**­**CTMU 7970

FALL Semester 2022

***Quantitative Research in Music Education***

***SYLLABUS***

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

**Office:** 5002 Haley Center

**email:** nhb0002@auburn.edu

**Required Synchronous Class Meetings:** Tuesdays, 5 – 7:50 p.m. Central time

We will meet via the Zoom virtual meeting platform. Some optional on-campus meetings may also be scheduled during Fall semester TBA. IMPORTANT: Continue to check your AU email account and Canvas regularly for course announcements and updates.

**Required Text:**

Cronk, B.C. (2020) *How to Use SPSS Statistics: A Step-by-Step Guide to Analysis and Interpretation* (11th Edition). New York: Routledge.

**Other Required Readings:**

Additional readings (such as learning modules, video links, and 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.

Statistical Package for the Social Sciences (SPSS) data analysis software will be needed for some class activities and assignments. Use the following link to learn how to access and work with SPSS in the **AU virtual lab**: [Remote Desktop Client: Overview](https://nam11.safelinks.protection.outlook.com/?url=https%3A%2F%2Fauburn.service-now.com%2Fit%3Fid%3Dkb_article_view%26sysparm_article%3DKB0011385&data=05%7C01%7Cnhb0002%40auburn.edu%7Cfcf8e775433c40abc9a108da7a08a0b7%7Cccb6deedbd294b388979d72780f62d3b%7C1%7C0%7C637956474715528865%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C3000%7C%7C%7C&sdata=wUo9021E7iWD7Ob89dbjwBLoJsftmH5EzklLLfs9Rwg%3D&reserved=0)

* **You will need to login to the OIT webpage to view the info.** Click the “log in” button in the upper right corner of the screen (in the orange bar). If you experience any problems, submit a ticket to ServiceNow to schedule a help session with AU IT staff: [Office of Information Technology - Service Portal (service-now.com)](https://auburn.service-now.com/it) .

 **Course Objectives** *Students will be able to . . .*

* Interpret and apply quantitative research methods for practical applications in Music Education curriculum and teaching research
* Define standard statistical/quantitative research terminology
* Create a data file with appropriate variables and labels
* Summarize and critique peer-reviewed music education research articles
* Select and run appropriate Statistical Package for the Social Sciences (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 related 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:**

Quizzes/Tests and Research Design/Data Analysis Application Assignments (80%)

Class Participation (20%)

*All students are expected to log in and actively participate in our scheduled on-line (or on-campus) class meetings. Merely joining the Zoom meeting and not sharing your screen or sharing your screen while participating in some other activity during our class does NOT count as participation. Courses will be video recorded to accommodate any students who have a documented conflict with our scheduled course meeting. In the event you are not able to participate in any part of our class session (even a few minutes late and/or leaving early), you must view our class video recording and upload a detailed typed summary of any portions of our course you missed to receive credit for class participation.*

*All students are also responsible for participating in any required on-line discussion boards, Canvas posts, and other reasonable expectations for contributing actively to our community of scholars.*

**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 the instructor by e-mail 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, <https://accessibility.auburn.edu/> .