SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS

Authority to Offer an Existing Course

NSU	Science and Math
Institution	**Division/Department**

Michael Warous   1/31/2020

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 331	Advanced Engineering Math	3

Course Description
Fourier series, vector analysis, matrices, determinants, and topics selected from: complex variables, partial differential equations, numerical methods.

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 321	Differential Equations	Yes	

3. **Universities currently offering this course (_place an "X" in the appropriate boxes_):**

   ☐ BHSU   ☐ DSU   ☐ NSU   ☐ SDSMT   ☒ SDSU   ☐ USD

   RE: Adding Math 331

   Cogswell, Kurt <Kurt.Cogswell@SDSTATE.EDU>

   Mon 12/2/2019 6:57 PM

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

Hi Travis,

That makes good sense to me. If you're going to run some paperwork past BOR for this and need anything from me, just say the word.

Have a good evening. Kurt

From: Trentham, William T <William.Trentham@northern.edu>
Sent: Monday, December 2, 2019 6:44 PM
To: Cogswell, Kurt <Kurt.Cogswell@SDSTATE.EDU
> **Cc:** Kiesow, Alyssa <alyssa.kiesow@northern.edu
> **Subject:** Adding Math 331

Hello again, Kurt.

This is Travis Trentham. I am copying our dept chair, Dr Alyssa Kiesow, on this email.

As you are no doubt aware, the Department of Science and Mathematics at Northern is working to establish an engineering partnership with SDSU. To support this program, we will be submitting an authority to offer form to add Math 331 to our course catalog. Any supportive feedback you or any of your faculty might have to offer to us would be tremendously appreciated. I thank you for your time and look forward to hearing back from you.

Thanks,

-Travis

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Wm. Travis Trentham
Assistant Professor of Mathematics
Office: MJ 217
Fall 2019 Office Hours: 3-4 M, 2-3 T, 3-4 W, 2-4 R, 12-1 F (or by appt.) Northern State University
Aberdeen, SD 57401

4. Does Offering the Course Create FTE Implications? No

> **If no**, Replacement of _____ (deletion form attached)
> <div align="center">(prefix, number, name of course, credits)</div>
> Effective Date of Deletion: Click here to enter a date.

5. Does Offering the Course Create Schedule Management Implications?   No
> **Explain:** Schedule rotation

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

7. CIP Code for the course: 27.0101

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

9. Proposed delivery method by this university: Face-to-Face (N01)

10. University Dept. Code: NMATH

   Banner Department Code: NMTH

11. Authority to offer effective beginning in what term?   Fall 2020

12. Section Restriction: 16-20 students