

PLEASE TYPE

Ph.D. in Education Program of Study

Program plan for Kimberlie Fair

 Summer 2015

(First Semester in Program)

Core Courses (30 credits which includes 12 dissertation credits)

1. General Culture (3)

EDUC 800 (3) Ways of Knowing

2. Research Methods (15)

EDRS 810 (3) Problems and Methods in Education Research

EDRS 811 (3) Quantitative Methods in Educational Research

EDRS 812 (3) Qualitative Methods in Educational Research

EDRS 797 (3) Intro to Measurement and Survey Development

EDIT 803 (3) Design Based Research

3. Specializations (36)

Distribution of credits among specializations is based on size of program. Advisors must contact the Ph.D. in Education office for clarification.

All 36 credits in specialization with the exception of 9-credit reduction (see below) must be at the 800- level or above.

Primary Specialization (18-24): Mathematics Education Leadership

1. EDCI 855 (3) Mathematics Education Research

2. EDCI 856 (3) Mathematics Education Curriculum Design/Eval

3. EDCI 857 (3) Preparation/Prof Dev of Mathematics Teacher

4. EDCI 858 (3) Mathematics Education Design and Research Eval

5. EDUC 896 (3) Current Issues in Mathematics Ed and STEM Research

6. EDUC 897 (3) Independent Study

EDUC 994 (3) Advanced Internship in Education (may be taken as a specialization course)

Secondary Specialization (12-18): Learning Technologies Design Research

1. EDIT 895 (3) Emerging Trends in Learning Technology

2. EDIT 891 (3) Design Research Practicum

Upon permission of advising committee, student may receive a 9 credit reduction based on applicable Master's coursework. Please indicate course numbers and titles.

1. EDIT 730 (3) Advanced Instructional Design

2. EDIT 732 (3) Analysis/Design Technology Based Learning Environments

3. EDIT 752 (3) Design/Implementation of Technology Based Learning Environments

4. Dissertation Proposal and Research (12)

Upon successful completion of all coursework (core and specialization), and comprehensive portfolio assessment, students are advanced to candidacy and enroll in EDUC 998.

EDUC 998 (3) Doctoral Dissertation Proposal

EDUC 999 (9) Doctoral Dissertation Research

PROPOSED DATE FOR COMPREHENSIVE PORTFOLIO ASSESSMENT:

August 2018

PROGRAM RATIONALE (please review the Program Guidelines for directions):

My goal is to gain the knowledge and the competencies necessary to serve the mathematics education community from a position of both experience and deep understanding. I wish to conduct research on how technology has contributed, and may possibly contribute to mathematics education research and practice.

The core courses will provide an understanding of methods used for and approaches to education research. My research will use a design based research methodology (EDIT 803, EDIT 703, EDIT 732, EDIT 752, EDIT 891) in the development of a technology based intervention. This methodology incorporates both quantitative (EDRS 812, EDRS 797) and qualitative (EDRS 812) methods as needed to inform the iterative development of the intervention.

The courses of my specialization will allow me to investigate and explore historic methods and foundational frameworks in the field (EDCI 855, EDCI 858), the nature and processes of curriculum development (EDCI 856), and how teachers are prepared and supported in educational communities (EDCI 858). The current issues course (EDUC 896) combined with the learning technology design courses (EDIT 895, EDIT 891) will allow me to look closely at the impact and affordances that technology may provide to teaching and learning.

Kimberly Tai 5/2/18
Student Signature Date

J. M. Clark 5-8-18
Chair Date
Doctoral Advising Committee

Margret Hjalmanson, Director Date
PhD in Education Program

Kevin Clark 5-2-18
Member Date
Doctoral Advising Committee
(secondary specialization)

E. Clark 2 May 18
Member Date
Doctoral Advising Committee