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: 12/31/22 12:11 pm

Viewing: **CSI 885 : Atomistic Modeling of Materials**

Last edit: 12/31/22 12:11 pm

Changes proposed by: blaisten

Catalog Pages referencing this course

[Computational Science and Informatics (CSI)](#)

[Department of Computational and Data Sciences](#)

Justification for deactivation

Course has not been taught in many years. It is already in the "zombie courses" list

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

Effective Term:	Fall 2023		
Subject Code:	CSI - Computational Science & Informatics	**Course Number:**	885
Bundled Courses:			
Is this course replacing another course?	No		
Equivalent Courses:			
Catalog Title:	Atomistic Modeling of Materials		
Banner Title:	Atomistic Modeling of Material		
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):	CSI 685, 700, and 786, or permission of instructor.
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):

Include

Limited to graduate level students only. (SCRRLVL_ONLY_GR)

Degree(s):

School(s):

Catalog Description:

Advanced course focusing on utilization of atomistic modeling and computer simulation techniques to analyze structure of crystalline materials. Introduces modern methodology of largescale atomistic simulations and provides hands-on experience through numerous examples and homework assignments based on simulation packages. Provides background knowledge on theory of lattice defects (point defects, interfaces, dislocations) and thermal and mechanical properties of solid materials (plastic deformation, fracture).

Justification:

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Additional Comments:

Reviewer Comments