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**MEMORANDUM**

**ATTENTION** Senate  
**FROM** Wade Parkhouse, Chair of Senate  
 Graduate Studies Committee (SGSC)  
**RE:** Program Changes

**DATE** February 14, 2017

A handwritten signature in blue ink, appearing to read 'W Parkhouse'.

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**For information:**

Acting under delegated authority at its meetings of January 9 and February 6, 2017 SGSC approved the following curriculum revisions effective **Fall 2017**:

**Faculty of Arts & Social Sciences**

Program of Urban Studies

Calendar entry change to the:

- Graduate Diploma in Urban Studies
- MA of Urban Studies

**Faculty of Education**

Calendar deletion

- Overview page “Graduate Degrees in the Faculty of Education”

Program requirement changes to the:

- MA in Educational Psychology
- MEd in Educational Psychology
- MA in Curriculum and Instructions
- PhD in Curriculum Theory and Implementation

**Faculty of Science**

Department of Earth Sciences

Program requirement changes to the:

- MSc in Earth Sciences
- PhD in Earth Sciences



FACULTY OF  
ARTS AND SOCIAL SCIENCES

MEMO

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ATTENTION: Wade Parkhouse, Dean  
Graduate Studies

FROM : Lisa Shapiro, Chair   
Faculty of Arts and Social Sciences Graduate Studies Committee

RE: FASSGSC Proposals

DATE: January 24, 2017

I have approved the calendar changes to the MA in Urban Studies and the Post-baccalaureate diploma for Fall 2017, under delegated authority. It will be sent to the FASSGSC meeting on January 26, 2017 for information. Please place this item on the agenda for the next SGSC meeting as well.

**From: Peter Hall, Director, Urban Studies**  
**To: Lisa Shapiro, Associate Dean, FASS**  
**Date: 20 January 2017**  
**Re: Calendar Entry Changes**

The following changes to the Master of Urban Studies and diploma calendar entries have been approved by the Urban Studies program (on 20 January 2017) and are now forwarded to your office for review and approval. There are no changes to the program requirements.

#### **Calendar entry changes**

##### **Master of Urban Studies**

- **Removed information regarding application documents**
- **Added a note stating that students who don't complete the project in one term must enroll in URB 699 until the project is complete. Rationale: This reflects what is happening in practice and allows for the continuing fee (50% of full tuition) to be charged for tuition for the capstone when it takes more than one term.**
- **Added expected program length**

##### **Diploma**

- **Removed information regarding application documents**
- **Added expected program length**



**Please note:**

To view the Fall 2016 Academic Calendar go to <http://www.sfu.ca/students/calendar/2016/fall.html>

Faculty of Arts and Social Sciences  
Simon Fraser University Calendar | Spring 2017

## Urban Studies

### GRADUATE DIPLOMA

This diploma augments an undergraduate degree by providing exposure to, and development of urban expertise and insights.

## Admission Requirements

Applicants for admission are normally required to have an undergraduate degree in one of the urban studies base disciplines (economics, geography, political science, sociology and anthropology). Applications from students with other degrees or with equivalent professional training and experience will also be considered. Admissions decisions will be based on material submitted with the application.

## Application

Applicants must submit the following documentation.

application for admission to graduate studies

official transcript of undergraduate grades (mailed directly from the granting institution) three confidential reference letters (mailed directly from referees, one of whom should be an academic)

a statement of the applicant's program interest

TOEFL and TWE test scores may be required for applicants whose first language is not English

## Program Requirements

The program requires completion of 24 URB course units with the exception of URB 697 and 699. One or two graduate courses from other departments may be substituted with permission.

## Academic Requirements within the Graduate General Regulations

All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations, as well as the specific requirements for the program in which they are enrolled.

**REVISED  
CALENDAR ENTRY**

## **Urban Studies**

### **GRADUATE DIPLOMA**

### **Description of Program**

This diploma augments an undergraduate degree by providing exposure to, and development of urban expertise and insights.

### **Admission Requirements**

Applicants must satisfy the University admission requirements as stated in Graduate General Regulations 1.3 in the SFU Calendar. Applicants for admission are normally required to have an undergraduate degree in one of the urban studies base disciplines (economics, geography, political science, sociology and anthropology). Applications from students with other degrees or with equivalent professional training and experience will also be considered. Admissions decisions will be based on material submitted with the application.

### **Program Requirements**

Students must complete 24 units of graduate courses in Urban Studies (excluding URB 697 and URB 699). One or two graduate courses from other departments may be substituted with permission.

### **Program Length**

Students are expected to complete the program requirements in nine terms.

### **Academic Requirements within the Graduate General Regulations**

All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations, as well as the specific requirements for the program in which they are enrolled.



SIMON FRASER UNIVERSITY  
ENGAGING THE WORLD

STUDENT SERVICES  
Spring Calendar

**Please note:**

To view the Fall 2016 Academic Calendar go to <http://www.sfu.ca/students/calendar/2016/fall.html>

Urban Studies Program  
Simon Fraser University Calendar | Spring 2017

## Urban Studies

### MASTER OF URBAN STUDIES

The city is a central feature of modern societies and economies. The development of cities over the past 500 years has enabled the evolution of the modern world. Academic interest in urban studies spans many disciplines and focuses on understanding cities, how they function, and how they change for the better.

