Course Change Request

Date Submitted: 11/14/17 5:03 pm

Viewing: BMEN 211: Biomedical Applications of Circuits, Signals and Systems

Last edit: 01/23/18 2:15 pm
Changes proposed by: mlyons

Catalog Pages referencing this course
BMEN - Biomedical Engineering (BMEN)
Department of Biomedical Engineering

Programs referencing this course
BS-BMEN: Biomedical Engineering - BS

As A Banner Prerequisite:

Faculty Senate Number

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maria Lyons</td>
<td><a href="mailto:mlyons@tamu.edu">mlyons@tamu.edu</a></td>
<td>9798452312</td>
</tr>
</tbody>
</table>

Rationale for Course Edit
The proposed changes are to support major changes to an existing program.

Course prefix  BMEN  Course number  211
Department      Biomedical Engineering
College/School  College of Engineering
Academic Level  Undergraduate
Undergraduate course level justification (Select One)

Academic Level (alternate)  Graduate
Effective term  2018-2019

Complete Course Title
Biomedical Applications of Circuits, Signals and Systems
Abbreviated Course Title
BIOMED APPS CIRCUIT SIGN

Catalog course description
Quantitative analysis of biomedical and physiological signals; A/D conversion and sampling; Fourier and Laplace transforms; filtering of biomedical signals and images; electrical circuits and analog representations of physiological systems as model systems.

Prerequisites and Restrictions
Admitted to major degree sequence; PHYS 207, 208 and MATH 308 308, or concurrent enrollment.

Concurrent Enrollment  No
Should catalog prerequisites / Yes

In Workflow
1. BMEN 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

Approval Path
1. 11/15/17 2:40 pm
   Mary McDougall (mmpmdougal): Approved for BMEN Department Head
2. 11/19/17 10:01 am
   Sandra Williams (sandra-williams): Approved for Curricular Services Review
3. 11/19/17 10:04 am
   Eileen Hoy (ehoy): Approved for EN Committee Preparer UG
4. 11/21/17 9:40 am
   Cathy Sperry (c-sperry): Approved for EN Committee Chair UG
5. 11/21/17 2:33 pm
   Prasad Enjeti (enjeti): Approved for EN College Dean UG
6. 11/21/17 2:45 pm
   Sandra Williams (sandra-williams): Approved for UCC Preparer
7. 12/05/17 10:28 am
   Sandra Williams (sandra-williams): Approved for UCC Chair
8. 01/10/18 3:16 pm
   Jan Helgoth (helgoth): Approved for Faculty Senate Preparer

https://nextcatalog.tamu.edu/courseleaf/approve/
### Enforced Prerequisites / Concurrent Enrollment

<table>
<thead>
<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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</thead>
<tbody>
<tr>
<td>And</td>
<td>PHYS 207 208</td>
<td>D</td>
<td>UG</td>
<td>No</td>
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<tr>
<td>Crosslistings</td>
<td>No</td>
<td>Crosslisted With</td>
<td></td>
<td></td>
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<tr>
<td>Stacked</td>
<td>MATH 308</td>
<td>D</td>
<td>UG</td>
<td>Yes</td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Credit Hour(s)</th>
<th>Contact Hour(s)</th>
<th>Lecture:</th>
<th>Lab:</th>
<th>Other:</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td></td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>3</td>
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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:

<table>
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<th>Program(s)</th>
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<tbody>
<tr>
<td>(BS-BMEN) Biomedical Engineering - BS</td>
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</table>

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

https://nextcatalog.tamu.edu/courseleaf/approve/
Communication consideration?

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

## Course Syllabus

<table>
<thead>
<tr>
<th>Syllabus:</th>
<th>Upload syllabus</th>
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</table>

Upload syllabus

<table>
<thead>
<tr>
<th>Letters of support or other documentation</th>
<th>No</th>
</tr>
</thead>
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Additional information

**Updating prerequisites to reflect new PHYS and ENGR classes required by the COE during the freshman year.**

Reviewer Comments

Sandra Williams (sandra-williams) (12/05/17 10:27 am): UCC approved in December.
Jan Helgoth (helgoth) (01/23/18 2:15 pm): Rollback: to Feb Agenda

Reported to state?  No