

## SYLLABUS

CTMU 7970 / 7976

### ***Quantitative Research in Music Education***

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

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#### **Required Text:**

***How to Use SPSS Statistics: A Step-by-Step Guide to Analysis and Interpretation***  
(7th Edition), by Brian C. Cronk

#### **Recommended Supplemental Texts:**

**SPSS® Basics: Techniques for a First Course in Statistics** (3rd Edition)  
by Zealure C. Holcomb

**Interpreting Basic Statistics: A Guide and Workbook Based on Excerpts from  
Journal Articles** (Sixth Edition)

Zealure C. Holcomb

\$42.50; ISBN 1-884585-91-4; © 2010; 192 pages

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

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

#### **Graded Assignments**

10 Practice Application Assignments (10 @ 5% = 50%)

Test 1 (15%)

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

Data Analysis Skills Check Up (15%)



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

Test 2 (15%)

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

Class Participation and Attendance (including logging in to on-line class meetings and participation in discussion boards) (5%)

**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 through AU Access and to arrange a meeting with the instructor during office hours the first week of classes, or as soon as possible if accommodations are needed immediately. If you have a conflict with my office hours, an alternate time can be arranged. Please contact me 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, 844-2096 (V/TT).

**Academic Honesty**

<https://sites.auburn.edu/admin/universitypolicies/Policies/AcademicHonestyCode.pdf>

Take care to cite ALL sources including any print materials, on-line sources, audio or video recordings, and interviews.

**Class Attendance**

<https://sites.auburn.edu/admin/universitypolicies/Policies/PolicyonClassAttendance.pdf>

**Classroom Behavior**

<https://sites.auburn.edu/admin/universitypolicies/Policies/PolicyonClassroomBehavior.pdf>

**Harassment**

<https://sites.auburn.edu/admin/universitypolicies/Policies/PolicyRegardingtheProhibitedHarassmentofStudents.pdf>