

**MUSIC 9652 QUANTITATIVE RESEARCH IN MUSIC EDUCATION  
COURSE OUTLINE, FALL 2023**

**INSTRUCTOR:** Dr. Kevin Watson

**EMAIL:** [kwatso54@uwo.ca](mailto:kwatso54@uwo.ca)

**OFFICE:** TC 116

**PHONE:** 519.661.2111 x 85896

**OFFICE HOURS:** By appointment

**ENROLLMENT RESTRICTIONS**

Enrollment in this course is restricted to graduate students in Music Education, as well as any student who has obtained special permission to enroll in this course from the course instructor as well as the Graduate Chair (or equivalent) from the student's home program.

**COURSE DESCRIPTION**

This course is an exploration of both the conceptual ideas and practical applications of quantitative methodologies commonly used in music education research. The purposes of a variety of statistical procedures and a discussion of their strengths and weaknesses for answering particular types of research questions will be addressed. Students will be challenged to critique existing research, analyze and create reports for mock data sets, and apply the analytical tools and methodological designs discussed in the course to their own research interests.

**COURSE OBJECTIVES**

Upon completing this course, students will be able to:

- Discuss basic characteristics of scientific inquiry
- Identify methodologies appropriate for given research questions and problems.
- Identify, explain, and apply basic terminology and concepts associated with quantitative research
- Define and explain the assumptions underlying varying research procedures
- Critique/evaluate published research reports
- Carry out appropriate analyses given sample data sets
- Create figures, tables, and written interpretations of findings given data sets suited to such procedures
- Apply the analytical tools discussed in the course to their own research interests and potential methodological designs

## **COURSE MATERIALS**

### **Required Texts**

- Miksza, P. & Elpus, K. (2018). *Design and Analysis for Quantitative Research in Music Education*. New York: Oxford University Press
- *Publication Manual of the American Psychological Association – 7th Edition (2020)*
- Additional readings will be posted on OWL

### **SPSS Software (Student Version)**

\$60 + tax, license is good for the academic year (until May 2024)

Contact:

Mike Assaf

Institutional Sales - Campus Computer Store

e-mail: [massaf@uwo.ca](mailto:massaf@uwo.ca)

SPSS is also available in the General Student Labs on campus. To view the current status of the General Student Labs please visit <https://wts.uwo.ca//sitelicense/other/spss.html>

## **COURSE POLICIES**

- Each day all of us build our professional reputations. As such, it is expected that you will attend each class, be punctual, complete readings and assignments in a timely way, and participate fully and respectfully in class discussions.
- All assignment submissions must be word-processed and are due on the assigned due date. Late assignments will be accepted with a grade penalty of twenty percent per day. Assignments submitted more than 30 minutes past the due time will be considered late.
- Please see the University's policy on Accommodation for Medical Illness detailed below. Numerous absences of any kind will be referred to the Department Chair for consideration of forfeiture of course credit.
- Please turn all cell phones to the off or silent mode during class time. If you choose to bring your laptop/tablet to class, please use it only to access course material or take notes. Please refrain from non-class related communication (e.g., instagram, email, texting, surfing, etc.) during class time.

## EVALUATION

The grade for MU9652 will be based on the following assignments (assignment details will be posted on OWL):

Research Hypothesis, due September 17, 2023 @ 11:00 pm (20 points)  
Observational & Survey Research, due September 24, 2023 @ 11:00 pm (20 points)  
Descriptive Analyses, due October 1, 2023 @ 11:00 pm (20 points)  
Correlation Analyses, due October 15, 2023 @ 11:00 pm (20 points)  
Reliability & Validity Analyses, due October 22, 2023 @ 11:00 pm (20 points)  
Intervention Design, due October 29, 2023 @ 11:00 pm (20 points)  
T-Test Analyses, due November 12, 2023 @ 11:00 pm (20 points)  
ANOVA Analyses I, due November 19, 2023 @ 11:00 pm (20 points)  
ANOVA Analyses II, due November 26, 2023 @ 11:00 pm (20 points)  
Review of Research Paper, due December 3, 2023 @ 11:00 pm (20 points)  
Research Study Proposal, due December 10, 2023 @ 11:00 pm (50 points)

Total: 250 points

## UNIVERSITY POLICIES

### Academic Conduct

Scholastic offences are taken seriously, and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, as found under Graduate Students - Scholastic Discipline at:

[https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/scholastic\\_discipline\\_grad.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/scholastic_discipline_grad.pdf)

### Accommodation for Medical Illness

The Graduate Program in Music recognizes that a student's ability to meet their academic responsibilities may, on occasion, be impaired by illness or injury. To ensure fairness and consistency for all students, academic accommodation for work representing 10% or more of the student's course grade shall be granted only in those cases where there is documentation indicating that the student could not reasonably be expected to meet academic responsibilities. Documentation shall be submitted, as soon as possible, to the office of the Associate Dean (Graduate Studies), not to the course instructor. Students with special learning needs or other circumstances are asked to inform the instructor as soon as possible so that necessary accommodations can be considered.

Students are directed to read the full Senate policy on accommodation for medical illness at the following website:

[https://www.uwo.ca/univsec/pdf/academic\\_policies/appeals/academic\\_consideration.pdf](https://www.uwo.ca/univsec/pdf/academic_policies/appeals/academic_consideration.pdf)

### **Statement on Health and Wellness**

Students who are in emotional or mental distress should refer to Mental Health Support for a complete list of options about how to obtain help.

<https://www.uwo.ca/health/psych/index.html>

### **Accessible Education Western (AEW)**

Western is committed to achieving barrier-free accessibility for all its members, including graduate students. As part of this commitment, Western provides a variety of services devoted to promoting, advocating, and accommodating persons with disabilities in their respective graduate programs. Graduate students with disabilities (for example, chronic illnesses, mental health conditions, mobility impairments) are encouraged to register with Accessible Education Western (AEW), a confidential service designed to support graduate and undergraduate students through their academic program. With the appropriate documentation, the student will work with both AEW and their graduate programs (normally their Graduate Chair and/or Course instructor) to ensure that appropriate academic accommodations to program requirements are arranged. These accommodations include individual counselling, alternative formatted literature, accessible campus transportation, learning strategy instruction, writing exams, and assistive technology instruction.

## **HELPFUL RESOURCES**

### **Writing Tutorial Services**

Free comprehensive writing support for students and faculty. Check out the writing support handouts and podcasts.

<http://www.sdc.uwo.ca/writing/>

### **Learning Development & Success**

SDC's Learning Skills Counsellors provide information and support to help Western students achieve academic success.

<http://www.sdc.uwo.ca/learning/>