

MEMO

Dean of
Graduate Studies

STREET ADDRESS
Maggie Benston
Student Services Centre
1100
Burnaby BC V5A 1S6
Canada

MAILING ADDRESS
8888 University Drive
Burnaby BC V5A 1S6
Canada

TO: Senate

TEL

FROM Wade Parkhouse, Dean, Graduate Studies

RE Faculty of Education

[GS2012.10]

CC John Nesbit

DATE February 7, 2012

For information

Acting under delegated authority at its meeting of 6 February 2012, the SGSC approved the following curriculum revisions:

Effective Date is September 2012**Faculty of Education**

[GS2012.10]

Secondary Mathematics Education (Master of Education) Program

- i) Change to program requirements: reduce the total units from 35 to 30 by reducing the additional requirements
- ii) Change to title and description: EDUC 844-5 Issues in Mathematics Education

Senators wishing to consult a more detailed report of curriculum revisions may do so by going to Docushare:

<https://docushare.sfu.ca/dsweb/View/Collection-12682>

If you are unable to access the information, please call [778-782-3168](tel:778-782-3168) or email shelley_gair@sfu.ca.



faculty of education

MEMO

Graduate Programs

8888 University Drive
Burnaby BC V5A 1S6
Canada

T: 778.782.3297
F: 778.782.4320

www.educ.sfu.ca/gradprogs

ATTENTION: SGSC

FROM: Faculty of Education

RE: Major Program change – Secondary Mathematics Education (Master of Education) Program

DATE: 2012 January 23

This proposed program change is to reduce the total program requirements from 35 units to 30 units by changing the additional requirements from 7 units to 2 units.

This program change was approved by the Education Graduate Studies Committee 2011 November 24 and by the Faculty of Education Committee 2012 January 16.

The rationale, current and proposed calendar language is attached.

Sincerely,

A handwritten signature in black ink, appearing to read "Robin Brayne", is written over a light blue horizontal line.

Robin Brayne,
Director



Proposed Program Change and Rationale

This proposed program change for the MEd Secondary Mathematics Education program is to reduce the total program requirements from 35 units to 30 units by changing the additional requirements from 7 units to 2 units. The 2 units requirement will, for all intents and purposes, be an elective course. By listing it as 2 units rather than 5 units it not only brings it in line with Graduate General Regulations, it also gives students access to Mathematics courses (none of which are 5 units).

Current Calendar Language

Secondary Mathematics Education (Master of Education) Program

Faculty of Education

Simon Fraser University Calendar 2012 Spring

The master of education (MEd) is a professional degree signifying advanced knowledge about and advanced training in educational practice.

This cohort program, leading to the MEd degree in the teaching of secondary school mathematics, is offered jointly by the Faculty of Education and the Department of Mathematics. Students pursuing the MEd (course work) option will, in addition to 28 units of required course work, complete a minimum of seven units of graduate electives in education and/or mathematics, and a comprehensive examination.

Admission Requirements

See graduate general regulation 1.3 for University admission requirements. In exceptional circumstances, applicants who do not meet these requirements may be considered if superior scholarly or professional achievement is demonstrated.

Graduate education admission is granted to a specific degree and to a particular program or specialization. Updated application information is available November 15 at www.educ.sfu.ca/gs/degreediploma/masters.html. All applications are reviewed once a year. Completed applications must be received by January 31.

Program Requirements

✓ Students complete ~~35~~ **30** units, including all of

- ✓
 - ~~EDUC 844-5 The Research Basis of Mathematics Education~~ **Issues in Mathematics Education**
 - EDUC 845-5 Learning Mathematics with Computers
 - EDUC 846-5 Foundations of Mathematics Education
 - EDUC 847-5 Teaching and Learning Mathematics
 - MATH 603-4 Foundations of Mathematics
 - MATH 604-4 Geometry

✓ ~~and seven units selected from Faculty of Education or Department of Mathematics graduate courses.~~

✓ ~~and a minimum of two units selected from Faculty of Education or Department of Mathematics graduate courses.~~

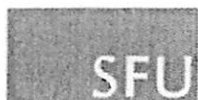


Comprehensive Examination

Candidates must complete a comprehensive examination by enrolling in EDUC 883. Normally, this occurs in the term in which course requirements are completed or in the immediately following term.

