



FACULTY SENATE

December 15, 2015

MEMORANDUM

TO: Michael K. Young, President
FROM: Bob Strawser, Speaker Bob
SUBJECT: Graduate Council (FS.33.123)

The Faculty Senate submits for your approval the item from the Graduate Council at its regular meeting on December 14, 2015. Attached is a copy of the material sent to our Senators.

Curriculum Change Request

College of Education and Human Development
Department of Health and Kinesiology
Education and Social Sciences Advanced Research Methods Certificate

FACULTY SENATE AGENDA ITEM REVIEW

cc: Karan Watson
Michael Benedik
Blanca Lupiani
Sandra Williams
Joyce Alexander

This item has been reviewed by the Office of the Provost (OP). Below are recommended action(s): FS.33.123

Table with 2 columns: Presidential Action and OP Recommended Action. Includes checkboxes for Recommend Approval, Review Only, Hold for Further Review, System Review/Submission, BOR Approval, THECB Approval/Notification, and SACSCOC Approval/Notification.

Approved: [Signature] Reviewed:

Michael K. Young

Date 2/1/16



# Texas A&M University

## Request for a Change in Curriculum

### Undergraduate ♦ Graduate ♦ Professional




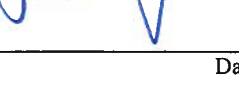
1. Program request type:  Undergraduate  Graduate  First Professional (ex., DVM, JD, MD, etc.)
2. Request change for:  Degree Program  Minor  Certificate
3. Request submitted by (Department or Program Name): College of Education and Human Development
4. Program Designation and Name  
(e.g., B.A. in History, Minor in History, Certificate in European Union): Education and Social Sciences Advanced Research Methods Certificate
5. Brief description of change:  
Remove the three EDCI 689 courses currently listed.  
Add the following courses: EPSY 637, EPSY 650, EPSY 652, EPSY 653, EPSY 654, EPSY 655, EPSY 656, EDCI 628, EHRD 690 (Statistics III), and HLTH 689.
6. Rationale for change:  
The previous courses offerings were largely dates, included many 689 courses, and did not include many of the advanced statistics and research methods courses the college currently offers.

Use the checkboxes below to make sure that all information is included.

7. a. Proposed curriculum attached.  Yes  No
- b. Current catalog curriculum with handwritten edits attached.  Yes  No
- c. Current Howdy degree evaluation with handwritten edits attached.  Yes  No
- Please make sure the attached proposed curriculum, catalog and Howdy degree evaluation match.*
8. a. Will degree program hours change (increase/decrease) due to the proposed curriculum changes?  Yes  No
- b. If yes, degree program hours will change from: \_\_\_\_\_ to: \_\_\_\_\_
- c. If yes, is the Texas Higher Education Coordinating Board form attached?  Yes  No  
<http://www.theccb.state.tx.us/index.cfm?objectId=A0F9F7FA-9A92-4F11-2756AD3BBFF01D60>
9. If proposed changes affect other unit(s), are letters of support attached?  Yes  No

**IMPORTANT NOTE:** Curriculum changes submitted through the approval process and **fully approved** by February (December-UCC/GC, January-Faculty Senate, February-President) will be effective in the next academic year. Changes requiring approval beyond the University should complete the internal approval process early in the fall semester whenever possible in order to ensure timely implementation.

Approval recommended by:

<p><u>George Cunningham</u>  10/14/15 Department Head or Program Chair (Type Name &amp; Sign) Date</p>	<p><u>George Cunningham</u>  10/14/15 Dean of College Date</p>
<p><u>George Cunningham</u>  10/14/15 Chair, College Review Committee Date</p>	<p><u>George Cunningham</u>  10/14/15 Chair, GC or UCC Date</p>

RECEIVED

OCT 16 2015




TEXAS A&M  
UNIVERSITY

GRADUATE STUDIES

October 14, 2015

MEMORANDUM

TO: Graduate Council

FROM: George B. Cunningham, PhD   
Associate Dean, College of Education and Human Development

