Course Number: EAL 7793  
Course Title: Statistics  
Semester Hours: 3 Semester Hours  
Pre-requisite(s): EAL 7793 is restricted to students who are admitted to an NCATE approved EAL Certification program and already hold Class A Certification in Educational Leadership.

Approved Delivery Models:  
Course delivery is restricted to approved models. Additional models may be submitted for review through the College of Education process.  
- Full Semester  
- Compressed Semester  
- Face-to-face

Catalog Course Description:  
This course is a study of descriptive and inferential statistics commonly used in the literature of Educational Administration. Emphasis is placed on the application of statistical method to research design. Instruction deals specifically with measures of central tendency and variability, probability theory, estimation and significance, correlation and regression, analysis of variance, and chi-square. Class A Certification in Educational Administration is required.

Goals and Objectives of Course:  
The Teacher Education Program is designed to provide a quality, academic program that emphasizes meaningful and practical learning experiences in preparing students to be innovative, informed, reflective decision-makers. In addition, this course provides opportunities to demonstrate knowledge of:

Goals:  
The focus of this course is:  
- To prepare students to complete a research project that involves engaging in the study of the effectiveness of educational interventions and/or innovations.  
- To engage students in responsible and ethical statistical and research processes.  
- To demonstrate the ability to apply research findings in a variety of culturally diverse educational settings.

Objectives:  
This course is designed to:  
- Provide opportunities for students to develop competency in the fundamentals of statistics necessary for conducting research in education.  
- Assist students in the development of competencies for the calculation of various statistical procedures.  
- Demonstrate the ability to utilize statistical data in the formulation of generalizations and to creatively problem solve in relationship to the analysis of generalized data.
Develop the ability to identify situations where statistics are used in an inappropriate or misleading manner.

**Approved Text(s):**


**Evaluation:**

*Candidates must satisfactorily meet all goals or objectives used to assess AL SDE rules.*

**AMERICANS WITH DISABILITIES ACT:** Students with disabilities, or those who suspect they have a disability, must register with the Disability Services Coordinator in order to receive accommodations. Students currently registered with the Disability Services Office are required to present their Disability Services Accommodation Letter to each faculty member at the beginning of each term. If you have any questions, contact the Disability Services Coordinator.

**Absence Policy:**

In registering for classes at the university students accept responsibility for attending scheduled class meetings, completing assignments on time, and contributing to class discussion and exploration of ideas.

A student will be excused for class absence for circumstances beyond the student's control or to attend a required university activity.

**INCLEMENT WEATHER AND EMERGENCY SITUATIONS:** Both faculty and students are responsible for meeting all assigned classes. In the event of inclement weather, faculty and students will be expected to attend classes as usual as long as they may do so without risking peril to themselves or to others. During periods of inclement weather, faculty and students will not be penalized for absences dictated by perilous conditions.

In severe cases of inclement weather or other emergency conditions, the Office of Executive Vice Chancellor and Provost will announce cancellation of classes through the local and regional media as well as through the University’s web site.

**Academic Misconduct:**

*Students should refer to the Standards of Conduct section of the Oracle, the student handbook, for policies regarding misconduct.*

**INCOMPLETE WORK POLICY:** University policy states that an incomplete may be reported for students whose progress in a course has been satisfactory (e.g. the student is passing the course), but who are unable to receive a final grade because of circumstances beyond their control. An incomplete must be cleared by the next term of enrollment, or one calendar year, whichever comes first. An incomplete which is not removed during
the specified time limit of one calendar year or by the end of the next term of enrollment, automatically becomes an F.

**CHEATING POLICY**: A student may be disciplined, up to and including suspension and expulsion from the University if they are found in violation of the "Standards of Conduct." See Standards of Conduct in the Graduate Bulletin.