

Issues in Mathematics Education

Education 844

Section: G001

Term: 2013 Spring

Instructor: Instructor: Stephen R. Campbell

Tuesdays, 4:30-9:20 EDB 9511

Office: EDB 8643

Office Hours: by appointment

Phone: 1-778-782-3630

E-mail: sencael@sfu.ca

Discussion Topics: This course is designed to introduce students to the tasks of designing, conducting, interpreting, and reporting research in mathematics education. No prior knowledge of research methods in education will be assumed. In addition to the calendar description of the course, students will become familiar with a number of issues related to the conduct of research including computer-based library searches, the use of the Internet to access resources, the ethics review procedure, and the use of computers to conduct both quantitative and qualitative research.

A major component of the work will consist of individual student projects. Students will negotiate with the instructor on an individual basis to undertake a project that will advance them toward degree completion in some way. For students intending to write a thesis this project will take the form of a full research proposal.

Grading: Grades will be based on the following:

Active participation compulsory

Literature review and presentation 20%

Exercise in collecting and analyzing data / ideas 20%

Individual project 60%

Required Texts: There is no textbook for this course. Students will be expected to read in advance of

most meetings a number of articles and research proposals in mathematics education research. A materials charge of up to \$25 may be levied to cover photocopying costs.

Recommended Texts:

Materials/Supplies:

Prerequisite/Corequisite:

Notes:

This outline is derived from a course outline repository database that was maintained by SFU Student Services and the University's IT Services Department. The database was retired in 2014 and the data migrated to SFU Archives in 2015.