



SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS
New Course Request

USD	Biomedical Engineering
Institution	Division/Department
<i>Elizabeth M. Freeburg</i>	5/10/2017
Institutional Approval Signature	Date

Section 1. Existing Course Title and Description

Prefix & No.	Course Title	Credits
BME 425/525	Medical Product Development	3

Course Description
In this course, students will learn how a medical device or pharmaceutical product is developed. Case studies will be used throughout the course and emphasis will be placed on processes used to identify unmet medical needs, development of innovative solutions to meet the needs, regulatory strategies to guide product development, and manufacturing practices required to produce a product for both national and international markets.

Pre-requisites or Co-requisites (add lines as needed) N/A
Registration Restrictions N/A

Section 2. Review of Course

2.1. Was the course first offered as an experimental course (place an "X" in the appropriate box)?
 Yes (if yes, provide the course information below) No

2.2. Will this be a unique or common course (place an "X" in the appropriate box)?

Unique Course

Prefix & No.	Course Title	Credits
BME 586	Immuno-Engineering	2-3

Provide explanation of differences between proposed course and existing system catalog courses below:

Some of the content in this course deals with the development of pharmaceutical products, but BME 425/525 provides a much broader overview of the development process.
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Section 3. Other Course Information

3.1. Are there instructional staffing impacts?

No. Schedule Management, explain below: The Department of Biomedical Engineering has added new faculty and will integrate this course into teaching schedules

3.2. Existing program(s) in which course will be offered: Biomedical Engineering

3.3. Proposed instructional method by university: R-Lecture

3.4. Proposed delivery method by university: 001 Face-to-Face

3.5. Term change will be effective: Fall 2017

- 3.6. Can students repeat the course for additional credit?
 Yes, total credit limit: _____ No
- 3.7. Will grade for this course be limited to S/U (pass/fail)?
 Yes No
- 3.8. Will section enrollment be capped?
 Yes, max per section: 25 No
- 3.9. Will this course equate with any other unique or common courses in the common course system database in Colleague and the [Course Inventory Report](#)?
 Yes No
- 3.10. Is this prefix approved for your university?
 Yes No

Section 4. Department and Course Codes (Completed by University Academic Affairs)

4.1. University Department Code: UBME

4.2. Proposed [CIP Code](#): 14.0501

Is this a new CIP code for the university? Yes No