SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS

New Certificate

UNIVERSITY:	**BHSU, DSU, NSU, SDSM&T, SDSU, USD**
TITLE OF PROPOSED CERTIFICATE:	**Graduate Mathematics Certificate**
INTENDED DATE OF IMPLEMENTATION:	**8/26/2019**
PROPOSED CIP CODE:	**27.0101**
UNIVERSITY DEPARTMENT:	**BHSU:** **DSU: DMATH** **NSU:** **SDMS&T:** **SDSU: SGRMT** **USD: UMTH**
UNIVERSITY DIVISION:	**BHSU:** **DSU: College of Arts and Sciences** **NSU:** **SDMS&T:** **SDSU: Graduate School** **USD: College of Arts and Sciences**

University Approval

To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.

Institutional Approval Signature *President or Chief Academic Officer, Black Hills State University*	Date
Institutional Approval Signature *President or Chief Academic Officer, Dakota State University*	Date
Institutional Approval Signature *President or Chief Academic Officer, Northern State University*	Date
Institutional Approval Signature *President or Chief Academic Officer, South Dakota School of Mines & Technology*	Date
Institutional Approval Signature *President or Chief Academic Officer, South Dakota State University*	Date
Institutional Approval Signature *President or Chief Academic Officer, University of South Dakota*	Date

University Center, Black Hills State University-Rapid City, etc.) or intends to seek authorization to deliver the entire certificate through distance technology (e.g., as an on-line program)?[4]

	Yes/No	***If Yes, list location(s), including the physical address***	***Intended Start Date***
Off-campus	No		Click here to enter a date.

	Yes/No	***If Yes, identify delivery methods***	***Intended Start Date***
Distance Delivery	Yes	018 Internet Synchronous	8/15/2019

8. Additional Information: *Additional information is optional. Use this space to provide pertinent information not requested above. Limit the number and length of additional attachments. Identify all attachments with capital letters. Letters of support are not necessary and are rarely included with Board materials. The University may include responses to questions from the Board or the Executive Director as appendices to the original proposal*

3.2.1. Participating institutions agree to develop similar types of assessments for each course component in the certificate programs.

3.2.2. The Math Discipline Council will create and maintain rubrics for the Critical Thinking and Inquiry Analysis learning outcomes that faculty are encouraged to use when evaluating assessments aligned to these outcomes.

3.2.3. Review of the rubrics for Critical Thinking and Inquiry Analysis will be a standing

6. Funding Model

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of

Appendix B

Graduate Math Certificate Learning Outcomes

Content Knowledge: Demonstrate depth and breadth of content knowledge in a core area of mathematics.

Critical Thinking: Read, analyze, write and present mathematical arguments with clarity.

Inquiry Analysis: Research current mathematical practices/theorems and communicate findings.

Summer Sessions:

	Summer 19	Summer 20	Summer 21	Summer 22	Summer 23
BHSU					
DSU			MATH 622 (online)		MATH 622 (online)
NSU					
SDSMT					
SDSU	STAT 541 (online) STAT 600 (online)	STAT 541 (online) STAT 600 (online) MATH 523 (online)	STAT 541 (online) STAT 600 (online)	STAT 541 (online) STAT 600 (online) MATH 523 (online)	STAT 541 (online) STAT 600 (online)
USD					