

4/27/16

### CHANGE DOCTORAL DEGREE PROGRAM FORM

#### GENERAL INFORMATION

College: College of Education Department: Educational, School, & Counseling  
Psychology and Educational Policy Studies & Evaluation

Current Major Name: Educational Sciences Proposed Major Name: \_\_\_\_\_

Current Degree Title: PhD Proposed Degree Title: \_\_\_\_\_

Current Formal Option(s): - Curriculum and Instruction  
- Educational Leadership  
- Educational Policy Studies  
- Evaluation and Policy  
- Educational Policy Studies  
- Philosophical and Cultural Inquiry  
- Health Education  
- Physical Education  
- STEM Education

Proposed Formal Option(s): \_\_\_\_\_

Keep existing options but add - Quantitative and Psychometric Methods

Current Specialty Fields w/in Formal Option: \_\_\_\_\_ Proposed Specialty Fields w/in Formal Option: \_\_\_\_\_

Date of Contact with Associate Provost for Academic Administration<sup>1</sup>: 11/24/2015

Bulletin (yr & pgs): 2014-2015 & p. 12 CIP Code<sup>1</sup>: 13.0601 Today's Date: 11/24/2015

Accrediting agency (if applicable): SACS (Southern Association of Colleges and Schools)

Requested Effective Date:  Semester following approval.  Specific Date<sup>2</sup>: 5/15/2016

Dept Contact Person: Michael Toland or Kelly Bradley or Rob Shapiro Phone: 257-3395 or 257-4923 or 257-9795 Email: toland.md@uky.edu or kdbrad2@uky.edu or rshap01@uky.edu

#### CHANGE(S) IN PROGRAM REQUIREMENTS

	<u>Current</u>	<u>Proposed</u>
1. Number of transfer credits allowed: <small>When a student transfers credits from another institution, the student must receive approval from the department chair and the associate provost for academic administration.</small>	_____	_____
2. Residence requirement: <small>When a student transfers credits from another institution, the student must receive approval from the department chair and the associate provost for academic administration.</small>	_____	_____
3. Language(s) and/or skill(s) required:	_____	_____
4. Provisions for monitoring progress and termination criteria:	_____	_____
5. Total credit hours required:	_____	_____

1. The date of contact with the associate provost for academic administration is the date that the department chair and the associate provost for academic administration have discussed the proposed change to the program requirements. This date is not the date that the department chair and the associate provost for academic administration have signed the form.

2. The specific date is the date that the student is expected to begin the program. This date is not the date that the student is expected to complete the program.

CHANGE DOCTORAL DEGREE PROGRAM FORM

- 6. Required courses: \_\_\_\_\_
- 7. Required distribution of courses within program: \_\_\_\_\_
- 8. Minor area or courses outside program required: \_\_\_\_\_
- 9. Distribution of courses levels required (400G-500/600-700): \_\_\_\_\_
- 10. Qualifying examination requirements: \_\_\_\_\_

11. Explain whether the proposed changes to the program (as described in numbers 1 through 10) involve courses offered by another department/program. Routing Signature Log must include approval by faculty of additional department(s).

The proposed changes affect the Interdisciplinary PhD in Educational Sciences for the newly proposed concentration in Quantitative and Psychometric Methods. No other concentrations within Educational Sciences are involved, nor are any departments affected by the changes. The courses already included are offered already. A new course EDP/EPE 712 is also being submitted that is part of this degree strand.

12. Other requirements not covered above:

\_\_\_\_\_

13. What is the rationale for the proposed changes? If the rationale involves accreditation requirements, please include specific references to those requirements.

Currently the Interdisciplinary PhD in Education Sciences does not offer a concentration in Quantitative and Psychometric Methods (QPM). This concentration has great potential to attract graduate students not only across the UK campus but also from surrounding states. Overall, there is an increasing need for advanced quantitative and psychometric methodologists at various institutions in this information age. This concentration will prepare our graduate students to be competitive in the job market and give them a legitimate degree title which students desire, employers understand, and funding agencies expect to see on grant applications. Students with this degree option will be able to pursue currently in-demand careers as a quantitative and psychometric research methodologist in any research facilities at universities, non-profit and for profit institutions, and government and professional organizations and as a faculty member in a program offering degrees in quantitative methods. Students within this degree option are trained in modern quantitative and psychometric research methods and focus on research that develops, compares, applies, and teaches such techniques.

