Regular		
Recommended Prerequisite(s):			
Recommended Corequisite(s):			

In Workflow

1. **PHYS UG Committee**
2. **PHYS Chair**
3. **SC Curriculum Committee**
4. SC Associate Dean
5. Assoc Provost-Undergraduate
6. Registrar-Courses
7. Banner

Approval Path

1. 05/15/19 1:04 pm Philip Rubin (prubin): Approved for PHYS UG Committee
2. 05/15/19 4:41 pm Paul So (paso): Approved for PHYS Chair

History

1. Feb 22, 2019 by Gregory Craft (gcraft)

Required Prerequisite(s) / Corequisite(s) (Updates only): **(PHYS 402 or PHYS 502) and PHYS 428***

*** co-requisite**

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
		PHYS 402	C	UG		
Or		PHYS 502	B-	GR		

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Level(s):

Degree(s):

School(s):

Catalog Description: Accelerators, detectors and related electronics; nuclear and elementary particle structure; symmetries and conservation laws; the electromagnetic, weak, and hadronic interactions; nuclear models; the quark model; and nuclear science and technology.

Justification: Special relativity is an essential component of particle and nuclear physics theory.

Does this course cover material which crosses into another department? No

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments

Key: 12562