This master of urban studies (MUrb) program develops the knowledge, skills and understanding that individuals, organizations, communities and governments need to improve human lives, strengthen municipal governance and advance urban sustainability. Students seek to understand, develop and diversify the structures, processes and actions that make cities livable. The curriculum integrates traditional understandings with new perspectives, both locally and globally.

Programs are available to both full-time and part-time students, ranging from mid-career professional to those who are simply curious about local politics, urban development, and sustainable cities. The program provides a strong foundation in economic, geographic, political and social analysis techniques and applies these skills to real-world urban problems.

Courses are offered in the evenings at Vancouver campus, located in the core of British Columbia's principal urban centre.

## Admission Requirements

Applicants for admission are normally required to have an undergraduate degree in one of the urban studies base disciplines (economics, geography, political science, sociology and anthropology). Applications from students with other degrees or with equivalent professional training and experience will also be considered. Admissions decisions will be based on material submitted with the application.

## Application

Applicants must submit the following documentation.

Application for admission to graduate studies

Official transcript of undergraduate grades (mailed directly from the granting institution) three confidential reference letters (mailed directly from referees, one of whom should be an academic)

A statement of the applicant's program interest

TOEFL and TWE test scores may be required for applicants whose first language is not English

## Program Requirements

The program requires 32 units of URB courses, including all of

URB 670 - Urban Research Methods (4)

URB 696 - Seminar in Urban Studies (4)

URB 697 - Research Project (4)

These courses help students prepare an original urban research project to demonstrate integration of concepts and techniques acquired in previous course work. Up to two other graduate courses beyond those offered by Urban Studies may be substituted with the approval of the Urban Studies program committee.

## Academic Requirements within the Graduate General Regulations

All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations, as well as the specific requirements for the program in which they are enrolled.

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**REVISED  
CALENDAR ENTRY**

## **Urban Studies**

### **MASTER OF URBAN STUDIES**

### **Description of Program**

The city is a central feature of modern societies and economies. The development of cities over the past 500 years has enabled the evolution of the modern world. Academic interest in urban studies spans many disciplines and focuses on understanding cities, how they function, and how they change for the better.

This master of urban studies (MUrb) program develops the knowledge, skills and understanding that individuals, organizations, communities and governments need to improve human lives, strengthen municipal governance and advance urban sustainability. Students seek to understand, develop and diversify the structures, processes and actions that make cities livable. The curriculum integrates traditional understandings with new perspectives, both locally and globally.

Programs are available to both full-time and part-time students, ranging from mid-career professional to those who are simply curious about local politics, urban development, and sustainable cities. The program provides a strong foundation in economic, geographic, political and social analysis techniques and applies these skills to real-world urban problems.

Courses are offered in the evenings at Vancouver campus, located in the core of British Columbia's principal urban centre.

### **Admission Requirements**

Applicants must satisfy the University admission requirements as stated in Graduate General Regulations 1.3 in the SFU Calendar. Applicants for admission are normally required to have an undergraduate degree in one of the urban studies base disciplines such as: economics, geography, history, political science, sociology and anthropology. Applications from students with other degrees or with equivalent professional training and experience will also be considered. Admissions decisions will be based on material submitted with the application.

### **Program Requirements**

This program consists of course work and a project for a minimum of 32 units.

Students must complete both of\*

URB 670 - Urban Research Methods (4)

URB 696 - Seminar in Urban Studies (4)

and five graduate courses for a minimum of 20 units from Urban Studies\*\*

and a project

URB 697- Research Project (4)

NOTE: Students who don't complete the project in one term must enroll in URB 699 until the project is complete.

URB 699 - Research Project Completion (2)



## **REVISED CALENDAR ENTRY**

**\* These courses help students prepare an original urban research project to demonstrate integration of concepts and techniques acquired in previous course work.**

**\*\* Up to two graduate courses beyond those offered by Urban Studies may be substituted with the approval of the Urban Studies program committee.**

### **Program Length**

**Students are expected to complete the program requirements in nine terms.**

### **Academic Requirements within the Graduate General Regulations**

**All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations, as well as the specific requirements for the program in which they are enrolled.**

## Calendar Entry Change for Graduate Degrees in the Faculty of Education

<p><b>Summary of change:</b></p> <ul style="list-style-type: none"> <li>• Delete calendar entry on Graduate Degrees in the Faculty of Education and rely on information on the Faculty of Education website.</li> </ul>
<p><b>Rationale for change:</b></p> <ul style="list-style-type: none"> <li>• Information regarding Education graduate degrees is described more fully and in greater detail on the Faculty's website.</li> <li>• Removing this text will allow the Faculty to proceed with program revisions without the requirement restrictions stipulated in Graduate Degrees in the Faculty of Education and to post approved revisions in detail on the Faculty's website.</li> </ul>
<p><b>Effective term and year:</b> Fall 2017</p>
<p><b>Will this change impact current students?</b> This change is not expected to impact current students.</p>

