Department Contact Information:
- Start Date: 01-OCT-2018
- College: A
- Department: ENGR
- Initiator name: Matthew Cavalli
- Department email: matthew.cavalli@wmich.edu
- Effective Term: 201940

Does course need General Education approval?
- N

Will course be used in teacher education?
- N

If 5000 level course, prerequisites apply to:
- U

New Course BME 4850
New course selected: This new course is not seeking approval as a general education course.

1. Proposed course prefix and number:
   BME 4850

2. Proposed credit hours:
   3

3. Proposed course title:
   Biomedical Engineering Design I

4. Proposed course prerequisites:
   BME 3010

5. Proposed course corequisites:
   None

6. Proposed course prerequisites that may be taken concurrently (before or at the same time):
   None

7. Minimum grade for prerequisites (default grades are D for Undergrad and C for Grad):
   C

8. Major and/or minor restrictions:
   Include

9. List all the four-digit major and/or minor codes (from Banner) that are to be included or excluded:
   Biomedical Engineering (code does not yet exist)

10. Classification restrictions:
    Include

11. List all the classifications (freshman, sophomore, junior, senior) that are to be included or excluded:
    SR

12. Level restriction:
    Include

13. List the level (undergraduate, graduate) that is to be included or excluded:
    UG
14. Do prerequisites and corequisites for 5000-level courses apply to undergraduates, graduates, or both?  
   Not Applicable

15. Is this a multi-topic course?  
   No

16. Proposed course title to be entered in Banner:  
   Biomedical Engr Design I

17. Is this course repeatable for credit?  
   No

18. Is this course mandatory credit/no credit?  
   No

19. Select class type:  
   Lecture

20. How many contact hours per week for this course?  
   3

A. Please choose Yes or No to indicate if this class is a Teacher Education class:  
   No

B. Please choose the applicable class level:  
   Undergraduate

C. Please choose Yes or No to indicate if this class is a General Education class:  
   No

D. Explain briefly and clearly the proposed improvement.  
   We propose to implement an undergraduate degree in biomedical engineering.  
   This degree will comprise four tracks, allowing students to focus their studies in an area of interest:  
   Biomolecular, Biomechanics and Materials, Instrumentation, and Health Systems Engineering.  
   The core biomedical engineering curriculum has been constructed to meet the curricular and  
   learning outcomes requirements of the Engineering Accreditation Commission of ABET.  
   Five new courses with a 'BME' prefix will be offered as part of the new program.  
   Coursework from the College of Engineering and Applied Sciences (CEAS) and the College of  
   Arts and Sciences (CAS) will also be integrated to complete the degree.  
   Please see the attached proposal for more a more complete explanation of the new program.  
   BME 4850 will be an important part of the new BME program, addressing curricular requirements from our accrediting body (the Engineering

* Department Curriculum Chair Approval

- [ ] Approve
- [ ] Deny

Reason for denial:

Comment:

Attachments

- Curriculum supporting doc
  - BME 4850 ABET.docx (17 KB)
  - 01-Oct-2018 12:06:20 PM
  - [Update] [Remove]

- Curriculum supporting doc2
  - BME ABET Curriculum Summary.pdf (54 KB)
  - 01-Oct-2018 12:06:33 PM
  - [Update] [Remove]

- Curriculum supporting doc3
  - BME ABET Outcomes Summary.pdf (121 KB)
  - 01-Oct-2018 12:06:47 PM
  - [Update] [Remove]

- Curriculum supporting doc4
  - WMU BME Proposal Final.pdf (382 KB)
  - 01-Oct-2018 12:07:07 PM