**­­­SYLLABUS**

CTMU 7970 / 7976

***Quantitative Research in Music Education***

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

**Office:** 5002 Haley Center

**Phone:** 334-844-4434end\_of\_the\_skype\_highlighting **email:** barrynh@auburn.edu

**Required Synchronous Class Meetings:** TBA (Students must respond to Doodle Poll to determine optimum class meeting times.)

Distance students will meet via the Zoom virtual meeting platform.

**Required Text:**

Cronk, B.C. (2017) *How to Use SPSS Statistics: A Step-by-Step Guide to Analysis and Interpretation* (9th Edition). New York: Routledge.

**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** *Students will be able to . . .*

* Interpret and apply quantitative research for practical applications in Music Education curriculum and teaching
* 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 quantitative data analysis including: Frequencies, Descriptives, Crosstabs, Case Summaries, ANOVA, Correlations, Regression, Non-parametric Statistics, Discriminant Analysis, Factor Analysis, and Reliability
* Interpret SPSS data analysis output in relation to practical research questions and hypotheses in music education.
* Use SPSS to create appropriate charts and graphics for data interpretation relevant to music education research topics
* Develop appropriate research designs to address research questions in music education.

**Graded Assignments:**

Module Quizzes and Practice Research Design/ Data Analysis Application Assignments (50%)

Test 1 [Mid-term] (10%)

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

Data Analysis Skills Check Up (20%)

*Students will demonstrate fluency with music education data analysis by using SPSS statistics software to set up a simple data base and complete a series of selected data analysis tasks.*

Test 2 [end-of-semester] (10%)

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

Class Participation (10%)

*Students are expected to log in and contribute to our scheduled on-line (or on-campus) class meetings. Courses will be video recorded to accommodate any students who have a documented conflict with our scheduled course meetings. All students are responsible for participation in any required on-line discussion boards, Canvas posts, and other reasonable expectations for contributing actively to our community of scholars. (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.