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 425	Real Analysis	3

Course Description
Properties of real numbers, sequences, and series of real numbers, limits of functions, uniform continuity, differentiation, sequences and series of functions, uniform convergence, and theories of integration. Extensions of R^n may be considered.

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 225	Calculus III	Yes	No
MATH 351	Foundations of Math	Yes	No

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

   ⊠ BHSU   ☐ DSU   ☐ NSU   ☐ SDSMT   ⊠ SDSU   ☐ USD

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? <u>Yes</u>

   Explain: We recently updated our math curriculum to reflect the needs of the market, included in this change is the renumbering of MATH 281 and 216 but also the restructuring of MATH 425 to include components of MATH 423 and 425. We once had the authority to offer MATH 425, but this course was removed from the Banner system, hence the reason we are completing paperwork to include it as a course offering for our students. It is imperative this course is offered, as it is now a required course in the math degree. We will reallocate course assignments to account for this need/change.

6. Existing program(s) in which course will be offered: <u>BS Math and BSED Math</u>

7. CIP Code for the course: <u>27.0101</u>

8. Proposed instructional method by this university: <u>Lecture (R)</u>

9. Proposed delivery method by this university: <u>Face-to-Face (N01)</u>

10. University Dept. Code: <u>NMATH</u>

    Banner Department Code: <u>NMTH</u>

11. Authority to offer effective beginning in what term? <u>Fall 2020</u>

12. Section Restriction: <u>24</u>