



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

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

SDSU Institution	Donna Flint Form Initiator	Suzette Burckhard Dean's Approval Signature	3/1/2023 Date
	Jerome J. Lohr College of Engineering / Mathematics and Statistics		
SDSU Institution	Division/Department	Dennis D. Hedge Institutional Approval Signature	4/3/2023 Date
BHSU Institution	Mathematics Division/Department	Dan Swenson Institutional Approval Signature	2/27/2023 Date
DSU Institution	Mathematics Division/Department	Rich Avery Institutional Approval Signature	2/23/2023 Date
NSU Institution	Science and Mathematics Division/Department	Stacy Trentham Institutional Approval Signature	2/24/2023 Date
SDSM&T Institution	Mathematics Division/Department	Travis Kowalski Institutional Approval Signature	2/23/2023 Date
USD Institution	Mathematics Division/Department	Dan Van Peursem Institutional Approval Signature	2/27/2023 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 413	Abstract Algebra	3
Course Description Introduction to the theory and applications of algebraic structures including groups, rings, and fields.		

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 253 or MATH 315 or MATH 316, MATH 351 or CSC 251)	Grade of D or better in (MATH 315 or MATH 316 or MATH 351 or CSC 251) 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 413 at SDSU based on both knowledge and level of mathematical maturity. In order to complete the degree in Mathematics at SDSU, a grade of C or better is required in MATH 253 (unique SDSU course); requiring a C or better as a prerequisite for MATH 413 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	BHSU: Mathematics DSU: Mathematics NSU: Science & Mathematics SDSMT: Mathematics SDSU: Mathematics & Statistics USD: Mathematics	to No change
<input type="checkbox"/> Change in Banner Department Code	BMTH, DMTH, NSCM, MMTH, SMAS, UMTH	to No change
<input type="checkbox"/> Change in CIP Code	27.0102	to No change

From: Flint, Donna

Sent: Thursday, February 23, 2023 2:49 PM

To: Van Peursem, Dan; Cogswell, Kurt; Swenson, Daniel; Siewert, Daluss; Avery, Rich; Wicklein, Richard; Trentham, William T; Trentham, Stacy M; Kowalski, R. T.; Teets, Donald A.; Georgescu, Catalin

Subject: REQUEST- Course Modification

Good afternoon everyone- I hope you are staying warm!

Today I come with a request for a course prerequisite modification. Our campus would like to change the prerequisite for Math 413 (Abstract Algebra) by requiring a C or better in the unique course we have listed as a prerequisite. This does not change any of the prerequisites you are all are using, it just gives us some footing when we want to convince our students to reach the required grade of C before moving on to the next course.

Math 413:

From: Grade of D or better in Math 253, 315, 316,
351 or CSC 251

To: Grade of D or better in Math 315, 316, 351 or
CSC 251 or grade of C or better in Math 253

BHSU Approval:

From: Swenson, Daniel

Sent: Monday, February 27, 2023 5:18 PM

Subject: RE: [EXT] REQUEST- Course Modification

Hi everyone,

OK, no objections from BHSU.

Thank you!

Dan Swenson

Daniel.Swenson@bhsu.edu

DSU Approval:

From: Avery, Rich

Sent: Thursday, February 23, 2023 3:13 PM

To: Flint, Donna; Van Peursem, Dan; Cogswell, Kurt; Swenson, Daniel; Siewert, Daluss; Wicklein, Richard; Trentham, William T; Trentham, Stacy M; Kowalski, R. T.; Teets, Donald A.; Georgescu, Catalin

Subject: RE: REQUEST- Course Modification

No concerns, in the prereq modification.

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.

SDSMT Approval:

From: Kowalski, R. T.

Sent: Thursday, February 23, 2023 3:30 PM

To: Flint, Donna; Van Peursem, Dan; Cogswell, Kurt; Swenson, Daniel; Siewert, Daluss; Avery, Rich; Wicklein, Richard; Trentham, William T; Trentham, Stacy M; Teets, Donald A.; Georgescu, Catalin

Subject: RE: [EXT] REQUEST- Course Modification

Mines has no objections to the change, but I have a question.

What will you do with a student who, say, has a D in MATH 315 (or even a C in MATH 315 from a school with a less theoretical version of Linear Algebra) and wants to take MATH 413?

This doesn't affect my previous stance. I'm simply curious: we've had students who transferred in MATH 315 to get into MATH 413, while at Mines we really want CSC 251 as our springboard class for it.

--Travis

USD Approval:

From: Van Peurse, Dan
Sent: Monday, February 27, 2023 5:13 PM
To: Flint, Donna
Subject: RE: Math 413 request

Hi Donna,
I am fine with this request as well. Also, both forms were forwarded to the Associate Provost by our Associate Dean today so hopefully you will get the signatures you need.
Best,
Dan