

Semester 2009

Session: Fall Semester

Social Insurance No.:

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| EDUC 212 - 3 Mathematic Experience 2: Shape & Space | | | |
| ST>Title | | | |
| Thursday 1:30-4:20 CET Lab 8501 | | | |
| Section D100 | Scheduled Final Exam Y/N: | yes | Enrollment: 28 |

Instructor: Na Sinclair
tha

Office: EDB 8659

Tel: 778-782-4303

Fax:

E-mail: nathsinc@sfu.ca

PREREQUISITE

COURSE DESCRIPTION

Text: Carpenter, T., Dossey, J., & Koehler, J. (2004). Classics in Mathematics Education Research. NCTM.

Readings: Supplementary material will be given out on a regular basis.

Calendar description

Contemporary theories and methodologies in mathematics education will be examined and analysed. Developing an overview of mathematics education as an evolving research domain will be focal.

Justification

This course is essential for those specializing in mathematics education. The course will provide students with a broad understanding of the field in its current "state of the art". The course will introduce students to the evolution of research in the area, where "contemporary" is roughly taken to embrace the past 30 years. Research will be examined via three different focus lenses: theory, methodology, and mathematical subject matter.

Theory: Contemporary theoretical frameworks will be introduced, discussed and critiqued. The focus will be on theories

OBJECTIVES

REQUIREMENTS

READINGS

| ISBN | Author | Publisher | Title | REQ | REC |
|---------------|--------|--------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------|--------------------------|
| 9781559535281 | | Key Curriculum Press distributed by Spectrum Educational Supplies Ltd | The Geometers Sketchpad version 4, student edition (item#203828) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
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Book Order Comments

Location: Burnaby Campus

Additional Information