

MUSIC 9652 QUANTITATIVE RESEARCH IN MUSIC EDUCATION COURSE OUTLINE, WINTER 2025

INSTRUCTOR: Dr. Kevin Watson

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OFFICE HOURS: By appointment

ENROLLMENT RESTRICTIONS

Enrollment in this course is restricted to graduate students in Music, as well as any student that 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 explores the conceptual ideas and practical applications of quantitative methodologies commonly used in music education research. The purposes of various statistical procedures and a discussion of their strengths and weaknesses for answering particular 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 principles and tools discussed in the course to their own research interests

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 Brightspace OWL

SPSS Software (Student Version) – optional (alternatives will be offered in class)

\$60 + tax, license is good for the academic year (until May 2025)

Contact:

Mike Assaf

Institutional Sales - Campus Computer Store

e-mail: 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 on time, 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 Associate Dean of Graduate Studies 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.

COURSE TIMELINE (TENTATIVE)

Week 1	Course Introduction
Week 2	Foundations of Scientific Research
Week 3	Research Design - Descriptive
Week 4	Data Analyses - Descriptive
Week 5	Principles of Inferential Research
Week 6	Research Design - Correlational
	Reading Week
Week 7	Data Analyses – Correlational; Reliability & Validity
Week 8	Research Design - Intervention

Week 9	Data Analyses - Intervention
Week 10	Research Design - Factorial
Week 11	Data Analyses - Factorial
Week 12	Research Proposals

EVALUATION

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

Weekly Assignments (30%)

Research Article Review, due March 21, 2025 @ 11:00 pm (20%)

Research Study Proposal, due April 4, 2025 @ 11:00 pm (50%)

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

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

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>

Statement on Gender-Based and Sexual Violence

Western is committed to reducing incidents of gender-based and sexual violence (GBSV) and providing compassionate support to anyone who is going through or has gone through these traumatic events. If you are experiencing or have experienced GBSV (either recently or in the past), you will find information about support services for survivors, including emergency contacts at the following website:

https://www.uwo.ca/health/student_support/survivor_support/gethelp.html

To connect with a case manager or set up an appointment, please contact support@uwo.ca.

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.

Statement on the Use of Generative Artificial Intelligence (AI)

Academic integrity means taking full responsibility for the work you submit so that you may be evaluated on the basis of your own knowledge and effort. Innovative and creative uses of generative AI may support scholarly activities and help facilitate high-quality research and writing. Any use of generative AI in completing work for this course must be cited appropriately, including identifying any tools used, how the tools were employed, and how the AI-generated content was integrated into the submitted assignment. Deviations from this policy may violate Western's academic integrity and scholastic offence policies (see above).

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/>