



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

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

<u>SDSU</u> Institution	<u>Kurt Cogswell</u> Form Initiator	<u>Bruce Berdanier</u> Dean's Approval Signature	<u>4/15/2019</u> Date
<u>SDSU</u> Institution	Engineering/ Mathematics & Statistics Division/Department	<u>Dennis D. Hedge</u> Institutional Approval Signature	<u>4/27/2019</u> Date
<u>BHSU</u> Institution	Academic Affairs Division/Department	<u>Chris Crawford</u> Institutional Approval Signature	<u>1/31/2019</u> Date
<u>DSU</u> Institution	Academic Affairs Division/Department	<u>Scott McKay</u> Institutional Approval Signature	<u>2/4/2019</u> Date
<u>NSU</u> Institution	College of Arts & Sciences Division/Department	<u>Stacy M Trentham</u> Institutional Approval Signature	<u>2/7/2019</u> Date
<u>SDSM&T</u> Institution	Department of Mathematics Division/Department	<u>Travis Kowalski</u> Institutional Approval Signature	<u>2/7/2019</u> Date
<u>USD</u> Institution	Academic Affairs Division/Department	<u>Elizabeth McKay Freeburg</u> Institutional Approval Signature	<u>2/28/2019</u> 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 103	Quantitative Literacy ¹	3

Course Description
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 Content/Description change (write proposed new content/description below)

¹ As part of the Math Pathways project, a separate revised course request was routed in February 2019 to update the course title. The title will change from *Quantitative Literacy* to *Mathematical Reasoning*.

In this course, students will work with authentic problems to develop logical, critical thinking, and mathematical skills. The student will build a cultural appreciation for the relevant and meaningful role that mathematics plays in many areas of life. Topics may include: finance, introduction to probability and statistics, and linear and exponential models, among others.

Effective term of the change: Fall 2019

2.2. Add justification for all changes noted above:

Several common MATH course descriptions had not been updated in recent memory, including this one. The Math Discipline Council arrived at the proposed new description after discussion. It more accurately reflects the course content as it is currently delivered across the system.

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)

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

BSHU Approval

From: Siewert, Daluss
Sent: Thursday, January 31, 2019 5:50 PM
To: Cogswell, Kurt
Subject: FW: [EXT] RE: MDC - revised course descriptions?

Kurt – Below is an approval email from Dr. Chris Crawford, BHSU Provost and Vice-President of Academic Affairs. Please let me know if you need anything else.

Thanks,
Daluss

From: Crawford, Chris
Sent: Thursday, January 31, 2019 4:45 PM
To: Siewert, Daluss
Cc: Fuqua, Amy
Subject: RE: [EXT] RE: MDC - revised course descriptions?

Daluss:

You are the expert on this. I trust your sage judgment always. Please run them forward.

Chris

From: Siewert, Daluss
Sent: Thursday, January 31, 2019 4:34 PM

605-256-5147

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

SDSMT Approval

From: Kowalski, R. T.
Sent: Thursday, February 7, 2019 10:12 AM
To: Cogswell, Kurt; Van Peurse, Dan; Avery, Rich; Trentham, Stacy M; Siewert, Daluss
Subject: RE: [EXT] RE: MDC - revised course descriptions?

Kurt,

Sorry for the delay from SD Mines, but I'm sure Kyle has related our head-scratchingly bureaucratic process here.

The good news here is that SD Mines 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: Thursday, February 28, 2019 3:52 PM
To: Van Peurse, Dan
Subject: RE: [EXT] RE: MDC - revised course descriptions?

Hi Dan,

We are going to FYI these to the USDCL. It is ok to proceed.

They were already SDBOR approved so it seems inappropriate to have our faculty try to vote.

Beth

From: Van Peurse, Dan
Sent: Thursday, February 28, 2019 3:28 PM
To: Freeburg, Beth M
Subject: FW: [EXT] RE: MDC - revised course descriptions?

Hi Beth,

Our Math Discipline Council rep, Kurt Cogswell from SDSU was wondering if we approved of the above revised course descriptions so he can ship them off to the BOR? Not sure if Kurt was going to approve or if they are working their way through the system here. Either way, I told him I would check up on the approval process on our end for him. I believe I initially sent these up through John but he mentioned you may have received them via another avenue as well. Either way, if you could let me know what you find out as far as approving that would be great. If it matters, they were all approved by our math discipline council and we are all ok with them. Thanks.

Dan

From: Cogswell, Kurt
Sent: Thursday, January 31, 2019 2:57 PM
To: Van Peurse, Dan; Avery, Rich; Trentham, Stacy M; Siewert, Daluss; Kowalski, R. T.
Subject: FW: [EXT] RE: MDC - revised course descriptions?

Daluss, Dan, Rich, Stacy, and Travis,

I've attached common course curriculum mod forms for the course description changes we've been discussing, and also one SUMMARY form that contains all the essential info if that's easier to work with on your campus. Could you please see if the appropriate person on your campus approves of these changes? If so, an email from that person to me, or through you to me, expressing approval should be all that's needed. Once I have all campus responses I'll get these moving to BOR.

Kurt