



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

USD	Biomedical Engineering
Institution	Division/Department
USD 9/10/2018 <i>Elizabeth M. Freeburg</i>	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
MET 232	Properties of Materials	3

USD course number created as BME 232

Course Description
A course in engineering materials and their applications. The different technological uses of metals, ceramics, plastics, and composite materials are discussed and explained in terms of their basic atomic structure, and mechanical, thermal, optical, electrical, and magnetic properties. Material selection in engineering design is emphasized.

Pre-requisites or Co-requisites

Prefix & No.	Course Title	Pre-req	Co-req
Math 123	Calculus I	Yes	
CHEM 112	Chemistry I/L or ISCI 153/L for USD*	Yes	

*Pending Revised common course form to update this prerequisite submitted at the same time.

3. Universities currently offering this course:

BHSU DSU NSU SDSMT SDSU USD

4. Does Offering the Course Create FTE Implications? No, receive DDN from SDSMT host site.

5. Does Offering the Course Create Schedule Management Implications? Yes
 Explain: USD will need to work with SDSMT to ensure DDN time is available for the course.

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

7. CIP Code for the course: 14.2001

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/MMET

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

12. Section Restriction: 25

*The MET department has agreed to the course modification to the pre-requisite requirements of MET 232 listed below. This will be submitted to the next CCM (Curriculum Committee Meeting) at SDSM&T.

Regards,

Timothy M. Brenza, PhD

Assistant Professor

CHEMICAL & BIOLOGICAL ENGINEERING

at SDSM&T

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Timothy.Brenza@sdsmt.edu

From: Kouris, Demitris A.

Sent: Friday, August 31, 2018 8:24 AM

To: Freeburg, Beth M <beth.freeburg@usd.edu>

Cc: Foss, Berit Linnehan <berit.foss@usd.edu>; Engebretson, Daniel S <daniel.engebretson@usd.edu>; Leitru, Tammy R <tammy.leitru@usd.edu>; Brenza, Timothy M. <Timothy.Brenza@sdsmt.edu>

Subject: Re: USD BME: Met 232

Beth,

I am copying Tim Brenza so he can answer.

Demitris Kouris

Provost and VPAA

SD Mines

On Aug 31, 2018, at 8:12 AM, Freeburg, Beth M <Beth.Freeburg@usd.edu> wrote:

Good morning Demitris,

I am working with the USD-BME department on campus. We will have the joint BME undergraduate program on our upcoming university level C&I committee on September 10th. One outstanding question is if we could add ISCI 153 plus laboratory to the MET 232 pre-requisite requirements. USD is already able to use this course as a pre-requisite to our common organic chemistry course. May the pre-requisites for MET 232 include: MATH 123; CHEM 112 and 112L or ISCI 153 and 153L?

Thanks for your help and collaboration!

Beth

Elizabeth McKay Freeburg, Ed.S., Ph.D.

Associate Provost

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