



SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS
 Revised Course Request: Common Course
 (Substantive Modifications)

USD	Dan Engebretson		
Institution	Form Initiator	Dean's Approval Signature	Date
SDSM&T	Nanoscience & Nanoengineering	SDSM&T Senate 10/11/18	10/11/18
Institution	Division/Department	Institutional Approval Signature	Date
USD	Dan Engebretson	Elizabeth M. Freeburg	9/10/18
Institution	Division/Department	Institutional Approval Signature	Date

Indicate universities that currently offer the common course:

- BHSU
 DSU
 NSU
 SDSMT
 SDSU
 USD

Section 1. Existing Course Title and Description

Prefix & No.	Course Title	Credits
MET 232	Properties of Materials	3

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.

Section 2. Modification(s) Requested

2.1. This modification will include:

	Current		New
<input checked="" type="checkbox"/> Pre-requisites	MATH 123 and CHEM 112	to	MATH 123; CHEM 112/L or ISCI 153/L
<input checked="" type="checkbox"/> Cross-listing and equating with	BME 232		
<input checked="" type="checkbox"/> Change delivery method	001-Face to face	to	001-Face to face, 020/025 DDN Host/Receive

Effective term of the change: 1/1/2019

2.2. Add justification for all changes noted above:

ISCI 153/153L prerequisite will allow USD students to complete this course without additional hours. This prerequisite is already an approved prerequisite for organic chemistry.
New Biomedical Engineering Program will utilize this course in the undergraduate program, and for accreditation purposes will need this course to be listed in with the BME prefix.

Section 3. Other Course Information

Will this course equate with any other unique or common courses in the common course database ([Course Inventory Report](#))? No, authority to offer processing

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

	Current		New
<input checked="" type="checkbox"/> Change in University Department Code	MMET	to	MMET/UBME
<input type="checkbox"/> Change in CIP Code	14.2001	to	N/A

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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Rapid City, SD 57701

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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

University of South Dakota

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