FROM	TO
<p><del>Graduate Degrees in the Faculty of Education</del></p> <p><del>Faculty of Education offers graduate programs leading to MEd, MA, MSc, EdD and PhD degrees in select fields of scholarly and professional studies. The nature of and requirements for degrees vary by degree and by field of study.</del></p> <p><del>The MEd is a professional degree signifying advanced knowledge about and advanced training in educational theory and practice. Minimal requirements for MEd course work/comprehensive exam programs are the completion of a minimum of 30 units in required and elective courses, plus a final comprehensive examination (five units). The content of the EDUC 883 MEd Comprehensive Examination varies by program.</del></p> <p><del>In the Individual program, the MEd culminates in a project that materially and substantially relates theory to practice or that systematically examines a significant problem in education. Students enrolled in the MEd program must</del></p>	

~~successfully complete a minimum of 30 units of course work and the EDUC 881 Project (five units).~~

~~The MA, MSe, EdD and PhD degrees signify advanced knowledge in a field of specialization and advanced competence in conducting significant and original research in education.~~

~~Minimum requirements for the MA and MSe degrees are successful completion of 33 units of required and elective graduate courses (at least 23 units) and EDUC 898 Master's Thesis (10 units).~~

~~Minimum requirements for the PhD are successful completion of 35 units beyond graduate requirements for an MA or MSe, consisting of 20 units divided among required and elective courses, comprehensive examination (five units) and EDUC 899 Doctoral Thesis (10 units).~~

~~The EdD is a professional degree signifying the acquisition of advanced knowledge and expertise in education. Minimum requirements are successful completion of 40 units of graduate work, consisting of 25 units divided among required and designated courses, plus EDUC 983 comprehensive examination (five units), and EDUC 899 Doctoral Thesis (10 units).~~

## **Calendar Entry Change for Educational Psychology Master of Arts**

### **Summary of change:**

- Reduce required course work from 30 units to 15 units
- Offer courses on a yearly rotating basis, with the expectation that students will move through their year of course work as a cohort
- Add new courses EDUC 760, EDUC 886
- Add EDUC 841
- Remove EDUC 828, EDUC 863, EDUC 876, EDUC 898
- Change title, description and/or prerequisite: EDUC 829, EDUC 841, EDUC 860

### **Rationale for change:**

- 1) Market research demonstrated reduced course work adequately prepares students for a competitive post-graduate future and satisfies Teacher Qualification Service standards for category upgrades;
- 2) Flexibility of course offerings may be attractive to students;
- 3) Addition of the Seminar in Educational Psychology (EDUC 841) permits discussion of current topical issues in the field of educational psychology.
- 4) Traditionally in our Faculty and particularly in educational psychology, the MA and MEd are distinguished by the type of research focus and trajectory the candidate engages in. We see the thesis in the MA program as requiring content specific mentorship from cognate faculty information sessions etc. to make these distinctions and to guide students towards the program that they will be most successful in. Many of our students are interested in substantially enhancing their content knowledge and their understanding of current research to inform their practice, and would be directed toward the MEd. Other applicants have the goal of entering careers that are research-intense and lead toward the PhD, and are thus directed to the MA.

### **Specific distinctions between MA and MEd programs:**

(a) Only the MA gives students the experience of completing an original piece of potentially publishable research.

(b) The thesis-based MA is considered a requirement for entering the educational psychology PhD program, and the MEd is usually not sufficient.

(c) The capstones are very distinct: A thesis is a rigorous, original and significant investigation that advances scholarly knowledge. It is likely to be published as a refereed presentation at a national or international scholarly conference or an article in a refereed scholarly journal. An extended essay is a substantial review or analysis of a theory and/or line of empirical research, approximately the same or slightly greater in length compared to a term paper in a course, which most commonly examines its application to practice in a classroom or educational organization. If published, it is most likely to be presented at a local, provincial or regional meeting of professionals. The MA thesis requirement also includes a thesis proposal defence (students must pass this before moving on to conducting the thesis research) and oral defence of the final submitted thesis. This further differentiates it from the extended essays capstone of the MEd, which includes a final presentation (but no defence) of the submitted essays to the

<p>student's pro-tem and one other reader.</p> <p>(d) Faculty mentorship is also starkly different between the two programs. Students in the thesis-based program are mentored in a faculty member's research activities, sometimes paid as research assistants, to develop core skills in producing original research that advances scholarship. Non-thesis based students rarely, almost never, receive this mentoring.</p>
<p>Effective term and year: Fall 2017</p>
<p>Will this change impact current students? If yes, what is the plan for current students?</p> <ol style="list-style-type: none"> <li>1) Students currently in the program will be informed of the changes and will be permitted to choose their requirement term of preference;</li> <li>2) Current students are also welcome (but not required) to enroll in the new 3-credit Seminar in Educational Psychology in Fall 2017, along with the new cohort of students.</li> </ol>