Academic Requirements within the Graduate General Regulations

All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations (residence, course work, academic progress, supervision, research competence requirement, completion time, and degree completion), as well as the specific requirements for the program in which they are enrolled, as shown above.



Proposed Calendar Language

Secondary Mathematics Education (Master of Education) Program

Faculty of Education

Simon Fraser University Calendar 2012 Spring

The master of education (MEd) is a professional degree signifying advanced knowledge about and advanced training in educational practice.

This cohort program, leading to the MEd degree in the teaching of secondary school mathematics, is offered jointly by the Faculty of Education and the Department of Mathematics. Students pursuing the MEd (course work) option will, in addition to 28 units of required course work, complete a minimum of seven units of graduate electives in education and/or mathematics, and a comprehensive examination.

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Graduate education admission is granted to a specific degree and to a particular program or specialization. Updated application information is available November 15 at www.educ.sfu.ca/gs/degreediploma/masters.html. All applications are reviewed once a year. Completed applications must be received by January 31.

Program Requirements

Students complete 30 units, including all of

- EDUC 844-5 Issues in Mathematics Education
- EDUC 845-5 Learning Mathematics with Computers
- EDUC 846-5 Foundations of Mathematics Education
- EDUC 847-5 Teaching and Learning Mathematics
- MATH 603-4 Foundations of Mathematics
- MATH 604-4 Geometry

and a minimum of two units selected from Faculty of Education or Department of Mathematics graduate courses.

Comprehensive Examination

Candidates must complete a comprehensive examination by enrolling in EDUC 883. Normally, this occurs in the term in which course requirements are completed or in the immediately following term.

Academic Requirements within the Graduate General Regulations

All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations (residence, course work, academic progress, supervision, research competence requirement, completion time, and degree completion), as well as the specific requirements for the program in which they are enrolled, as shown above.

SFU Connect

slwarren@sfu.ca

± Font Size ±

Re: Changes to the Master's Program

From : Manfred Trummer <trummer@sfu.ca>
Subject : Re: Changes to the Master's Program
To : Susan Warren <slwarren@sfu.ca>
Cc : Peter Liljedahl <liljedahl@sfu.ca>, Tom Archibald <tarchi@sfu.ca>

Wed, Nov 23, 2011 09:10 AM

Hi Susan

the proposed changes have the full support of the Mathematics Department.

Best wishes,
Manfred

Manfred Trummer, Professor and Chair
SFU Mathematics www.math.sfu.ca
trummer@sfu.ca 778.782.3378

On 11-11-21 12:25 PM, Peter Liljedahl wrote:

Hello Manfred,

I am attaching the proposed changes to the Secondary Mathematics Master's Program that we discussed. Could you please send a not to Susan Warren (cc'd here) informing her of your approval.

thank you.

Peter Liljedahl, PhD
Associate Dean, Graduate Studies
Associate Professor, Faculty of Education
Simon Fraser University
8888 University Drive
Burnaby, BC, V5A 1S6, Canada
Voice: 778-782-9079 (DGS business)
Voice: 778-782-5643 (research business)
Email: liljedahl@sfu.ca
www.peterliljedahl.com

Secondary Mathematics Education (Master of Education) Program

Faculty of Education

Simon Fraser University Calendar 2012 Spring

The master of education (MEd) is a professional degree signifying advanced knowledge about and advanced training in educational practice.

This cohort program, leading to the MEd degree in the teaching of secondary school mathematics, is offered jointly by the Faculty of Education and the Department of Mathematics. Students pursuing the MEd (course work) option will, in addition to 28 units of required course work, complete a minimum of seven units of graduate electives in education and/or mathematics, and a comprehensive examination.

Admission Requirements

See graduate general regulation 1.3 for University admission requirements. In exceptional circumstances, applicants who do not meet these requirements may be considered if superior scholarly or professional achievement is demonstrated.

Graduate education admission is granted to a specific degree and to a particular program or specialization. Updated application information is available November 15 at www.educ.sfu.ca/gs/degreediploma/masters.html. All applications are reviewed once a year. Completed applications must be received by January 31.