**CHANGE DOCTORAL DEGREE PROGRAM FORM**

Signature Routing Log


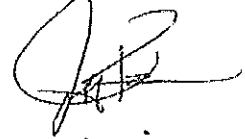
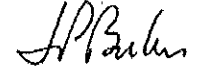
**General Information:**

Proposal Name: Interdisciplinary PhD in Educational Sciences (New Option = Quantitative and Psychometric Methods)  
 Proposal Contact Person Name: Michael Toland Phone: 257-3395 Email: toland.md@uky.edu

**INSTRUCTIONS:**

Identify the groups or individuals reviewing the proposal; note the date of approval; offer a contact person for each entry; and obtain signature of person authorized to report approval.

**Internal College Approvals and Course Cross-listing Approvals:**

Reviewing Group	Date Approved	Contact Person (name/phone/email)	Signature
Director of Graduate Studies, Education Science	12/11/15	Robert Shapiro / 257-9795 / rshap01@uky.edu	
Chair, Dept of Educational, School, & Counseling Psychology	12/08/15	Jeff Reese / 257-4949 / jeff.reese@uk.edu	
Chair, Dept of Educational Policy Studies & Evaluation	12/9/15	Jeff Bieber / jpbieb01@uky.edu /	
		/ /	
		/ /	

**External-to-College Approvals:**

Council	Date Approved	Signature	Approval of Revision <sup>3</sup>
Undergraduate Council			
Graduate Council			
Health Care Colleges Council			
Senate Council Approval		University Senate Approval	

**Comments:**

\_\_\_\_\_

<sup>3</sup> Councils use this space to indicate approval of revisions made subsequent to that council's approval, if deemed necessary by the revising council.

**Interdisciplinary Ph.D. in Education Sciences**  
**College of Education, University of Kentucky**

**Program Plan and Curriculum Sheet**

Name of student: \_\_\_\_\_ UK-ID#: \_\_\_\_\_

Contact information

Local mailing address: \_\_\_\_\_

\_\_\_\_\_

Local telephone: \_\_\_\_\_ E-mail: \_\_\_\_\_

Preliminary advisor (prior to formation of doctoral committee): \_\_\_\_\_

Doctoral committee members:

Name	Role	Department	Graduate Faculty Status

Progression through the program:

Date admitted to program: \_\_\_\_\_  
Semester coursework began: \_\_\_\_\_  
Date passed qualifying exam: \_\_\_\_\_  
Date dissertation proposal approved: \_\_\_\_\_  
Date of successful dissertation defense: \_\_\_\_\_

Program Identifiers and Codes:

College: GS  
Major: EDSC  
Degree: PHD  
CIP code: 13.0601

Attachments:

Students are required to attach: 1) A statement of professional goals, 2) curriculum vita, and 3) proposed semester-by-semester plan for full-time study that lists all required courses.

A program approval page must appear at the end of this program plan. Signatures from all committee members, the Director of Graduate Studies, and the student are required in order for this program plan to be in effect.

### **Common Core: Required Courses**

Research Methods and Statistics Core: 12 hours of statistical methods to include a minimum of 3 hours of qualitative and 3 hours of quantitative analysis. A total of nine hours must be chosen from either group A and B below. Three additional hours of advanced study are to be selected by the advisory committee to meet the specific research and statistical training needs of the student. This grouping is designed to insure fundamental understanding of research methods, quantitative and qualitative methods. Additional advanced courses can be taken in discipline specific strands.

A\*. Quantitative courses (3-6 hours): EDP656, EDP/EPE 660, EDP 707, EPE 619, EPE/EDP 620, EPE/EDP 621, EPE 679 or additional advanced courses determined by student's committee

B\*. Qualitative courses (3-6): EPE 663, EPE 763 or additional advanced courses determined by the student's committee

C. Advanced course determined by advisory committee (3 hours)

\*Areas A + B must be taken for a combined total of 9 hours with a minimum of 3 hrs in each area.

### **Advanced Strands: Descriptions and Required Courses**

Each EDSC Ph.D. student is required to complete one advanced strand. Please indicate the strand to be completed and attach the corresponding page listing required courses for that strand.

- Curriculum and Instruction
- Educational Leadership
- Educational Policy Studies—Evaluation and Policy
- Educational Policy Studies—Philosophical and Cultural Inquiry
- Health Education
- Physical Education
- Quantitative & Psychometric Methods
- STEM Education

**DOCTORAL DEGREE PROGRAM OF STUDY IN Quantitative & Psychometric Methods (QPM)**

Name: \_\_\_\_\_ Date entered program: \_\_\_\_\_  
 Email address: \_\_\_\_\_ UKID Number: \_\_\_\_\_

**ADVISORY COMMITTEE**

Role	Name	Department	Date Appointed*
Committee Chair			
Member 2			
Member 3			
Member 4			

\*Note: The advisory committee should be formed by the fourth semester of study and one year prior to sitting for qualifying exams. The advisory committee should consist of at least two faculty in the area of quantitative and psychometric methods.