FROM	TO
<p><b>Program Requirements</b> Students complete all of the following required courses:</p> <p><del>EDUC 805 - Social Development in the School Context (3)</del>  <del>EDUC 810 - Methods of Inquiry in Educational Psychology (3)</del>  <del>EDUC 826 - The Neurobiology of Language and Reading Development (3)</del>  <del>EDUC 828 - Instructional Practices for Inclusive Classrooms (3)</del>  <del>EDUC 829 - Contemporary Issues in Learning Disabilities (3)</del>  <del>EDUC 842 - Sociocultural Perspectives on the Psychology of Development and Education (3)</del>  EDUC 860 - Contemporary Theory and Research in Educational Psychology (3)  <del>EDUC 863 - Quantitative Methods in Educational Research (3)</del>  <del>EDUC 876 - Cognitive Intervention Research (3)</del>  EDUC 970 - Systems and Paradigms in Educational Psychology (3)</p> <p><del>In addition to the required courses above, MA</del></p>	<p><b>Program Requirements</b> Students complete all of the following required courses:</p> <p>EDUC 810 - Methods of Inquiry in Educational Psychology (3)</p> <p><b>EDUC 841 - Seminar in Educational Psychology (3)</b></p> <p>and one of</p> <p>EDUC 860 - The Learning Sciences and Education (3)</p> <p>EDUC 970 - Systems and Paradigms in Educational Psychology (3);</p> <p>and one of</p> <p>EDUC 805 - Social Development in the School Context (3)</p> <p>EDUC 842 - Sociocultural Perspectives on the Psychology of Development and Education (3)</p>

<p><del>students complete</del></p> <p><del>EDUC 898 - Master's Thesis (10)</del></p> <p><del><b>Transfer Credit</b></del> <del>Students may apply for transfer credit if</del> <del>graduate course work completed at another</del> <del>institution duplicates courses in this program.</del></p>	<p><del>and one of</del></p> <p><del><b>EDUC 760 - Academic and Social</b></del> <del><b>Behaviour Assessment in Education (3)</b></del></p> <p><del>EDUC 829 - Contemporary Issues in</del> <del>Learning and Developmental Disorders</del> <del>(3)</del></p> <p><del>and a thesis</del></p> <p><del><b>EDUC 886 - MA Thesis (15)</b></del></p>
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conducting the thesis research) and oral defence of the final submitted thesis. This further differentiates it from the extended essays capstone of the MEd, which includes a final presentation (but no defence) of the submitted essays to the student's pro-tem and one other reader.

(d) Faculty mentorship is also starkly different between the two programs. Students in the thesis-based program are mentored in a faculty member's research activities, sometimes paid as RAs, to develop core skills in producing original research that advances scholarship. Non-thesis based students rarely, almost never, receive this mentoring.

Effective term and year: Fall 2017

Will this change impact current students? If yes, what is the plan for current students?

- 1) Students currently in the program will be informed of the changes and will be permitted to choose their requirement term of preference;
- 2) Current students are also welcome (but not required) to enroll in the new 3-credit Seminar in Educational Psychology in Fall 2017, along with the new cohort of students.

FROM	TO
<p><b>Program Requirements</b> Students complete all of the following required courses:</p> <p><del>EDUC 805 – Social Development in the School Context (3)</del>  <del>EDUC 810 – Methods of Inquiry in Educational Psychology (3)</del>  <del>EDUC 826 – The Neurobiology of Language and Reading Development (3)</del>  <del>EDUC 828 – Instructional Practices for Inclusive Classrooms (3)</del>  <del>EDUC 829 – Contemporary Issues in Learning Disabilities (3)</del>  <del>EDUC 842 – Sociocultural Perspectives on the Psychology of Development and Education (3)</del>  <del>EDUC 860 – Contemporary Theory and Research in Educational Psychology (3)</del>  <del>EDUC 863 – Quantitative Methods in Educational Research (3)</del>  <del>EDUC 876 – Cognitive Intervention Research (3)</del>  <del>EDUC 970 – Systems and Paradigms in Educational Psychology (3)</del></p>	<p><b>Program Requirements</b> Students complete all of the following required courses.</p> <p>EDUC 810 - Methods of Inquiry in Educational Psychology (3)</p> <p><b>EDUC 841 - Seminar in Educational Psychology (3)</b></p> <p>and one of</p> <p>EDUC 860 – The Learning Sciences and Education (3)</p> <p>EDUC 970 - Systems and Paradigms in Educational Psychology (3)</p> <p>and one of</p> <p>EDUC 805 - Social Development in the School Context (3)</p> <p>EDUC 842 - Sociocultural Perspectives on the Psychology of Development and Education (3);</p>
<p><del>In addition to the required courses above, MEd</del></p>	



students complete

- ~~five units of elective courses that have been approved by the senior supervisor~~

