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 610 : Nanoelectronics**

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

Changes proposed by: blaisten

Catalog Pages referencing this course	[Nanotechnology and Nanoscience (NANO)](#)

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

Justification for deactivation	**Certificate program for which this course was created is no longer active**

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

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

Effective Term: Spring 2019

Subject Code: NANO - Nanotechnology & Nanoscience   **Course Number:** 610

Bundled Courses:

Is this course replacing another course? No

Please specify Old Course Number:

Equivalent Courses:

Catalog Title: Nanoelectronics

Banner Title: Nanoelectronics

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:

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:
Introduces basic elements of nanoelectronic structures, including quantum layers, quantum wires, and quantum dots. Covers sub-band structure, transport in quantum layers, behavior in the presence of magnetic fields, Coulomb blockades, CMOS nanodevices and nanoelectronics, and SOI multigate device physics and modeling.

Justification:

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

Learning Outcomes:

Attach Syllabus

Additional Attachments

Additional Comments:

Reviewer Comments

Key: 11349