Course Change Request

A deleted record may not be edited and the course number may not be re-used until 5 years have passed since the course's inactivation.

Course Deactivation Proposal

Date Submitted: 11/08/22 11:19 am

Viewing: **CDS 487 : Electronic Structure Computations**

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

Last edit: 11/08/22 11:19 am

Changes proposed by: blaisten

Catalog Pages referencing this course

Computational and Data Sciences (CDS)

Department of Computational and Data Sciences

Justification for deactivation

The course has not been taught for more than five years and there are no plans to reactivate it in the curriculum. In fact, the course is already part of the COS list of zombie courses.

In Workflow

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

Approval Path

1. 12/31/22 3:29 pm Jason Kinser (jkinser): Approved for CDS Chair

History

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

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

~~No~~

Effective Term: Spring 2023

Subject Code: CDS - Computational and Data Sciences **Course Number:** 487

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Electronic Structure Computations

Banner Title: Electronic Structre Computatns

Will section titles vary by semester? No

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar 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):
PHYS 308 or PHYS 402.

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):

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

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?

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:

Covers computational aspects of materials science, such as first-principles methods of electronic structure calculations of periodic solids, clusters, and molecules, as well as the use of empirical potentials. Examples will be drawn from metals, insulators, and semiconductors. Students will construct simple codes and be guided in the use of the more sophisticated available computational packages.

Justification:

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Additional Comments:

Reviewer Comments

Key: 1927