## **Course Change Request**

Date Submitted: 02/28/18 9:13 am

# Viewing: PHYS 410 : Computational Physics

# Capstone |

### Last edit: 03/01/18 9:43 am

Changes proposed by: prubin

Catalog Pages referencing this course Department of Physics and Astronomy Physics (PHYS)

Select modification type:

### In Workflow

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

### **Approval Path**

- 02/28/18 10:33 am Tory Sarro (vsarro): Approved for Registrar-Courses:Title Change
- 03/12/18 10:44 am Philip Rubin (prubin): Approved for PHYS UG Committee
- 03/12/18 12:09 pm Paul So (paso): Approved for PHYS Chair

Substantial

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

Νο					
Effective Term:	Fall 2018				
Subject Code:	PHYS - Physics	Course Number: 410			
Bundled Courses:					
Equivalent Courses:	PHYS 510 - Computational Physics I				
Catalog Title:	Computational Physics Capstone +				
Banner Title:	Computational Physics Capstone				
Will section titles vary by semester?	No				
Credits:	43				
Schedule Type:	Lecture w/Lab				
Hours of Lecture or Se week:	eminar per <u>1</u>				
Hours of Lab or Studio	per week: 3				
Repeatable:	May only be taken once for credit (NR)				
Default Grade Mode:	Undergraduate Regular				
Recommended Prerequisite(s):					
Recommended Corequisite(s):					
Required Prerequisite(s) / Corequisite(s) (Updates only):					

#### PHYS 251, PHYS 265, PHYS 303, PHYS 305

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

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
		PHYS 303	С	UG		

And		PHYS 305	С	UG		
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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:

Study and development leading to computer simulations of various physical systems. Applications Requires the study and development of computational techniques and numerical algorithms to simulate, visualize, and solve numerically problems from a variety obtain both numerical results and visualization of physical systems. these results. Offered by Physics & Astronomy. May not be repeated for credit. Application to individual physical processes taking place in a variety of physical streams.

Justification:

PHYS 410 is being separated from PHYS 510 and modestly modified to prepare for its conversion (with further necessary modifications) to a writing-intensive and capstone course for the Computational Physics concentration in the Physics BS.

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

Learning Outcomes:

Attach Syllabus (PDFs only)

Additional Attachments (PDFs only)

Specialized Course Categories:

Additional Comments:			
Reviewer Comments			

Key: 12554