



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

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

|                    |   |   |                   |
|--------------------|---|---|-------------------|
| <u>SDSU</u>        | <u>Kurt Cogswell</u>                        | <u>Dean's Approval Signature</u>        | <u>Date</u>       |
| <b>Institution</b> | <b>Form Initiator</b>                       |   |                   |
|                    | Engineering/<br>Mathematics &<br>Statistics |   |                   |
| <u>SDSU</u>        | <u>Dennis D. Hedge</u>                      | <u>Institutional Approval Signature</u> | <u>1/19/2019</u>  |
| <b>Institution</b> | <b>Division/Department</b>                  |   | <b>Date</b>       |
| <u>BHSU</u>        | <u>Chris Crawford</u>                       | <u>Institutional Approval Signature</u> | <u>12/28/2018</u> |
| <b>Institution</b> | <b>Division/Department</b>                  |   | <b>Date</b>       |
| <u>DSU</u>         | <u>Scott McKay</u>                          | <u>Institutional Approval Signature</u> | <u>1/15/2019</u>  |
| <b>Institution</b> | <b>Division/Department</b>                  |   | <b>Date</b>       |
| <u>NSU</u>         | <u>Stacy Trentham</u>                       | <u>Institutional Approval Signature</u> | <u>2/7/2019</u>   |
| <b>Institution</b> | <b>Division/Department</b>                  |   | <b>Date</b>       |
| <u>USD</u>         | <u>Elizabeth McKay Freeburg</u>             | <u>Institutional Approval Signature</u> | <u>1/14/2019</u>  |
| <b>Institution</b> | <b>Division/Department</b>                  |   | <b>Date</b>       |

Indicate universities that currently offer the common course:

BHSU     DSU     NSU     SDSMT     SDSU     USD

**Section 1. Existing Course Title and Description**

| <b>Prefix &amp; No.</b> | <b>Course Title</b>   | <b>Credits</b> |
|-------------------------|-----------------------|----------------|
| MATH 103                | Quantitative Literacy | 3              |

| <b>Course Description</b>   |
|---|
| This course is designed to provide the liberal arts student with practical number theory, logical thinking, and mathematical skills to be quantitatively literate. The student will develop critical thinking skills, interpret data, and reason quantitatively to solve authentic problems and increase confidence with mathematics while simultaneously building a cultural appreciation for the relevant and meaningful role that mathematics plays in many areas of life. Students will use information and knowledge from multiple areas to apply mathematics to new situations and dynamic processes. |

**Section 2. Modification(s) Requested**

**2.1. This modification will include:**

**Course Title change from** Quantitative Literacy to Mathematical Reasoning

**Effective term of the change:** Fall 2019

**2.2. Add justification for all changes noted above:**

This change is part of the Regental Math Pathway model that was proposed, discussed, and approved by the Board at its May 2018 meeting. This course modification was included in the proposal at that time.

### **Section 3. Other Course Information**

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 (Course Inventory Report)?

Yes     No

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

|  |   |    |   |
|--|---|----|---|
| <input type="checkbox"/> <b>Change in University Department Code</b> | <u>Current</u><br>BMTSS<br>DMATH<br>NMATH<br>SMATH<br>UMATH | to | <u>New</u><br><br><br><br><br>No change |
| <input type="checkbox"/> <b>Change in <u>CIP Code</u></b>            | <u>27.0101</u>  | to | <u>No change</u>                        |

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#### **BHSU Approval**

Hi Kurt,

Below is an email approval from Chis Crawford, BHSU Provost and Vice-President for Academic Affairs.

Please let me know if you need anything else.

Thanks,  
Daluss

From: Crawford, Chris  
Sent: Friday, December 28, 2018 11:53 AM  
To: Siewert, Daluss  
Cc: Fuqua, Amy  
Subject: RE: Common course modifications for Math Pathways

Approved.

From: Siewert, Daluss  
Sent: Thursday, December 27, 2018 9:52 AM  
To: Crawford, Chris  
Cc: Fuqua, Amy  
Subject: FW: Common course modifications for Math Pathways

Chris,

Attached are curriculum proposals to renumber college algebra, rename MATH 103, etc. These changes were all discussed and approved by BOR last spring as part of the larger Math Pathways proposal, but we still need approval from each campus (see email below). Can you please indicate approval in an email and I will forward to the MDC chair to append to the forms before submitting to BOR.

Thanks,

Daluss

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**DSU Approval**

From: McKay, Scott  
Sent: Tuesday, January 15, 2019 8:15 AM  
To: Cogswell, Kurt  
Cc: Avery, Rich; Slaughter, Susan  
Subject: math pathways

Kurt, DSU is good with the mathway pathway changes,  
Thank you, dr. mckay

Dr. Scott McKay  
Provost and Vice President of Academic Affairs  
Professor of Chemistry  
Dakota State University

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**NSU Approval**

From: Trentham, Stacy M  
Sent: Thursday, February 7, 2019 6:00 PM  
To: Cogswell, Kurt  
Subject: RE: [EXT] RE: MDC - revised course descriptions?

I just heard back. Our AAC has passed this earlier this week.

Stacy Trentham, PhD

Assistant Professor of Mathematics  
Northern State University  
MJ 216

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**SDSM&T Approval**

From: Kowalski, R. T.  
Sent: Monday, January 7, 2019 11:48 AM  
To: Cogswell, Kurt  
Subject: RE: [EXT] Common course modifications for Math Pathways

Kurt,

Sorry for the delay. SDSMT approves of these changes.

--Travis

*Travis Kowalski*  
*Interim Head of the Department of Mathematics*  
*South Dakota School of Mines and Technology*  
*605-394-6146*

## **USD Approval**

From: Freeburg, Beth M  
Sent: Monday, January 14, 2019 6:13 PM  
To: Van Peursem, Dan  
Cc: Dudley, John E; Hackemer, Kurt  
Subject: Re: Common course modifications for Math Pathways

Dan, we informed the curriculum committee about the SDBOR math pathways plan. Since this was SDBOR approved in May, a USD faculty review and vote at this time is not needed. We will notify the committee that the paperwork has been completed.

Beth

Elizabeth McKay Freeburg, Ed.S., Ph.D.  
Associate Provost  
605-677-6497