



Undergraduate Research Award Opportunities 2021

Dr. Bruno deOliveira Jayme, Assistant Professor, Faculty of Education

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Project 1: BEYOND THE TRAIN TRACKS: A PARTICIPATORY VIDEO PRODUCTION WITH YOUTH FROM THE NORTH END

Combining the fields of Visual Arts, Education and Cultural Geography, I work collaboratively with youth from the North End, to co-construct a series of participatory videos and screenings. Through this, we will explore the ways in which participatory video might facilitate dialogue between youth from the North End, the general public and local policymakers.

Project 2: INTERSECTING GRAFFITI ART AND MUSEUM EXHIBITS: PEDAGOGICAL ARTIFACTS AND RESEARCH TOOLS IN TEACHER EDUCATION

My research traces the intersections between museum education and graffiti art, and whether such relationship creates dialogue and generates and mobilizes new knowledge. My study will respond to the following research question: Can graffiti art mediate dialogue amongst pre-service teachers and the general public about museums' excluded narratives and serve as pedagogical tools for teacher education programs? Uncovering excluded stories and understanding why and how some stories are silenced in museums, is imperative in deconstructing the social apparatus that (re)produce hegemonic status quo.

Dr. Cameron Hauseman, Assistant Professor, Faculty of Education

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Project: SECONDARY SCHOOL PRINCIPALS' EMOTIONAL REGULATION STRATEGIES

This research is designed to explore the impact that school principals have on student outcomes by studying the effect that emotions have on secondary school principals in Manitoba. The goals of this project are to describe conditions in secondary school principals' work that can lead to emotion-generating situations and identify strategies secondary school principals use to manage their emotions.

Dr. Sandra Kouritzin, Professor, Faculty of Education

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Project: BREASTFEEDING ACROSS THE CURRICULUM: NEEDS ANALYSIS AND POLICY DEVELOPMENT CONTEXT

According to research, breastfeeding is beneficial in health terms, being influential in prevention of asthma and childhood obesity, and leading to decreased risk of cancer and cardiovascular disease in mothers. Breastfeeding leads to long term metabolic changes, resulting in decreased risks for obesity, type II diabetes, and cardiovascular disease. Breastfeeding-positive education across the curriculum can link to food security and sovereignty, the Human Right to eat, control over women's bodies, poverty prevention, the climate emergency, animal/human rights, and unclean water in developing countries. This project will include: a) literature review on benefits of breastfeeding b) report on curricular entry points for breastfeeding in provincial pre-K-12, c) environmental scan of available provincial policies for breastfeeding education content, and d) recommendations for research, materials development and policy proposal for a publishable paper.

Dr. Graham Lea, Assistant Professor, Faculty of Education

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& Dr. Yi Li, Associate Professor, Faculty of Education

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Project: DRAMATIZING NARRATIVES OF PLACES AND CULTURES FOR TEACHING AND LEARNING

In this research we explore personal experiences in/forming pedagogical identities. Through drama and narrative, we seek to create a space for pre- and in-service teachers to develop empathy and understanding for voices often left unheard in educational conversations.

Dr. Yi Li, Associate Professor, Faculty of Education

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Project 1: HOPE AND WELL-BEING FOR ADULT REFUGEE STUDENTS AND THEIR TEACHERS: A NARRATIVE INQUIRY

In adult EAL teaching and learning, both refugee students and their teachers need hope to sustain their efforts during the process. This research will explore their lived experiences through narrative inquiry.

Project 2: MULTI-LANGUAGE AND MULTI-LITERACY DEVELOPMENT IN THE EARLY YEARS: NARRATIVES FROM THE TEACHER CANDIDATES

More and more children enter our school systems speaking a language other than English. This research will examine what teacher candidates need to know in order to help children realize their linguistic and educational potentials.