~~EDUC 883 - MEd Comprehensive Examination (5)~~

**~~Transfer Credit~~**

~~Students may apply for transfer credit if graduate course work completed at another institution duplicates courses in this program.~~

and one of

**EDUC 760 - Academic and Social Behaviour Assessment in Education (3)**

**EDUC 829 - Contemporary Issues in Learning and Developmental Disorders (3)**

and nine units of elective **graduate EDUC** courses that have been approved by the senior supervisor

and two extended essays examined by two readers

**EDUC 885 - MEd Extended Essays (6)**

## Calendar Entry Change for Curriculum and Instruction Master of Arts

<p><b>Summary of change:</b></p> <ol style="list-style-type: none"> <li>1. Change minimum unit course work requirement for thesis option to 20</li> <li>2. Add extended essay capstone option</li> <li>3. Add minimum 24 unit course work requirement for extended essay option</li> <li>4. Change minimum number of courses that will be considered core for a specialization</li> <li>5. Add to list of core courses: EDUC 901A, EDUC 901B, EDUC 902A, EDUC 902B</li> <li>6. Add new courses: EDUC 882, EDUC 901B, EDUC 902B</li> <li>7. Course change: EDUC 901, EDUC 902</li> </ol>
<p><b>Rationale for change:</b></p> <ol style="list-style-type: none"> <li>1. By reducing course work units for thesis option to 20, we allow students more time to deepen their thesis research.</li> <li>2. By adding Extended Essay (with 24 unit course work), we allow students to have an option that's largely course work based and that has the form of a thesis.</li> <li>3. Reducing the minimum number of courses considered core for a specialization allows thesis option students a greater selection of elective courses.</li> <li>4. Adding to the list of core courses creates an opportunity for specializations to include core courses that have been traditionally offered to doctoral students only.</li> </ol>
<p><b>Effective term and year:</b> Fall 2017</p>
<p><b>Will this change impact current students? If yes, what is the plan for current students?</b></p> <ol style="list-style-type: none"> <li>1. This change is not expected to impact students currently in the program.</li> </ol>

FROM	TO
<p><b>Curriculum and Instruction</b></p> <p><b>Master of Arts</b></p> <p>The master of arts (MA) degree signifies the acquisition of advanced knowledge in the student's field of specialization and competence in conducting significant and original research in education. Graduate programs leading to this degree culminates with a master's thesis (EDUC 898).</p> <p>The program is for educators who wish to critically examine current educational theory, research and practice. Participants are encouraged to examine</p>	<p><b>Curriculum and Instruction</b></p> <p><b>Master of Arts</b></p> <p>The master of arts (MA) degree signifies the acquisition of advanced knowledge in the student's field of specialization and competence in conducting significant and original research in education. Graduate programs leading to this degree culminates with a master's thesis (EDUC 898) or two extended essays (EDUC 882).</p> <p>The program is for educators who wish to critically examine current educational theory, research and practice. Participants are encouraged to examine</p>

their own instructional practices and to consider the match between practices and developing education theories.

### 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.

Admission is granted to a specific degree and to a particular program or specialization. Updated application information is available from the Faculty of Education. All applications are reviewed once a year.

### Program Requirements

This program requires a minimum of ~~25~~ units of course work and a thesis (EDUC 898-10).

The program can focus on an area of specialization such as equity studies, foundations, health, French education, imaginative education, or can be pursued as a general program. Each specialization will determine a minimum of ~~three~~ courses that will be considered core for the specialization from the list below. Current information about the specializations is available from the Graduate Programs office in the Faculty of Education. Each ~~program~~ is subject to the normal faculty approval process.

EDUC 816 - Developing Educational Programs and Practices for Diverse Educational Settings (5)  
EDUC 820 - Current Issues in Curriculum and Pedagogy (5)  
EDUC 822 - Evaluation of Educational Programs (5)  
EDUC 823 - Curriculum and Instruction in an Individual Teaching Speciality (5)  
EDUC 830 - Implementation of Educational Programs (5)  
EDUC 833 - Social and Moral Philosophy in

their own instructional practices and to consider the match between practices and developing education theories.

### 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.

Admission is granted to a specific degree and to a particular program or specialization. Updated application information is available from the Faculty of Education. All applications are reviewed once a year.

### Program Requirements

This program requires a minimum of **20** units of course work and a thesis (EDUC 898-10) or a **minimum of 24 units of course work and two extended essays (EDUC 882-6).**

The program can focus on an area of specialization such as **educational theory and practice**, equity studies, foundations, health, French education, imaginative education, or can be pursued as a general program. Each specialization will determine a minimum of **two** courses that will be considered core for the specialization from the list below. Current information about the specializations is available from the Graduate Programs office in the Faculty of Education. Each **specialization** is subject to the normal faculty approval process.

