



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

Authority to Offer an Existing Course

NSU College of Arts and Science / Department of Science and Mathematics
Institution Division/Department

Michael Wenous 11/21/2023
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)?

- Common Course
 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
MATH 411	Theory of Numbers	3

Course Description
 Properties of integers, divisibility, primes, congruencies, Diophantine equations, quadratic residues, continued fractions, and the distribution of primes.

Pre-requisites or Co-requisites (add lines as needed, make sure to copy boxes in Pre-req and Co-req cells)

Prefix & No.	Course Title	Pre-req	Co-req
MATH 125	Calculus 2	Yes	No

3. Universities currently offering this course, or any equated courses (place an "X" in the appropriate boxes):

Please consult any universities indicated below, and attach correspondence with the campus response. Communication and approval should include the Provost's office at the universities currently offering the course.

- BHSU DSU NSU SDSMT SDSU USD

4. Does Offering the Course Create FTE Implications? No

If no, replacement of N/A (deletion form attached)
 (prefix, number, name of course, credits)

Effective Date of Deletion: Click here to enter a date.

There is no replacement. This course will be worked into the regular schedule of existing faculty.

5. Does Offering the Course Create Schedule Management Implications? No
Explain: This course will be worked into the regular schedule of existing faculty.

6. Existing program(s) in which course will be offered: BS Math, BSEd Math, Math Minor

7. CIP Code for the course: 27.0101

8. Is the university currently authorized to use the course prefix (i.e., the prefix is used for a minimum of 6 courses, not counting x9x courses) (Yes or No)? Yes
If the university is not authorized to use the current prefix, please indicate the prefix your university will use for the course, which will be equated to the requested course. The university must be approved to use this prefix.: _____
(Note: If the institution wishes to offer the course with the current prefix, but is not authorized to do so, AAC Guidelines Form 1.10 – New Prefix Request Form must be submitted along with this request.)

9. Proposed instructional method by this university: (R) Lecture

10. Proposed delivery method by this university: X01 Face to face

11. University Dept. Code: Science and Mathematics

Banner Department Code: NSCM

12. Authority to offer effective beginning in what term? Fall 2024

13. Section Restriction: N/A

RE: [EXT] Authorization to Offer Courses

Georgescu, Catalin <Catalin.Georgescu@usd.edu>

Mon 9/11/2023 2:25 PM

To: Trentham, Stacy M <Stacy.Trentham@northern.edu>; Swenson, Daniel <daniel.swenson@bhsu.edu>; Garnett, Colin <colin.garnett@bhsu.edu>; Van Peursesem, Dan <dan.vanpeursesem@usd.edu>

Cc: Trentham, William T <William.Trentham@northern.edu>

CAUTION: This email originated from outside of NSU. Do not click links or open attachments unless you recognize the sender and know the content is safe. DO NOT provide your username and password.

Hi Stacy,

I don't have any objection for you to offer Advanced Algebra II. I checked Black Hills catalog for the current year and MATH 414 is in it (I was curious what MATH 411 was 😊).

Catalin

Catalin Georgescu

Chair Department of Mathematical Sciences Associate Professor, PhD

Patterson Hall 132D, 414 E. Clark Street, Vermillion SD 57069 Tel: (605) 658-5971



UNIVERSITY OF
SOUTH DAKOTA

From: Trentham, Stacy M <Stacy.Trentham@northern.edu>

Sent: Monday, September 11, 2023 1:54 PM

To: Swenson, Daniel <daniel.swenson@bhsu.edu>; Garnett, Colin <colin.garnett@bhsu.edu>; Van Peursesem, Dan

<Dan.VanPeursesem@usd.edu>; Georgescu, Catalin <Catalin.Georgescu@usd.edu>

Cc: Trentham, William T <william.trentham@northern.edu>

Subject: Re: [EXT] Authorization to Offer Courses

Thanks, Dan!

Stacy Trentham, PhD

Associate Professor of Mathematics Northern State University

MJ 216

From: Swenson, Daniel <Daniel.Swenson@bhsu.edu>

Sent: Monday, September 11, 2023 1:51 PM

To: Trentham, Stacy M <Stacy.Trentham@northern.edu>; Garnett, Colin <colin.garnett@bhsu.edu>; Van Peursesem Dan <dan.vanpeursesem@usd.edu>; Georgescu, Catalin <catalin.georgescu@usd.edu>

Cc: Trentham, William T <William.Trentham@northern.edu>

Subject: RE: [EXT] Authorization to Offer Courses

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Hi Stacy,

BHSU has no objection to NSU offering these courses.

FYI, we have also offered 414 in the past on our campus (as well as 411), and I would have thought that we were still authorized to offer 414. But I guess we didn't come up in your search?

Anyway, we have no objection.

Thank you! Best,

Dan Swenson

Professor of Mathematics Black Hills State University Daniel.Swenson@bhsu.edu

From: Trentham, Stacy M <Stacy.Trentham@northern.edu>

Sent: Monday, September 11, 2023 12:00 PM

To: Swenson, Daniel <Daniel.Swenson@bhsu.edu>; Garnett, Colin <Colin.Garnett@bhsu.edu>;
Van Peurse, Dan

<dan.vanpeurse@usd.edu>; Georgescu, Catalin <catalin.georgescu@usd.edu>

Cc: Trentham, William T <william.trentham@northern.edu>

Subject: [EXT] Authorization to Offer Courses

Good afternoon!

NSU was once authorized to offer Math 411 and Math 414 but hadn't for several years. It seems the conversion to Banner removed us from the list of authorized universities. We would like to add these two courses back into our rotation.

Is BHSU okay with us submitting the paperwork for authorization to offer Math 411? Is USD okay with us submitting the paperwork for authorization to offer Math 414?

Thanks!

Stacy

Stacy Trentham, PhD

Associate Professor of Mathematics Northern State University

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