Name: Anna Luci Wymer Submission Date: 11/10/2014

Organization: Admin Affairs & Graduate Education

Course Catalog Update

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Course Catalog Update Information: **STU0004**

Reference Number: CCU007721 **Date:** 10-OCT-14

Level: 2.00 **of** 2.00 **Currently On The Worklist Of:** Catherine Hackney, chackne1

Owner: Office of Curriculum Services, 330-672-8558 or 330-672-8559, curriculum@kent.edu

Basic Course Data		
Change type: Revise		
Faculty member submitting this proposal: Tricia Niesz		
Requested Effective Term: 201580		
Campus: Kent		
College: EH-Education, Health and Human Services		
Department: FLA-Foundations, Leadership and Administration		
Course Subject: EVAL-Evaluation and Measurement		
New Course Subject:		
Course Number: 68711		
New Course Number:		
Course Title: MODERN TEST THEORY: ITEM RESPONSE THEORY		
Title Abbreviation: ITEM RESPONSE THEORY		
Slash Course and Cross-list Information: EVAL 68711 + EVAL 78711		
Credit Hours		
Minimum Credit / Maximum Credit: 3 to 3		
Contact Hours: Lecture - Minimum Hours / Maximum Hours: 3 to 3		
Contact Hours: Lab - Minimum Hours / Maximum Hours:		
Contact Hours: Other - Minimum Hours / Maximum Hours:		
Attributes		
Is this course part of the LER, WIC or Diversity requirements: No		
If yes, course attributes: 1. 2. 3.		
Can this course be repeated for credit: No Repeat	**Course Limit:**	**OR Maximum Hours:**
Course Level: Graduate	**Grade Rule:** B-Standard letter	
Rationale for an IP grade request for this course (if applicable):		
Schedule Type(s): 1. LEC-Lecture 2. 3.		
Credit by Exam: N-Credit by exam-not approved		
Prerequisites & Descriptions		
Current Prerequisite / Corequisite / Catalog Description: (Cross-listed with EVAL 78711) The primary objective of the course is to provide students with knowledge and skills necessary to use item response theory methods and to organize, manipulate, analyze and interpret data from IRT applications. Some of the popular IRT computer programs are introduced. Prerequisite: Graduate standing; EVAL 65510 and 68710.		
Catalog Description (edited): The primary objective of the course is to provide students with knowledge and skills necessary to use item response theory methods and to organize, manipulate, analyze and interpret data from IRT applications. Some of the popular IRT computer programs are introduced.		
Prerequisites (edited): Prerequisite: Graduate standing; EVAL 65510		
Corequisites (edited):		
Registration is by special approval only: No		
Content Information		
Content Outline:		

Content Hours per Course Topic	Topic Description
3	Introduction and limitations of classical measurement models
3	IRT concepts, models and features
3	Ability and item parameter estimation
3	Assessment of model-data fit
3	The ability scale
3	Item and test information and efficiency functions
3	Test construction
3	IRT methods for detecting differential item functioning (DIF)
6	Interpretation of IRT software outputs
3	IRT methods of test score equating
3	Computerized adaptive testing
3	A Rasch model for partial credit scoring
3	Linear logistic latent trait model (LLTM)
3	Summary and practical applications of IRT software

Display/Hide Delimited Course Outline

Total Contact Hours: 45

Textbook(s) used in this course: Bond, T.G., & Fox, C.M. (2007). Applying the Rasch Model: Fundamental Measurement in the Human Sciences (2nd ed.). Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Writing Expectations: Master's degree students have 3 homework assignments, 1 paper, and one project. Ph.D. students in the cross-listed course have two extra short papers.

Instructor(s) expected to teach: Dr. Aryn Karpinski

Instructor(s) contributing to content: Mr. Eddie Bolden and Dr. Aryn Karpinski

Proposal Summary

Explain the purpose for this proposal:

The purpose of this proposal is to remove a prerequisite for this course, leaving only one prerequisite. The prerequisite we propose to remove is no longer necessary. This course is only offered every two years, so instructors have made the course accessible to our students who are earlier in their coursework so that they do not miss the opportunity to take it. As such, the prerequisite is no longer necessary. We also took the opportunity of this proposal to update the textbook, writing expectations, and instructor.

Explain how this proposal affects program requirements and students in your unit:

No effects except that more of our students will be able to take this course.

Explain how this proposal affects courses, program requirements and student in other units:

No effects.

Explain how this proposal affects enrollment and staffing:

No effects except that more of our students will be able to take this course.