EDUC 816 - Developing Educational Programs and Practices for Diverse Educational Settings (5)  
EDUC 820 - Current Issues in Curriculum and Pedagogy (5)  
EDUC 822 - Evaluation of Educational Programs (5)  
EDUC 823 - Curriculum and Instruction in an Individual Teaching Speciality (5)  
EDUC 830 - Implementation of Educational Programs (5)  
EDUC 833 - Social and Moral Philosophy in

<p>Education (5)  EDUC 837 - Seminar in Education, Equity, and Social Theories (5)  EDUC 855 - Multicultural and Race Relations Education: Policy Development and Program Implementation (5)  EDUC 858 - Intercultural Perspectives and Practices in Francophone School Contexts (5)  EDUC 864 - Research Designs in Education (5)</p> <p><b>Thesis</b></p> <p>Normally, before the fifth course, a master's thesis research plan is presented to the tenured or tenure track member of the faculty whom the student proposes to be senior supervisor. The senior supervisor and at least one other faculty member chosen in consultation with the senior supervisor constitutes the supervisory committee and the student proceeds to the thesis by completing:</p> <p>EDUC 898 - Master's Thesis (10)</p> <p>The master's thesis is examined as prescribed in graduate general regulations 1.9 and 1.10.</p>	<p>Education (5)  EDUC 837 - Seminar in Education, Equity, and Social Theories (5)  EDUC 855 - Multicultural and Race Relations Education: Policy Development and Program Implementation (5)  EDUC 858 - Intercultural Perspectives and Practices in Francophone School Contexts (5)  EDUC 864 - Research Designs in Education (5)  <b>EDUC 901A - Seminar in the History of Educational Theory A (3)</b>  <b>EDUC 901B - Seminar in the History of Educational Theory B (3)</b>  <b>EDUC 902A - Interdisciplinary Seminar in Contemporary Educational Theory A (3)</b>  <b>EDUC 902B - Interdisciplinary Seminar in Contemporary Educational Theory B (3)</b></p> <p><b>Thesis</b></p> <p>Normally, before the fourth course, a master's thesis research plan is presented to the tenured or tenure track member of the faculty whom the student proposes to be senior supervisor. The senior supervisor and at least one other faculty member chosen in consultation with the senior supervisor constitutes the supervisory committee and the student proceeds to the thesis by completing:</p> <p>EDUC 898 - Master's Thesis (10)</p> <p>The master's thesis is examined as prescribed in graduate general regulations 1.9 and 1.10.</p> <p><b>Or</b></p> <p><b>Extended Essays</b></p> <p><b>Students enrolled in this option will submit two extended essays for oral examination by two readers and complete</b></p> <p><b>EDUC 882 - MA Extended Essays (6)</b></p>
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## Calendar Entry Change for Curriculum Theory and Implementation Doctor of Philosophy

**Summary of change:**

1. Change title to Educational Theory and Practice
2. Add title to general stream – Curriculum and Pedagogy Stream
3. Change minimum graduate course work to 18 from 20
4. Change unit value: EDUC 911, EDUC 912, EDUC 921 and EDUC 922 to 3 from 5
5. Replace EDUC 901, EDUC 902 with EDUC 901A, EDUC 901B, EDUC 902A, EDUC 902B
6. Add EDUC 984-3, Qualifying Examination course
7. Remove EDUC 983-5 Comprehensive Examination

**Rationale for change:**

1. The new name, *Educational Theory and Practice*, reflects better the research and scholarship interests of those students we have been attracting to our program: increasingly, our applicants have been from diverse arenas of education and professional fields, whereas, in the past, this program attracted mostly K-12 educators and leaders.
2. The “General” Stream becomes “Curriculum and Pedagogy” to be specific about the area of research and scholarship, namely, teaching and educational program, as in K-12.
3. Changes in course unit values more accurately reflects content
4. The Qualifying Examination course will provide a record of when a doctoral student passes the qualifying examination.
5. “Comprehensive Examination” is increasingly used to prepare students to write their thesis, whereas, historically, it was a way to test students’ breadth and depth of their disciplinary knowledge. By removing Comprehensive Examination and placing a greater emphasis on thesis proposal preparation, we streamline the process and help students focus on their research for thesis work.

**Effective term and year:** Fall 2017

**Will this change impact current students? If yes, what is the plan for current students?**

1. This change is not expected to impact students currently in the program.

FROM	TO
<p><b>Curriculum Theory and Implementation Doctor of Philosophy</b></p> <p>Doctor of philosophy (PhD) degrees signify the acquisition of advanced knowledge in a field of specialization and advanced competence in conducting significant and original education research.</p> <p><del>This program requires successful completion of a minimum of 20 units of course work and</del></p>	<p><b>Educational Theory and Practice Doctor of Philosophy</b></p> <p><b>Description of Program</b></p> <p>Doctor of philosophy (PhD) degrees signify the acquisition of advanced knowledge in a field of specialization and advanced competence in conducting significant and original education research.</p>

~~culminates in a comprehensive examination and a doctoral thesis.~~

#### 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.

Admission is granted to a specific degree and to a particular program or specialization. Updated application information and application deadlines are available from the Faculty of Education.

#### Program Requirements

Students complete all of

~~EDUC 901 – Seminar in the History of Educational Theory (5)~~

~~EDUC 902 – Interdisciplinary Seminar in Contemporary Educational Theory (5)~~

EDUC 911 - Colloquium in Curriculum Theory (I) (5)

EDUC 912 - Colloquium in Curriculum Theory (II) (5)

~~The supervisory committee may require further work in the Faculty of Education or other faculties. Students are encouraged to complete additional courses from related departments outside the Faculty of Education.~~

#### Philosophy of Education Stream

This program stream focuses on three interconnecting themes of ecology, culture and consciousness, and brings relevant philosophical traditions, theories, innovations, and methods to work with these themes.

