



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

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

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

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 102	College Algebra <sup>1</sup>	3

Course Description
Equations and inequalities; polynomial functions and graphs, exponents, radicals, binomial theorem, zeros of polynomials; systems of equations; exponential, logarithmic, and inverse functions, applications and graphs. Other topics selected from sequences, series, and complex numbers.

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

**2.1. This modification will include:**

- Course Content/Description change (write proposed new content/description below)**  
This course includes a study of the theory and application of functions including function notation, graphs, inverses, polynomial, rational, exponential, logarithmic, and other

<sup>1</sup> As part of the Math Pathways project, a separate revised course request was routed in February 2019 to renumber this course from MATH 102 to MATH 114.

functions. May also include additional topics such as sequences, series, the binomial theorem, linear systems, matrices, or complex numbers.

**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)**

<input type="checkbox"/> <b>Change in University Department Code</b>	<u>Current</u> BMTSS DMATH MMATH NMATH SMATH UMATH	to	<u>New</u>      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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**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  
To: Crawford, Chris  
Cc: Fuqua, Amy  
Subject: FW: [EXT] RE: MDC - revised course descriptions?



## **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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## **SDSMT Approval**

From: Kowalski, R. T.  
Sent: Thursday, February 7, 2019 10:12 AM  
To: Cogswell, Kurt; Van Peursem, 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*

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## **USD Approval**

From: Freeburg, Beth M  
Sent: Thursday, February 28, 2019 3:52 PM  
To: Van Peursem, Dan  
Subject: RE: [EXT] RE: MDC - revised course descriptions?

Hi Dan,

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

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

Beth

From: Van Peursem, 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

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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