Course Change Request

Date Submitted: 11/15/17 11:13 am

Viewing: BMEN 686 : Biomedical Nanotechnology

Last edit: 11/19/17 10:05 am
Changes proposed by: mlyons

Catalog Pages referencing this course
- BMEN - Biomedical Engineering
  Department of Biomedical Engineering
- CERT-CG17: Engineering Therapeutics Manufacturing - Certificate

Programs referencing this course

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
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<tbody>
<tr>
<td>Maria Lyons</td>
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<td>9798452312</td>
</tr>
</tbody>
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Rationale for Course

The proposed changes are part of a routine curriculum review.

Course prefix       BMEN       Course number   686
Department          Biomedical Engineering
College/School      College of Engineering
Academic Level      Graduate
Academic Level      Undergraduate
Effective term      2018-2019

Complete Course Title
Biomedical Nanotechnology

Abbreviated Course Title
BIOMED NANOTECHNOLOGY

Catalog course description
Introduction to nanotechnology applications in biomedicine; concepts of scale; unique properties at the nanoscale; biological interaction, transport, and biocompatibility of nanomaterials; current research and development of nanotechnology for medical applications, including sensors, diagnostic tools, drug delivery systems, therapeutic devices, and interactions of cells and biomolecules with nanostructured surfaces.

Prerequisites and Restrictions
- Graduate classification or BMEN-345, approval of instructor.
- Concurrent Enrollment No
- Should catalog prerequisites / concurrent enrollment be enforced? No
- Crosslistings No
- Crosslisted With
- Stacked No
- Stacked with

In Workflow
1. BMEN Department Head
2. Curricular Services Review
3. EN Committee Preparer GR
4. EN Committee Chair GR
5. EN College Dean GR
6. GC Preparer
7. GC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services
13. Banner

Approval Path
1. 11/15/17 2:41 pm
   Mary McDougall (mmpmcDougall): Approved for BMEN Department Head
2. 11/19/17 10:05 am
   Sandra Williams (sandra-williams): Approved for Curricular Services Review
3. 11/30/17 11:19 am
   Jennifer Veracruz (jveracruz): Approved for EN Committee Preparer GR
4. 12/07/17 10:42 am
   Prasad Enjeti (enjeti): Approved for EN Committee Chair GR
5. 12/13/17 9:05 pm
   Prasad Enjeti (enjeti): Approved for EN College Dean GR
6. 01/02/18 4:36 pm
   LaRhesa Johnson (ljohnson): Approved for GC Preparer
7. 01/20/18 9:36 pm
   LaRhesa Johnson (ljohnson): Approved for GC Chair

https://nextcatalog.tamu.edu/courseleaf/approve/
Semester Credit Hours: 3
Contact Hour(s) (per week): Lecture: 3 Lab: 0 Other: 0 Total: 3
Repeatable for credit? No
Three-peat? No
CIP/Fund Code: 1405010006
Default Grade Mode: Letter Grade (G)
Alternate Grade Modes: Satisfactory/Unsatisfactory
Method of instruction: Lecture
Will sections of this course be taught as non-traditional? (i.e., parts of term, distance education) No
Will this course be taught as a distance education course? No
Is 100% of this course going to be taught in Texas? Yes
Will classroom space be needed for this course? Yes
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: Removing the UG class prerequisite requirements since graduate students complete this content at universities other than TAMU and the current listing format limits student enrollment.
Reviewer Comments
Reported to state? No

Key: 2453