Dr. Peng Liu, Assistant Professor, Faculty of Education

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Project 1: UNDERSTANDING THE DEVELOPMENT OF INDIGENOUS STUDENT LEADERSHIP IN CANADA

At many universities and colleges, educating students about leadership and teaching them how to be leaders have become priority objectives (Astin, 1993; Cress, Astin, Zimmerman-Oster & Burkhardt, 2001; Dempster & Lizzio, 2007). Students can and do increase their leadership skills during the college years (Pascarella & Terenzini, 2005; Campbell, Smith, Dugan & Komives, 2012). However, there is a lack of sufficient research on how Indigenous college student leadership is developed, particularly how Indigenous college student leadership is developed in the Canadian context (Ibarra, Wittman, Petriglieri & Day, 2014). The main purpose of this study is to understand the development of Indigenous college student leadership. Students will get chance to learn how to conduct research and literature review.

Project 2: COMPARISON OF STRATEGIES IN FACILITATING THE DEVELOPMENT OF STUDENT LEADERSHIP IN CANADA AND CHINA: A TEACHER'S PERSPECTIVE

This study will examine Canadian and Chinese teachers' unique perspectives on student leadership in order to explore commonalities and differences in effective ways to develop student leadership both in Canada and China. It is helpful to hear the voices of Canadian and Chinese teachers to help cultivate more future student leaders. Interviews will be conducted by the Principal Investigator and research assistant as the major research tool to collect data. Students will get chance to learn how to conduct research and literature review.

Project 3: UNDERSTANDING ROLES AND EFFECTS OF LITERACY COACH IN MANITOBA EDUCATION

Although literacy coaching is gradually becoming an important mean to improve student learning in Canadian context, but the research about their roles and effects are obviously insufficient in literature (Dole & Donaldson, 2006; Lynch & Ferguson, 2010), particularly in Manitoba context that is in the urgent to improve student learning in literacy under the framework of K-12 continuous improvement. These lead this research to focus on understanding the roles and effects of literacy coaches. Students will get chance to learn how to conduct research and literature review.

Dr. Robert Mizzi, Associate Professor, Faculty of Education

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Project: MAPPING UN/SAFE SPACES ON UNIVERSITY CAMPUSES

The project consists of using campus maps as a communication device to investigate intersectionality and the experiences of students who have membership with multiple communities based on Indigeneity, race, gender, gender expression, disability, and/or sexual orientation.

Dr. Lilian Pozzer, Assistant Professor, Faculty of Education

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Project 1: PROJECT BASED LEARNING IN STEAM

A collaboration with the Manitoba Engineers and Geoscientists Association, as part of the 30 by 30 initiative, to recruit and maintain women in the workforce. As part of this project, we will search and evaluate, as well as design and make available/implement STEAM PBL target at middle and senior years students, with a special focus on inclusion of female students, minority equity seeking groups and Indigenous populations.

Project 2: LITERACY IN SCIENCE

Project designed to promote and make accessible science fiction and science related non-fiction books to senior years students as part of their science courses, aiming at augmenting literacy skills in both reading, writing and science, as well as attracting students to science who are already interested in reading/writing. The development of workshops for teachers as well as teaching materials to be shared with teachers so that they can use these books in class is also part of the project.

Project 3: MUSEUM EXHIBIT ON SOCIOCULTURAL ASPECTS OF SCIENCE

A collaborative project with Dr. Bruno de Oliveira Jayme (and possibly, Dr. Amy Farrell) on exploring sociocultural and equity issues in science through eco-critical analysis of curriculum materials and history of science, and curating a series of artwork produced by student-participants (B.Ed. and senior years students) to be exhibited in a museum.

Dr. Ee-Seul Yoon, Assistant Professor, Faculty of Education

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Project 1: K-12 SCHOOL FUNDING IN CANADA

I am currently undertaking a research project on the changing landscape of K-12 school finance in Canada. I am looking for a self-motivated undergraduate student who has a background in policy, economics, sociology, geography, or education, and who is interested in conducting library-based research on a range of finance related topics, such as student enrolment, per-pupil funding, capital funding, grants, GDP growth rate, etc.

Project 2: K-12 SCHOOL CHOICE IN WINNIPEG AND VANCOUVER

I am also looking for a self-directed undergraduate student (preferably with the background in geography and education) who can collaborate with me on a research project that focuses on the spatial history of school choice in Winnipeg and Vancouver. The aim of this research study is to better understand the spatial relationship between changes in school choice programs and changes in urban neighbourhoods.