RE: Proposal for Change in Curriculum to the Education and Social Sciences  
Advanced Research Methods (ARM) Certificate

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Attached, please find the paperwork for revising the courses required for the Educational and Social Sciences Advanced Research Methods (ARM) certificate. The Graduate Instruction Council in the college voted to:

1. Remove several courses from the list, all of which were listed as 689 at the time the certificate was approved
  - a. EDCI 689: Special topics in... (Advanced Research Methods in EDCI)
  - b. EDCI 689: Special topics in... (Advanced Research Methods in Qualitative Research)
  - c. EDCI 689: Special topics in... (Models and Methods of Curriculum Evaluation)
2. Add several courses from which students can choose in order to satisfy the certificate requirements. All of the courses focus on advanced analytical or methodological concepts:
  - a. EPSY 637: Qualitative Grounded Theory Methodologies
  - b. EPSY 650: Multiple Regression and other Linear Models in Education Research
  - c. EPSY 652: Theory of hierarchical Linear Models
  - d. EPSY 653: Advanced Structural Equation Modeling
  - e. EPSY 654: Longitudinal Data Analysis
  - f. EPSY 655: Item Response Theory
  - g. HLTH 689: Special topics in... (System Thinking and Complexity in Population Health)
  - h. EDCI 628: Analyzing and Reporting Field Based Research
  - i. EDCI 688: Research Methods in EDCI III
  - j. EHRD 690: Theory of Educational Human Resource Development Research (Part III)

We appreciate your consideration. Please contact us should you require additional information.

# Education and Social Sciences Advanced Research Methods (ARM) - Certificate

Offered by the College of Education and Human Development (CEHD), a Graduate Certificate in Education and Social Sciences Advanced Research Methods allows students in the College of Education and Human Development to add to their degree's minimum requirements for training in research methodology. The Certificate testifies to a student's successful mastery of advanced competencies in education and social sciences research methods, with emphasis on quantitative or qualitative approaches. The Certificate requires 12 hours of advanced research methods courses, identified as such by the CEHD's Research Certificate Committee. Enrollment in these advanced courses will require the completion of established prerequisites (designated in the *Texas A&M University Graduate and Professional Catalog*) and/or the approval of the course instructor and the student's dissertation committee chair/faculty advisory. As part of the certificate completion requirements, students will provide evidence of submission of a manuscript for publication as the main author, or as a co-author. As a first step in applying for the Certificate, graduate students should contact their dissertation or program Chair(s).

## Educational Administration & Human Resource Development

EDAD 623	Advanced Fieldwork Methods	3
EHRD 656	Narrative Analysis	3
EHRD 657	Life History Research	3

## Educational Psychology

EPSY 625	Advanced Psychometric Theory	3
EPSY 642	Meta-Analysis of Behavioral Research	3
EPSY 643	Applied Multivariate Methods	3
EPSY 651	Theory of Structural Equation Modeling	3

## Program Requirements

### Certificate Requirements

Select 4 advanced Quantitative or Qualitative (or mixed methods) Research Methods Courses 12

Required for Completion: Evidence of submission of an article, for publication in a peer-reviewed journal, as main author or co-author

### Current Research Methods Requirements by Departmental Programs for Ph.D. Degrees

Department/Program	Minimum Research Methods Requirement in credit hours
Teaching, Learning and Culture	15 hours
Educational Administration and Human Resource Development	18 hours
Educational Psychology	15 hours
Health and Kinesiology	9-18 hours

### CEHD Courses Approved for Certificate

#### Teaching, Learning and Culture

EDCI 627	Teaching and Learning Data Analysis and Uncertainty Concepts	3
<del>EDCI 669</del>	<del>Special Topics in... (Advanced Research Methods in EDCI)</del>	<del>3</del>
<del>EDCI 689</del>	<del>Special Topics in... (Advanced Research Methods in Qualitative Res)</del>	<del>3</del>
<del>EDCI 689</del>	<del>Special Topics in... (Models and Methods of Curriculum Evaluation)</del>	<del>3</del>
EDCI 661	Mixed Methods Research in Curriculum and Instruction	3

