KENT STATE UNIVERSITY

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: CCU007647   **Date:** 24-SEP-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: 68713
New Course Number:
Course Title: MULTIVARIATE ANALYSIS IN EDUCATIONAL RESEARCH
Title Abbreviation: MULTIVARIATE ANALYSIS
Slash Course and Cross-list Information: EVAL 68713 + EVAL 78713
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 78713) Objectives are to enable students to select and use multivariate methods appropriately, to develop knowledge/skills necessary to conduct multivariate analyses using various statistical packages (SPSS,SAS) and to develop knowledge and skills necessary for interpreting results of multivariate analysis. Prerequisite: Graduate standing; EVAL 65510; EVAL 78716 or 85515.
Catalog Description (edited): Objectives are to enable students to select and use multivariate methods appropriately, to develop knowledge and skills necessary to conduct multivariate analyses using various statistical packages (SPSS, SAS) and to develop knowledge and skills necessary for interpreting results of multivariate analysis.
Prerequisites (edited): 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 to matrix algebra
3	Hypothesis testing: Type I error, Type II error, Power
6	Multiple regression
3	Analysis of variance (ANOVA)
12	Multivariate analysis of variance (MANOVA)
6	Discriminant analysis
3	Multivariate factorial analysis of variance
3	Analysis of covariance
3	Factor analysis
3	Canonical correlation

Display/Hide Delimited Course Outline

Total Contact Hours: 45

Textbook(s) used in this course: Schumacker, R.E. & Lomax, R.G. (2010). A beginner's guide to structural equation modeling (3rd ed.). Routledge. And Raudenbush, S.W., & Bryk, A.S. (2002). Hierarchical linear models: Applications and data analysis methods (2nd ed.). Sage.

Writing Expectations: There are 4 homework assignments in the course. Within each assignment, doctoral students have two more questions to answer than the master's students. These two questions require in-depth discussion about the models and methods learned in class.

Instructor(s) expected to teach: Dr. Jian Li

Instructor(s) contributing to content: Dr. Jian Li

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 updated the writing expectations, instructor, and textbook.

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

There are no effects except that additional students will be able to take the course.

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

There are no effects.

Explain how this proposal affects enrollment and staffing:

There are no effects on staffing. This proposal will allow additional students to take the course because additional prerequisites have been removed.

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

Our program faculty unanimously approved this prerequisite change.

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

KENT STATE
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Course Catalog Update Information: **STU0004**

Reference Number: CCU007699   **Date:** 07-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

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Catalog Description (edited): Objectives are to enable students to select and use multivariate methods appropriately, to develop knowledge and skills necessary to conduct multivariate analyses using various statistical packages (SPSS, SAS) and to develop knowledge and skills necessary for interpreting results of multivariate analysis.
Prerequisites (edited): Prerequisite: doctoral standing; EVAL 75510
Corequisites (edited):
Registration is by special approval only: No
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Explain how this proposal affects program requirements and students in your unit:

No effects except for those effects on students who can now take the class earlier in their coursework.

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 enrollment in the course may increase due to students' ability to take it earlier in their coursework.

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

Our program faculty voted unanimously to remove the prerequisite.

Revisions made to form (if applicable):

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