



**SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS**

**Revised Course Request: Common Course
(Substantive Modifications)**

SDSU	Donna Flint	Suzette Burckhard	3/1/2023
Institution	Form Initiator	Dean's Approval Signature	Date
	Jerome J. Lohr College of Engineering / Mathematics and Statistics		
SDSU	Division/Department	Dennis D. Hege	4/25/2023
Institution	Division/Department	Institutional Approval Signature	Date
	Science and Mathematics	Stacy T. Trentham	2/24/2023
NSU	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
MATH 425	Real Analysis	3

Course Description

Properties of real numbers, sequences, and series of real numbers, limits of functions, uniform continuity, differentiation, sequences and series of functions, uniform convergence, and theories of integration. Extensions of \mathbb{R}^n may be considered.

Section 2. Modification(s) Requested

2.1. This modification will include:

	<u>Current</u>	<u>New</u>
<input checked="" type="checkbox"/> Prerequisites	Grade of D or better in MATH 225 AND (Grade of D or better in MATH 253 or MATH 351)	Grade of D or better in MATH 225 AND (Grade of D or better in MATH 351 OR Grade of C or better in MATH 253)

Effective term of the change: Fall 2023

2.2. Add justification for all changes noted above:

Students who have not yet demonstrated a C or better level of understanding and skill in MATH 253 at SDSU do not have a good chance for success in MATH 425 at SDSU based on both knowledge and level of mathematical maturity. To complete the degree in Mathematics at SDSU, a grade of C or better is required in MATH 253. Requiring a C or better as a prerequisite for MATH 425 ensures that students take their courses in the correct order. Other universities only require a D or better in their choice for prerequisite and this change does not preclude them from continuing this practice.

Section 3. Other Course Information

3.1. Will this course equate (i.e., be considered the same course for degree completion) with any other unique or common courses in the common course database? ☐ Yes ☒ No

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

	<u>Current</u>		<u>New</u>
<input type="checkbox"/> Change in Banner Department	NSU: Science & Mathematics SDSU: Mathematics & Statistics	to	No change
<input type="checkbox"/> Change in Banner Department Code	NSCM, SMAS	to	No change
<input type="checkbox"/> Change in CIP Code	27.0101	to	No change

NSU Approval:

From: Trentham, Stacy M
Sent: Friday, February 24, 2023 10:42 AM
To: Flint, Donna
Cc: Trentham, William T
Subject: Re: one more!

Hi Donna,

We have no problem with any of these changes. I have sent all of the forms to our dept. chair for his signature.

-Stacy

From: Lapka, Judy
Sent: Monday, February 27, 2023 4:08 PM
To: Flint, Donna; Cogswell, Kurt
Cc: Hoffelt, Janell; Fouberg, Erin H (NSU)
Subject: Math common course change requests

NSU supports the requested changes.