## **Education and Social Sciences Advanced Research Methods Certificate**

### **Deleted Courses:**

EDCI 689: Special topics in... (Advanced Research Methods in EDCI)

EDCI 689: Special topics in... (Advanced Research Methods in Qualitative Research)

EDCI 689: Special topics in... (Models and Methods of Curriculum Evaluation)

### **New Courses:**

EPSY 637: Qualitative Grounded Theory Methodologies

EPSY 650: Multiple Regression and other Linear Models in Education Research

EPSY 652: Theory of hierarchical Linear Models

EPSY 653: Advanced Structural Equation Modeling

EPSY 654: Longitudinal Data Analysis

EPSY 655: Item Response Theory

HLTH 689: Special topics in... (System Thinking and Complexity in Population Health)

EDCI 628: Analyzing and Reporting Field Based Research

EDCI 688: Research Methods in EDCI III

EHRD 690: Theory of Educational Human Resource Development Research (Part III)

## Education and Social Sciences Advanced Research Methods (ARM) – Certificate

### Overview

Offered by the College of Education and Human Development (CEHD), a Graduate Certificate in Education and Social Sciences Advanced Research Methods allows students in the College of Education and Human Development to add to their degree's minimum requirements for training in research methodology. The Certificate testifies to a student's successful mastery of advanced competencies in education and social sciences research methods, with emphasis on quantitative or qualitative approaches. The Certificate requires 12 hours of advanced research methods courses, identified as such by the CEHD's Research Certificate Committee. Enrollment in these advanced courses will require the completion of established prerequisites (designated in the *Texas A&M University Graduate and Professional Catalog*) and/or the approval of the course instructor and the student's dissertation committee chair/faculty advisory. As part of the certificate completion requirements, students will provide evidence of submission of a manuscript for publication as the main author, or as a co-author. As a first step in applying for the Certificate, graduate students should contact their dissertation or program Chair(s).

### Certificate Requirements

Select 4 advanced Quantitative or Qualitative (or mixed methods) Research Methods Courses (12 hours)

Required for Completion: Evidence of submission of an article, for publication in a peer-reviewed journal, as main author or co-author.

### Current Research Methods Requirements by Departmental Programs for PhD Degrees

Department/Program	Minimum Research Methods Requirement in credit hours
Teaching, Learning, and Culture	15 hours
Educational Administration and Human Resource Development	18 hours
Educational Psychology	15 hours
Health and Kinesiology	9-18 hours

### CREHD Courses Approved for Certificate

#### Educational Administration and Human Resource Development

EDAD 623	Advanced Fieldwork Methods	3
EHRD 656	Narrative Analysis	3
EHRD 657	Life History Research	3
EHRD 690	Theory of Educational Human Resource Development Research (Part III)	3

### **Educational Psychology**

EPSY 625	Advanced Psychometric Theory	3
EPSY 637	Grounded Theory Methodology	3
EPSY 642	Meta-Analysis of Behavioral Research	3
EPSY 643	Applied Multivariate Methods	3
EPSY 650	Multiple Regression and Other Linear Models in Education Research	3
EPSY 651	Theory of Structural Equation Modeling	3
EPSY 652	Theory of hierarchical Linear Models	3
EPSY 653	Advanced Structural Equation Modeling	3
EPSY 654	Longitudinal Data Analysis	3
EPSY 655	Item Response Theory	3

### **Health and Kinesiology**

HLTH 689	Special topics in... (System Thinking and Complexity in Population Health)	3
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### **Teaching, Learning and Culture**

EDCI 627	Teaching and Learning Data Analysis and Uncertainty Concepts	3
EDCI 628	Analyzing and Reporting Field Based Research	3
EDCI 661	Mixed Methods Research in Curriculum and Instruction	3
EDCI 688	Research Methods in EDCI III	3