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: 12/11/18 3:41 pm

Viewing: **NANO 620 : Computational Modeling in Nanoscience**

Last edit: 12/11/18 3:41 pm

Changes proposed by: blaisten

Catalog Pages referencing this course	Nanotechnology and Nanoscience (NANO)
Programs	VS-PHD-BIOE: Bioengineering, PhD

Justification for deactivation Certificate program for which this course was created is no longer active

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

Effective Term: Spring 2019

Subject Code: NANO - Nanotechnology & Nanoscience **Course Number:** 620

Bundled Courses:

Is this course replacing another course? No

Please specify Old Course Number:

Equivalent Courses:

Catalog Title: Computational Modeling in Nanoscience

Banner Title: Computational Modeling Nanosci

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): NANO 500, 510, and 520, 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:

In Workflow

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

Approval Path

1. 12/12/18 12:46 pm Tory Sarro (vsarro): Approved for Registrar-Courses:Inactivate
2. 12/12/18 2:42 pm Jason Kinser (jkinser): Approved for CDS Chair

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: Introduction to simulation methods used in nanoscience. Covers computational approaches to modeling molecular and condensed matter at the nanoscale level, including interatomic and molecular potentials, molecular mechanics, molecular dynamics, monte carlo averaging, ensemble distributions, numerical sampling, thermodynamic functions, dynamic structure, and introduction to cellular automata.

Justification:

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Additional Comments:

Reviewer Comments

Key: 11350