**PROGRESS TOWARD DEGREE COMPLETION**

Requirement	Anticipated Completion Date	Date Completed	Progress Notes
Coursework			
Dissertation Defense			

**COMMITTEE MEETING DATES** (list all live committee meetings held; live meetings can take place in person or by phone or videoconference)

Date Held/Scheduled	Purpose of Meeting	Outcome

## COURSE WORK: PROGRAM OF STUDY for INTERDISCIPLINARY PHD IN EDUCATION SCIENCES: QUANTITATIVE AND PSYCHOMETRIC METHODS

Prefix (* = req.)	Course Name	Semester (to be) Completed	Grade	Instructor
-------------------	-------------	-------------------------------	-------	------------

Note. A course may only count towards one core.

A course may be replaced or substituted upon committee approval.

A grade of B or higher must be earned in all courses.

Maximum of 6 hours at 500-level can be counted towards degree.

\*Common Research Methods and Statistics Core (12 hours)

\*Group A. Quantitative Courses (3-6 hours)

EDP 656	Methodology of Educational Research
EDP/EPE 660	Research Design and Analysis in Education
EDP/EPE 707	Multivariate Analysis in Educational Research
EPE 619	Survey Research
ANT/EDP/EDP620/SOC 622	Introduction to Evaluation
ANT/EDP/EPE 621	Advanced Methods in Evaluation
EDP/EPE 679	Introduction to Measurement Theory & Techniques

\*Group B. Qualitative Courses (3-6 hours)

EPE 663	Field Studies in Educational Settings
EPE 763	Advanced Topics and Methods of Evaluation
EPE 669	Oral History

\*Group C. Advanced course determined by advisory committee (3 hours – course needs to be either Quantitative or Psychometric as approved by student's committee)

### ADVANCED STRAND: QUANTITATIVE AND PSYCHOMETRIC METHODS

\*Interdisciplinary Core (6 hours)

EDP 548	Educational Psychology
EDP 616	Multicultural Psychology
EDP 600	Human Lifespan Development
EDP 603	Human Cognitive Development
EDP 610	Theories of Learning in Education
EPE 602	Social Policy Issues in Education
EDP 614	Motivation and Learning
EPE 555	Comparative Education
EPE 602	Social Policy Issues and Education
EPE 670	Policy Issues in Higher Education
EDP 678	Economics of Higher Education
EPE 798	Diversity in Higher Education
EPE 797	Historical Research on Education

\*Quantitative and Psychometric Methods (QPM) Core (18 additional hours of QPM courses are required beyond the common research methods and statistics core)

Courses may be substituted based on committee approval.

Students need to specify primary emphasis as Quantitative Methods or Psychometric Methods

#### Primary emphasis

\*Group A: Quantitative Methods (at least 12 hours for primary emphasis)

EDP/EPE 660	Research Design and Analysis in Education
EDP/EPE 707	Multivariate Analysis in Educational Research
EDP/EPE 711	Advanced Quantitative Methods (can be repeated up to 12 hours; minimum 6 hours)
EPE 773/EDP 778	Seminar (appropriate to Quantitative Methods; can be repeated up to a maximum of 6 hours)

EDP 782/EPE 785	Independent Study (can be repeated up to a maximum of 6 hours)
EDP 708/EPE 790	Internship
<b>*Group B: Psychometric Methods (at least 12 hours for primary emphasis)</b>	
EDP/EPE/EDC 522	Psychological & Educational Tests & Measurement
EDP/EPE 679	Introduction to Measurement Theory & Techniques
EDP/EPE 712	Advanced Psychometric Methods (can be repeated up to 12 hours; minimum 6 hours)
EPE 773/EDP 778	Seminar (appropriate to Psychometric Methods; can be repeated up to a maximum of 6 hours)
EDP 782/EPE 785	Independent Study (can be repeated up to a maximum of 6 hours)
EDP 708/EPE 790	Internship
<hr/>	
<b>*Qualifying Exam and Dissertation (2 hours per semester, repeat as needed)</b>	
EDP/EPE 767	Dissertation Residency Credit
<hr/>	