**SYLLABUS**

CTMU 7970 / 7976

***Quantitative Research in Music Education***

**Instructor:** Nancy H. Barry, Ph.D.

**Office:** 5002 Haley Center

**Phone:** 334-844-6787end\_of\_the\_skype\_highlighting **email:** barrynh@auburn.edu

**Required Synchronous Class Meetings:** Tuesday evenings, 5:00 – 7:50 p.m. CST

On-campus students will meet in Haley Center 1474. Distance students will meet via the Zoom platform.

**Required Text:**

***How to Use SPSS Statistics: A Step-by-Step Guide to Analysis and Interpretation*** (9th Edition), 2016, by Brian C. Cronk

**Other Required Readings:**

Additional readings (such as journal articles representing various research designs in Music Education) will be required throughout our course. Students will be provided with links to these additional readings via our Canvas site.

 **Course Objectives** *The Student will be able to . . .*

* Define standard statistical/quantitative research terminology
* Create a data file with appropriate variables and labels
* Summarize and critique music education research articles
* Select and run appropriate SPSS procedures for data analysis including: Frequencies, Descriptives, Crosstabs, Case Summaries, ANOVA, Correlations, Regression, Non-parametric Statistics, Discriminant Analysis, Factor Analysis, and Reliability
* Interpret SPSS output in relation to research questions and hypotheses in music education.
* Use SPSS to create appropriate charts and graphics for data interpretation
* Develop appropriate research designs to address research questions in music education.

**Graded Assignments**

10 Practice Research Design/ Data Analysis Application Assignments (10 @ 5% = 50%)

Test 1 (10%)

*Class notes and assigned readings.*

Data Analysis Skills Check Up (20%)

*Students will demonstrate fluency with SPSS statistics software by completing a series of selected data analysis tasks.*

Test 2 (10%)

*Class notes and assigned readings. Test format will include matching, fill-in-the blank, and short answer items.*

Class Participation (including logging in and contributing to our on-line class meetings and participation in any required on-line discussion boards) (10%)

**Grading System:**

A = 100 – 91

B = 90 – 81

C = 80 – 71

D = 70 – 61

**Accommodation Policy:**

Students who need accommodations are asked to electronically submit their approved accommodations and to arrange a meeting with the instructor during the first week of classes, or as soon as possible if accommodations are needed immediately. Please contact me by e-mail (barrynh@auburn.edu) to schedule a meeting. If you have not established accommodations through the Office of Accessibility, but need accommodations, make an appointment with the Office of Accessibility, 1228 Haley Center, 334-844-2096.