SOUTH DAKOTA BOARD OF REGENTS
ACADEMIC AFFAIRS FORMS

Substantive Program Modification Form

Use this form to request minor changes in existing programs (majors, minors, certificates, or specializations).

UNIVERSITY:	NSU
CURRENT PROGRAM TITLE:	**MSEd Instructional Design in E-Learning**
CIP CODE:	
UNIVERSITY DEPARTMENT:	**Teacher Education**
BANNER DEPARTMENT CODE:	NESE
UNIVERSITY DIVISION:	**School of Education, College of Professional Studies**
BANNER DIVISION CODE:	**5E**

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.

_____   9/18/2020
Vice President of Academic Affairs or   Date
President of the University

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1. **This modification addresses a change in (*place an "X" in the appropriate box*):**

   ☒   Total credits required within the discipline   ☒   Total credits of supportive course work

   ☒   Total credits of elective course work   ☒   Total credits required for program

   ☐   Program name   ☐   Existing specialization

   ☐   CIP Code   ☐   Other (explain below)

2. **Effective date of change: 8/2/2021**

3. **Program Degree Level (*place an "X" in the appropriate box*):**

   Associate ☐   Bachelor's ☐   Master's ☒   Doctoral ☐

4. **Category (*place an "X" in the appropriate box*):**

   Certificate ☐   Specialization ☐   Minor ☐   Major ☒

Program Forms, Substantive Program Modification Form (last revised 08/2016)

5. If a name change is proposed, the change will occur (*place an "X" in the appropriate box*):

☐ On the effective date for all students

☐ On the effective date for students new to the program (enrolled students will graduate from existing program)

Proposed new name: _____

Reminder: Name changes may require updating related articulation agreements, site approvals, etc.

6. Primary Aspects of the Modification (*add lines or adjust cell size as needed*):

Existing Curriculum

Pref.	Num.	Title	Cr. Hrs.
Foundational Courses (6 credits)			
EDER	761	Graduate Research and Design	3
EPSY	742	Psychology of Learning	3
Core Courses (12 credits)			
ELRN	535	Principles of Instructional Design	3
EDFN	725	Analysis and Design of Electronic Instruction	3
ELRN	728	Development, Implementation, and Evaluation of Electronic Instruction	3
ELRN	750	Teaching and Learning with Digital Technology	3
Supporting Courses (9 credits)			
ELRN	540	Multimedia Design and Development	3
ELRN	720	Technological Innovation	3
ELRN	772	Applications of Learning Theory	3

Proposed Curriculum (highlight changes)

Pref.	Num.	Title	Cr. Hrs.
Foundational Courses			
EDER	761	**Graduate Research and Design**	3
EPSY	742	**Psychology of Learning**	3
Core Courses (12 credits) (21 credits)			
ELRN	535	**Principles of Instructional Design**	3
~~EDFN~~	~~725~~	~~Analysis and Design of Electronic Instruction~~	
~~ELRN~~	~~728~~	~~Development, Implementation, and Evaluation of Electronic Instruction~~	
ELRN	750	**Teaching and Learning with Digital Technology**	3
~~Supporting Courses (9 credits)~~			
~~ELRN~~	~~540~~	~~Multimedia Design and Development~~	~~3~~
~~ELRN~~	~~720~~	~~Technological Innovation~~	
ELRN	772	**Applications of Learning Theory**	3
ELRN	510	**Digital Learning and Communication**	**3**
ELRN	585	**Classroom Technology**	**3**
EDER	765	**Data Driven Decision Making**	**3**

				EDFN	765	**Differentiated Instruction & Classroom Engagemen**t	3
Research Option (6 credits)				~~**Research Option (6 credits)**~~			
ELRN	788	Research Paper or Project	0-3	~~ELRN~~	~~788~~	~~Research Paper or Project~~	
		Elective	3-6			~~Elective~~	
Internship (2 credits)				**Internship** ~~**(2 credits)**~~ **(3 credits)**			
ELRN	794	Internship in E-Learning	2	ELRN	594	**Internship in E-Learning**	3
Total number of hours required for major, minor, or specialization				Total number of hours required for major, minor, or specialization			
Total number of hours required for degree			35	Total number of hours required for degree			30

7. Explanation of the Change:

When the COVID-19 pandemic forced P-12 schools to remote learning in spring 2020, teachers throughout the region who are graduates of Northern State University education programs tapped into their expertise in educational technology, gleaned from core courses in their undergraduate programs, to serve as leaders in the transition to remote learning. This allowed continuity of instruction and learning to South Dakota students with diverse backgrounds and levels of technological access.

