



SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS
 Authority to Offer an Existing Course

USD/SDSM&T
Institution

Biomedical Engineering/Nanoscience & Nanoengineering
Division/Department

USD 9/10/2018 *Elizabeth M. Freeburg*

SDSM&T Senate 10/11/18

Institutional Approval Signature

Date

1. Is this a request to offer an existing common course or an existing unique course (approval will change course status from unique to common)?

Unique Course

2. Provide the complete description as it appears in the system database including pre-requisites and co-requisites.

Prefix & No.	Course Title	Credits
ISCI 335/335L	Biomedical Technologies/Lab	3/1

Course Description
Disease models (animal and organoid) and host of cell and molecular biology techniques are routinely used in biomedical research. In this course students will learn how to develop protocols for working with animals as well at PCR, ELISA that comply with Good Laboratory Practices. [LAB: Laboratory to accompany ISCI 335.]

Pre-requisites or Co-requisites			
Prefix & No.	Course Title	Pre-req	Co-req
ISCI 215	Good Laboratory Practices	Yes	

3. Universities currently offering this course:

BHSU DSU NSU SDSMT SDSU USD

4. Does Offering the Course Create FTE Implications? No, this course is offered in the Integrated Science curriculum.

5. Does Offering the Course Create Schedule Management Implications? Yes

Explain: SDSMT will need to work with USD to ensure DDN time and location are available.

6. Existing program(s) in which course will be offered: Biomedical Engineering, B.S.

7. CIP Code for the course: 41.0301

8. Proposed instructional method by this university: D-Discussion/Recitation

9. Proposed delivery method by this university: 020/025 DDN Receive Site/Host

10. University Dept. Code: UBME/MNANO

11. Authority to offer effective beginning in what term? Fall 2019

12. Section Restriction: 25