Program Requirements

Students complete 35 units, including all of

- *EDUC 844-5 The Research Basis of Mathematics Education*
- *EDUC 845-5 Learning Mathematics with Computers*
- *EDUC 846-5 Foundations of Mathematics Education*
- *EDUC 847-5 Teaching and Learning Mathematics*
- *MATH 603-4 Foundations of Mathematics*
- *MATH 604-4 Geometry*

and seven units selected from Faculty of Education or Department of Mathematics graduate courses.

Comprehensive Examination

Candidates must complete a comprehensive examination by enrolling in EDUC 883. Normally, this occurs in the term in which course requirements are completed or in the immediately following term.

***Academic Requirements within the Graduate General Regulations** All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations (residence, course work, academic progress, supervision, research competence requirement, completion time, and degree completion), as well as the specific requirements for the program in which they are enrolled, as shown above.*



faculty of education

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ATTENTION: SGSC

FROM: Faculty of Education

RE: Minor Course Change – EDUC 844

DATE: 2012 January 23

Please find attached a minor course change form and rationale for this change for EDUC 844-5. We are requesting a title and description change.

This minor course change was approved by the Education Graduate Studies Committee 2011 November 24 and by the Faculty of Education Committee 2012 January 16.

Sincerely,

A handwritten signature in black ink, appearing to read "Robin Brayne".

Robin Brayne,
Director

Graduate Course Minor Change Form

This form is for an SFU department or program to request a minor change to an existing graduate course. After approval and signature by the faculty graduate studies committee, this form should be forwarded to the Dean of Graduate Studies for approval by the Senate Graduate Studies Committee (SGSC). SGSC will forward the approval to Senate for information.

DEPARTMENT

Department / School / Program Education	Contact name R. Brayne	Contact email rbrayne@sfu.ca
Please revise the following elements of the indicated graduate course: ☐ Catalogue number ☐ Units ☒ Title ☒ Description ☐ Other: _____		

CURRENT COURSE

Please complete only the fields to be changed.

Program (eg. ECON) EDUC	Number (eg. 810) 844	Units (eg. 4) 5
Course title (max 80 characters) Research Basis of Mathematics Education		
Short title (appears on transcripts, max 25 characters)		
Course description for SFU Calendar ☒ see attached An examination of critical issues, current research and research practices in mathematics education.		
Available course components ☐ Lecture ☐ Seminar ☐ Laboratory ☐ Practicum ☐ Online ☐ _____		
Grading basis ☒ Graded ☐ Satisfactory / Unsatisfactory ☐ In Progress / Complete ☐ _____		
Prerequisites (if any)		
This is combined with an undergrad course. ☐ Yes ☐ No		
Course number and units: _____		
Additional course requirements for graduate students		

REVISED COURSE

Please complete only the fields to be changed.

Program (eg. ECON)	Number (eg. 810)	Units (eg. 4)
Course title (max 80 characters) Issues in Mathematics Education		
Short title (appears on transcripts, max 25 characters) Issues in Math Educ		
Course description for SFU Calendar ☐ see attached An examination of critical issues, current research, and practices in mathematics education.		
Available course components ☐ Lecture ☐ Seminar ☐ Laboratory ☐ Practicum ☐ Online ☐ _____		
Grading basis ☐ Graded ☐ Satisfactory / Unsatisfactory ☐ In Progress / Complete ☐ _____		
Prerequisites (if any)		
This is combined with an undergrad course. ☐ Yes ☐ No		
Course number and units: _____		
Additional course requirements for graduate students		

APPROVALS

ROBIN BRAYNE
Faculty graduate studies committee name
W. P. H. H. H. H. H.
Senate graduate studies committee name

R. Brayne
Signature
W. P. H. H. H. H. H.
Signature

Jan 23 / 2012
Date
Feb 10 / 12
Date



Rationale for EDUC 844 Title and Description Change

The rationale for this change is that it will give greater scope to examine issues beyond research. Research will still be part of the course. The revised course description is wider in range and more inclusive to allow us to take advantage of local talent available to us for teaching the course with whatever specialization that they may bring to it. This would allow us to capitalize on presence of visiting scholars and/or members of the mathematics department with specific interests in mathematics education.