The NSU Center for Statewide E-Learning and the Millicent Atkins School of Education quickly mobilized to provide resources and leadership to P-12 teachers throughout the region. Within weeks of the pandemic onset, a team of master teachers at the NSU Center for Statewide E-Learning designed and distributed learning materials for all South Dakota high school teachers and students. These resources were incredibly valuable to SD high schools while in a remote learning environment (see https://www.northern.edu/news/nsu-e-learning-center-fills-need-south-dakota-students-teachers and https://www.northern.edu/hs-teaching-learning-resources). Concurrently, undergraduate teacher candidates at NSU created content and launched the online Wolves Academy to provide remote learning content for elementary grade levels, free of charge (see https://www.northern.edu/news/wolves-academy-provides-online-lessons-area-children).

Global instability to P-12 education from pandemics, climate change, hazards (including flooding and hurricanes) is growing, and Northern State University's MSEd in Instructional Design in E-Learning prepares teachers to successfully integrate or pivot to remote learning. The Millicent Atkins School of Education and the NSU Center for Statewide E-Learning are partnering in this major program modification to the MSEd in Instructional Design in E-Learning. All students pursuing this MSEd program will to intern at the E-Learning Center, ensuring a valuable hands-on experience. Undergraduate teacher candidates and graduate students in the program will work in the Center with master teachers who have years of experience and expertise in delivering remote education to students with diverse backgrounds and varying technological access.

Instructional Design in E-Learning is at the core of the missions of both Northern State University and the Center for Statewide E-Learning mission. The mission of Northern State University (SDCL 13-59-1) is to offer "**graduate** and undergraduate **programs in education to promote excellence in teaching and learning**, to support research, scholarly and creative activities, and to provide service to the State of South Dakota, the region, and the nation." The mission of the NSU Center for Statewide E-Learning states:

"In 2001, **the Board of Regents approved a special emphasis on E-learning for the NSU curriculum and for service to the state**. This special emphasis resulted in the formation of the NSU Center for Statewide E-learning to serve all levels of South Dakota's educational system: K-12 schools through distance delivery of DDN/Internet-based high school courses and K-8 enrichment activities; undergraduate students through a broad range of academic and professional programs incorporating multi-media and distance delivery technologies; and graduate students **through Masters degrees in distance education** and interactive instructional technologies. These programs strive to educate graduates to be creative and productive participants in modern workplaces where interactive, multi-media technologies are significantly changing the nature of most jobs." [emphases added.]

To serve the needs of the 21st Century teacher and considering the pivot to remote/online instruction at all levels of education because of the COVID-19 pandemic, NSU re-imaged the MSEd in Instructional Design in E-Learning to prepare teachers and administrators to effectively and equitably deliver P-12 education remotely, whether temporarily in response to catastrophic events or holistically as part of an ongoing curriculum. The University's revised MSEd in Instructional Design in E-Learning will be accessible to every undergraduate education major, from elementary education, to physical education, to English or Biology secondary education.

The 30-credit program can be completed two ways:
1. Accelerated: The 30-credit program includes 12 credits (ELRN 535, ELRN 510, ELRN 585, ELRN 594) taught at the 400/500 level, including an internship with the Center for Statewide E-Learning, that students can take in their senior year as part of their major program or as an elective. The remaining 18 credits of the program can be taken online or face to face, either in one year on campus or remotely after completing the undergraduate curriculum.
2. Online: The 30-credit program will be fully available online, with the 3-credit internship in E-Learning also available online. Graduate students who complete the internship requirement online will work with NSU Center for Statewide E-Learning teachers who teach remotely themselves.

The Millicent Atkins School of Education is hiring an Assistant Professor of E-Learning, with the advertisement posted in fall 2020. The major program modification to the MSEd in Instructional Design in E-Learning is a sustainable curriculum, including 6 courses regularly taught at NSU already (400/500 and 700 level courses), one internship with the Center for Statewide E-Learning, and 3 revised courses that will be taught by the new professor.

The South Dakota Department of Education and the State of South Dakota no longer require the Human Relations course at the undergraduate level. This course will be replaced in all undergraduate education programs at Northern State University with ELRN 435/535 – Principles of Instructional Design, recognizing that instructional design will be increasingly important in teaching and learning in P-12 education, as global instabilities arise.

The University plans to develop a graduate certificate in E-Learning and Instructional Design (9-12 credits) that will include courses in this MSEd. The MSEd in Instructional Design and E-Learning will provide knowledge of learning theory and experience in instructional design and educational technology. The curriculum integrates nationally recognized standards for excellence in remote teaching and learning. Students will learn design, development, and evaluation of educational programs and instructional materials. The program incorporates a practical internship with master teachers in the Center for Statewide E-Learning with active, applied learning experiences. Teacher candidates will

master the technical, pedagogical, and project and program management skills to successfully develop and implement engaging learning experiences in remote environments.

Program Outcomes:
- Understand contemporary learning theories to develop remote learning experiences
- Investigate factors influencing access to education and design instructional and training interventions to provide equitable access to education.
- Select, evaluate or design digital media to support learning
- Identify, evaluate, and integrate emerging technologies to support remote learning
- Apply data analysis techniques to the design and evaluation of learning experiences
- Employ effective communication strategies in instructional design
- Apply current research and theory to the practice of instructional design and learning technology integration.