

Course Change Request

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Course Inactivation Proposal

Date Submitted: 08/08/18 2:55 pm

Viewing: **MEEN 620 : Kinetic Processes in Materials Science**

Last edit: 08/08/18 2:55 pm

Changes proposed by: rebeccasimon

Catalog Pages referencing this course
[Department of Materials Science and Engineering](#)
[Department of Mechanical Engineering](#)
[MEEN - Mechanical Engineering](#)
[MSEN -Materials Science & Engr](#)

Contact(s)

Name	E-mail	Phone
Rebecca Simon	rebeccasimon@tamu.edu	979-458-9196

Course prefix MEEN Course number 620

Department Mechanical Engineering

College/School College of Engineering

Academic Level Graduate

Effective term **2019-2020**

Complete Course Title
Kinetic Processes in Materials Science

Abbreviated Course Title KINETIC PROCESS MAT SCI

Catalog course description

Atomistic and mesoscale levels; foundation for microstructural evolution and behavior of materials; basic and irreversible thermodynamics; diffusion equations solutions; atomistic diffusion, nucleation; phase transformations: gas-solid, liquid-solid and solid-solid reactions; FiPy (finite volume solver for PDE) to simulate kinetic processes.

Prerequisites and Restrictions

MEEN 222 or equivalent materials science course; preliminary general thermodynamics course is not necessary.

Should catalog prerequisites / concurrent enrollment be enforced? No

Crosslistings No Crosslisted With

Stacked No Stacked with

Semester	3	Contact Hour(s)	Lecture:	3	Lab:	0	Other:	0	Total	3
Credit Hour(s)	(per week):									

In Workflow

- MEEN Department Head
- Curricular Services Review
- EN Committee Preparer GR
- EN Committee Chair GR
- EN College Dean GR
- GC Preparer
- GC Chair
- Faculty Senate Preparer
- Faculty Senate
- Provost II
- President
- Curricular Services
- Banner

Approval Path

- 08/27/18 1:48 pm
Ying Li (yingli):
Approved for MEEN Department Head
- 08/27/18 5:19 pm
Sandra Williams (sandra-williams):
Approved for Curricular Services Review
- 09/11/18 9:04 am
Jennifer Veracruz (jveracruz): Approved for EN Committee Preparer GR
- 09/24/18 9:46 am
Harry Hogan (h-hogan):
Approved for EN Committee Chair GR
- 09/24/18 9:49 am
Harry Hogan (h-hogan):
Approved for EN College Dean GR
- 09/27/18 9:22 am
LaRhesa Johnson (lrjohnson): Approved for GC Preparer
- 10/04/18 3:44 pm
LaRhesa Johnson (lrjohnson): Approved for GC Chair

Repeatable for credit? No
 CIP/Fund Code 1418010006
 Default Grade Mode Letter Grade (G)
 Method of instruction Lecture

Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education)

Will this course be taught as a distance education course? No

Is 100% of this course going to be taught in Texas?

Will classroom space be needed for this course?

This will be a required course or an elective course for the following programs:

Required (select program)

Elective (select program)

Course Syllabus

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation No

Additional information

Reviewer Comments

Justification for this request

Course has changed to MSEN department and is not taught by MEEN.