Units consulted (other departments, programs or campuses affected by the proposal):

Program faculty voted to approve this proposal (unanimous).

Revisions made to form (if applicable):

☐ Course Content	☐ Number
☐ Credit by Exam	☑ Prerequisites
☐ Credit Hours	☐ Schedule Type
☐ Cross-Listed / Slash	☐ Subject
☐ Description	☐ Title
☐ Diversity	☐ Title Abbreviation
☐ Grade Rule	☐ Writing-Intensive (WIC)
☐ Liberal Education Requirement (LER)	☑ Other

Comments (500 Character Maximum):

NOTE: Please do not use the following restricted characters: (~ * / \ --)

Approve | Return To Initiator | Return To Prior Approver | Deny

Comments:

Date	User	Comment
10/29/2014	Tricia Niesz-Kutsch	Other revisions: instructor, textbook, and writing expectations.

History:

Date	User	Status
10/29/2014	Mark A Kretovics	Approved
10/29/2014	Tricia Niesz-Kutsch	Submitted

Name: Anna Luci Wymer Submission Date: 11/10/2014

Organization: Admin Affairs & Graduate Education

Course Catalog Update

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Course Catalog Update Information: **STU0004**

Reference Number: CCU007722 **Date:** 10-OCT-14

Level: 2.00 **of** 2.00 **Currently On The Worklist Of:** Catherine Hackney, chackne1

Owner: Office of Curriculum Services, 330-672-8558 or 330-672-8559, curriculum@kent.edu

Basic Course Data		
Change type: Revise		
Faculty member submitting this proposal: Tricia Niesz		
Requested Effective Term: 201580		
Campus: Kent		
College: EH-Education, Health and Human Services		
Department: FLA-Foundations, Leadership and Administration		
Course Subject: EVAL-Evaluation and Measurement		
New Course Subject:		
Course Number: 78711		
New Course Number:		
Course Title: MODERN TEST THEORY: ITEM RESPONSE THEORY		
Title Abbreviation: ITEM RESPONSE THEORY		
Slash Course and Cross-list Information: EVAL 68711 + EVAL 78711		
Credit Hours		
Minimum Credit / Maximum Credit: 3 to 3		
Contact Hours: Lecture - Minimum Hours / Maximum Hours: 3 to 3		
Contact Hours: Lab - Minimum Hours / Maximum Hours:		
Contact Hours: Other - Minimum Hours / Maximum Hours:		
Attributes		
Is this course part of the LER, WIC or Diversity requirements: No		
If yes, course attributes: 1. 2. 3.		
Can this course be repeated for credit: No Repeat	**Course Limit:**	**OR Maximum Hours:**
Course Level: Graduate	**Grade Rule:** B-Standard letter	
Rationale for an IP grade request for this course (if applicable):		
Schedule Type(s): 1. LEC-Lecture 2. 3.		
Credit by Exam: N-Credit by exam-not approved		
Prerequisites & Descriptions		
Current Prerequisite / Corequisite / Catalog Description: (Cross-listed with EVAL 68711) The primary objective of the course is to provide students with knowledge and skills necessary to use item response theory methods and to organize, manipulate, analyze and interpret data from IRT applications. Some of the popular IRT computer programs are introduced. Prerequisite: doctoral standing; EVAL 75510 and 78710.		
Catalog Description (edited): The primary objective of the course is to provide students with knowledge and skills necessary to use item response theory methods and to organize, manipulate, analyze and interpret data from IRT applications. Some of the popular IRT computer programs are introduced.		
Prerequisites (edited): Prerequisite: doctoral standing; EVAL 75510		
Corequisites (edited):		
Registration is by special approval only: No		
Content Information		
Content Outline:		

Content Hours per Course Topic	Topic Description
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Total Contact Hours: 45

Textbook(s) used in this course: Bond, T.G., & Fox, C.M. (2007). Applying the Rasch Model: Fundamental Measurement in the Human Sciences (2nd ed.). Mahwah, NJ: Lawrence Erlbaum Associates, Inc.

Writing Expectations: Ph.D. students have 3 homework assignments, 2 short papers, 1 long paper, and 1 project. Master's degree students in the cross-listed course do not have the two short papers (just 3 homework assignments, 1 paper, and 1 project).

Instructor(s) expected to teach: Dr. Aryn Karpinski

Instructor(s) contributing to content: Mr. Eddie Bolden and Dr. Aryn Karpinski

Proposal Summary

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