Students complete all of

~~EDUC 901 – Seminar in the History of Educational Theory (5)~~

~~EDUC 902 – Interdisciplinary Seminar in~~

#### Admission Requirements

**Applicants must satisfy the University admission requirements as stated in Graduate General Regulations 1.3 in the SFU Calendar.** In exceptional circumstances, applicants who do not meet these requirements may be considered if superior scholarly or professional achievement is demonstrated.

Admission is granted to a specific degree and to a particular program and, if applicable, specialization. Updated application information is available from the Faculty of Education.

#### Program Requirements

**The program requires course work and thesis for a minimum of 31 units.**

**Students must complete a minimum of 18 units of graduate course work,**

**and a qualifying examination**

**EDUC 984 – Qualifying Examination (3)**

**and a thesis**

**EDUC 899 - Doctoral Thesis (10)**

**The Qualifying Examination is completed following submission of the research plan and completion of course work.**

**A major part of this program is original research. A thesis describing this is submitted and defended. Upon entry to the program, and every term, students enroll in EDUC 899 – Doctoral Thesis (10).**

**Students may complete one of two optional streams. In lieu of elective course work, students must complete the listed required courses. The supervisory committee may require further course work in the Faculty of Education or other faculties. Students are encouraged to complete additional courses from other programs in Education and/or related departments outside the Faculty of**

**Contemporary Educational Theory (5)**  
EDUC 921 - Seminar in Philosophy and Educational Theory (5)  
EDUC 922 - Advanced Seminar in Epistemology and Education (5)

**Comprehensive Examination**  
All candidates also complete a comprehensive examination by enrolling in ~~EDUC 983~~ **Doctoral Comprehensive Examination (5)**  
Normally, the comprehensive examination is completed in the term in which course requirements are completed, or the term immediately following.

**Thesis**  
A major part of this program is original research. A thesis describing this is submitted and defended. Normally, before the fourth course, a thesis research plan is presented to the supervisory committee. Upon entry to the program, every term, students enrol in:

~~EDUC 899~~ **Doctoral Thesis (10)**

## **Education.**

**Curriculum and Pedagogy Stream**  
Students complete all of the following required courses

EDUC 901A - Seminar in the History of Educational Theory A (3)  
EDUC 901B - Seminar in the History of Educational Theory B (3)  
EDUC 902A - Interdisciplinary Seminar in Contemporary Educational Theory A (3)  
EDUC 902B - Interdisciplinary Seminar in Contemporary Educational Theory B (3)  
EDUC 911 - Colloquium in Curriculum Theory (I) (3)  
EDUC 912 - Colloquium in Curriculum Theory (II) (3)

## **Philosophy of Education Stream**

This program stream focuses on three interconnecting themes of ecology, culture and consciousness, and brings relevant philosophical and wisdom traditions, theories, innovations, and methods to work with these themes.

Students complete all of the following required courses

EDUC 901A - Seminar in the History of Educational Theory A (3)  
EDUC 901B - Seminar in the History of Educational Theory B (3)  
EDUC 902A - Interdisciplinary Seminar in Contemporary Educational Theory A (3)  
EDUC 902B - Interdisciplinary Seminar in Contemporary Educational Theory B (3)  
EDUC 921 - Seminar in Philosophy and Educational Theory (3)  
EDUC 922 - Advanced Seminar in Epistemology and Education (3)



**Please note:**

To view the Fall 2016 Academic Calendar go to <http://www.sfu.ca/students/calendar/2016/fall.html>

Department of Earth Sciences | Faculty of Science  
Simon Fraser University Calendar | Spring 2017

## Earth Sciences

MASTER OF SCIENCE

### Admission Requirements

See graduate general regulations 1.3 for additional information.

Students should normally have a bachelor of science (BSc) degree, or equivalent, with honours, with at least a good second class standing (3.0 GPA) in the earth sciences (geology, geological engineering, geophysics, geomorphology, soil science or physical geography).

### Program Requirements

See graduate general regulations for additional information and requirements.

#### Course Work

Students complete

EASC 600 - Introduction to Graduate Studies (0)

and a minimum of 12 units composed of at least four EASC graduate courses, or with the graduate chair's approval, from related graduate courses in other departments such as geography, chemistry, physics, biological sciences, and resource and environmental management. Course selections will include no more than six units from 700 division EASC courses. The actual course selection will be a reflection of the student's research interest and guidance from the senior supervisor.

#### Thesis

Graduate students will be required to conduct original research and report their results in a thesis.

## Academic Requirements within the Graduate General Regulations



All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations, as well as the specific requirements for the program in which they are enrolled.

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## Earth Sciences

### Master of Science

### Description of Program

Earth sciences comprise a variety of disciplines in which pure and applied research is carried out to investigate the processes responsible for the formation and evolution of our planet. The master of science (MSc) program combines coursework and research, training students for a broad range of careers in geoscience.

### Admission Requirements

Applicants must satisfy the University admission requirements as stated in Graduate General Regulations 1.3 in the SFU Calendar. Applicants should normally have a Bachelor of Science (BSc) degree, or equivalent, with at least a good second class standing (3.0 GPA) in the Earth sciences or a related discipline.

