Course Change Request

Date Submitted: 10/17/17 12:27 pm

Viewing: MSEN 401 : Materials Research and Design I

Last approved: 04/29/17 3:13 am
Last edit: 01/23/18 2:22 pm
Changes proposed by: jules.henry

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

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
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</thead>
<tbody>
<tr>
<td>Jules Henry</td>
<td><a href="mailto:jules.henry@tamu.edu">jules.henry@tamu.edu</a></td>
<td>979-862-1089</td>
</tr>
</tbody>
</table>

Rationale for Course
Edit
Other

Explain other rationale
The Department is updating prerequisites for course.

Course prefix  MSEN
Course number  401
Department  Materials Science & Engr
College/School  College of Engineering
Academic Level  Undergraduate

Undergraduate course level justification (Select One)
Prerequisites

All prerequisites will be enforced through COMPASS.

Academic Level  Graduate
(alternate)

Effective term  2018-2019

Complete Course Title
Materials Research and Design I

Abbreviated Course Title  MATLS RESEARCH DESIGN I

Catalog course description
Research and design process; need definition, functional analysis, performance requirements, evaluation criteria, conceptual design evaluation; introduction to systems engineering; parametric and risk analysis, failure analysis, material selection and manufacturability; cost and life cycle issues, project management; topics from sponsored research or an industry-sponsored design project.

Prerequisites and Restrictions
Grade of C or better in MSEN 281, MSEN 205 340 and MSEN 400.
### Enforced Prerequisites / Concurrent Enrollment

<table>
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<tr>
<th>And/Or</th>
<th>Course Prefix/Number</th>
<th>Min Grade/Score</th>
<th>Academic Level</th>
<th>Concurrency?</th>
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<tr>
<td>And</td>
<td>MSEN 281</td>
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<tr>
<td>And</td>
<td>MSEN 205</td>
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<tr>
<td>And</td>
<td>MSEN 400</td>
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- Crosslistings: No
- Stacked: No
- Concurrency: Crosslisted With
- Stacked: Stacked with

- Semester: 3
- Contact Hour (per week): Lecture: 2, Lab: 3, Other: 0, Total: 5
- Repeatable for credit?: No
- Three-peat?: No
- CIP/Fund Code: 1418010006
- Default Grade Mode: Letter Grade (G)
- Alternate Grade Modes: Satisfactory/Unsatisfactory
- Method of instruction: Lecture and Laboratory
- 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:

<table>
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<tr>
<th>Program(s)</th>
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<tr>
<td>(BS-MSEN) Materials Science and Engineering - BS</td>
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Required (select program)

Elective (select program)
Has/will this course be(en) submitted for core curriculum consideration? No

Has/will this course be(en) submitted for Writing or Communication consideration? No

Has/will this course be(en) submitted for ICD consideration? No

**Course Syllabus**

Syllabus: Upload syllabus

Upload syllabus

Letters of support or other documentation: No

Additional information

Reviewer Comments

Sandra Williams (sandra-williams) (12/05/17 10:57 am): UCC approved in December.
Jan Helgoth (helgoth) (01/23/18 2:22 pm): Rollback: to Feb Agenda

Reported to state? No