Course Change Request

Date Submitted: 10/03/20 11:05 pm

Viewing: PHYS 510 : Computational Physics I

Last approved: 04/02/19 4:28 am

Last edit: 10/19/20 8:56 am

Changes proposed by: prubin

Catalog Pages referencing this course

Chemistry (CHEM)

Department of Chemistry and Biochemistry

Select modification type:

Substantial

In Workflow

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

Approval Path

1. 10/04/20 11:18 am Ernest Barreto (ebarreto): Approved for PHYS GR Committee
2. 10/04/20 11:45 am Paul So (paso): Approved for PHYS Chair

History

1. Apr 2, 2019 by Philip Rubin (prubin)

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

No

Effective Term: Spring 2021

Subject Code:

PHYS - Physics **Course Number:** 510

Bundled Courses:

Is this course replacing another course? **No**

Equivalent Courses:

Catalog Title: Computational Physics I

Banner Title: Computational Physics I

Will section titles vary by semester? No

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

Repeatable: May only be taken once for credit (NR)
GRADUATE ONLY

Default Grade Mode: Graduate Regular

Recommended Prerequisite(s):
None

Recommended Corequisite(s):
None

Required Prerequisite(s) / Corequisite(s) (Updates only):
None

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

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
		PHYS 303	C	UG		
And		PHYS 305	C	UG		

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Include

Limited to students with a class of Senior Plus. (SCRRCLS_ONLY_SP)

Limited to students with a class of Non Degree (SCRRCLS_ONLY_ND)

Limited to students with a class of Advanced to Candidacy. (SCRRCLS_ONLY_DC)

Limited to students with a class of Graduate. (SCRRCLS_ONLY_GR)

Level(s):

Include

Enrollment limited to students with a level of Non-Degree (SCRRLVL_ONLY_ND)

Limited to undergraduate level students. (SCRRLVL_ONLY_UG)

Limited to graduate level students only. (SCRRLVL_ONLY_GR)

Degree(s):

Exclude

Non-Degree Undergraduate Degree students may not enroll. (SCRRDEG_NO_NDU)

School(s):

Catalog Description:

Study and development leading to computer simulations of various physical systems. Requires the study and development of computational techniques and numerical algorithms to obtain both numerical results and visualization of these results. Application to individual physical processes taking place in a variety of physical systems.

Justification:

We are removing prerequisites. Undergraduate requisites are artifacts of the time when this courses was cross-level listed with PHYS 410. This is no longer the case. Standard graduate course restrictions are adequate.

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Specialized Course Categories:

Additional Comments:

updated justification per Phillip Rubin's email

Reviewer Comments

Key: 12571