### Program Requirements

This program consists of courses, a colloquium and a thesis for a minimum of 30 units. The courses selected will reflect the student's research interests and guidance from the senior supervisor. No more than six units of 700 division EASC courses may be used towards the program requirements.

Students must complete

EASC 600 - Introduction to Graduate Studies (0)

A minimum of 12 units of EASC graduate courses (or related graduate courses from other departments with the graduate program chair's approval)

EASC 810 - MSc Thesis Proposal (0)

EASC 898 - MSc Thesis (18)

Students undertake original research, the results of which are reported in a thesis and defended before an examining committee (see Graduate General Regulation 1.9.1).

### Program Length

Students are expected to complete the program requirements in six terms.

### Academic Requirements within the Graduate General Regulations

All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations, as well as the specific requirements for the program in which they are enrolled.



**Please note:**

To view the Fall 2016 Academic Calendar go to <http://www.sfu.ca/students/calendar/2016/fall.html>

Department of Earth Sciences  
Simon Fraser University Calendar | Spring 2017

## Earth Sciences

### DOCTOR OF PHILOSOPHY

## Admission Requirements

Applicants normally will have completed a master's degree in science or engineering. Admission to the doctor of philosophy (PhD) program is governed by the minimum University requirements (see graduate general regulation 1.3.4 ).

For students entering without a master's degree, the following additional requirements apply.

### Entry with a BSc or Equivalent Degree

- a 3.67 cumulative grade point average or equivalent first class standing
- completion of a thesis or other scholarly work

### Transfer from MSc to PhD Program

- at least 12 months in the Earth Sciences MSc program
- a 3.67 cumulative grade point average
- completion of a thesis or other scholarly work
- approval of the student's supervisory committee and the departmental graduate program committee

## Program Requirements

The program will normally be completed in 12 terms (four years) and not more than 15 terms (five years).

### Minimum Grade

Students must maintain a 3.0 cumulative grade point average (CGPA) in course work (see graduate general regulation 1.5.1 ). Failure to do so is evidence of unsatisfactory progress (see graduate general regulation 1.5.4 ).

## Course Work

Students complete all of

EASC 600 - Introduction to Graduate Studies (0)

EASC 901 - PhD Research Seminar (1)

EASC 998 - PhD Thesis (6)

In addition, those who entered the program with a BSc degree only are required to complete an additional 15 units in graduate courses, whereas for those who entered with a master's degree, an additional six units of graduate courses are required. With the graduate chair's approval, students may substitute related graduate courses from other departments/programs including physical geography, chemistry, physics, biological sciences, and the resource and environmental management. No more than six units from 700 division EASC courses will be permitted.

With advance approval, students may complete up to one half of the above course requirements at another university. Additional course work may be assigned by the supervisory committee, based on the results of the oral candidacy examination.

## Research Seminars

In addition to normal course work, PhD students must give one research seminar, which should be based on completed, or nearly completed, thesis work:

EASC 901 - PhD Research Seminar (1)

Students are expected to attend all the research seminars in the department.

## Oral Candidacy Examination

Students complete an oral candidacy exam prior to the end of the fourth term of enrolment, or in the first term after transferring from the MSc program.

The student submits a written thesis proposal to the supervisory committee and presents it at the beginning of the oral candidacy exam, which is followed by an oral exam. The student demonstrates an ability to conduct independent research, and have a sufficient command of the studied discipline to explain the research proposal and defend it. The examination must be successfully completed prior to undertaking any significant thesis research.

The exam concentrates on a major and two minor research areas, as agreed by the supervisory committee and student, and is graded satisfactory/unsatisfactory by an examining committee of the supervisory committee and one external member. Students with an unsatisfactory grade must pass a second exam within six months; a second unsatisfactory rating results in withdrawal.

## Thesis

Students define and undertake original research, the results of which are reported in a thesis and is then defended before an examining committee (see graduate general regulation 1.9.3).

Students must conform to residence requirements graduate general regulations 1.7.3

## Progress Review

The student's progress is reviewed every 12 months by a supervisory committee of three or more faculty (see graduate general regulation 1.8.1 ). The senior supervisor will be an earth sciences faculty member approved by the graduate program committee. At each review, the student presents a summary of work to date, with the first review being the oral candidacy exam when the thesis proposal is to be presented. Students with unsatisfactory research progress, or failing to demonstrate satisfactory knowledge and

understanding of recent publications in their research area, or failing to have their revised research proposal approved by the supervisory committee within 18 months of admission may be required to withdraw (see graduate general regulation 1.8.2 ).

## Academic Requirements within the Graduate General Regulations

All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations, as well as the specific requirements for the program in which they are enrolled.

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## **Earth Sciences**

### **Doctor of Philosophy**

#### **Description of Program**

Earth sciences comprise a variety of disciplines in which pure and applied research is carried out to investigate the processes responsible for the formation and evolution of our planet. The doctor of philosophy (PhD) program combines coursework and research, training students for a broad range of careers in geoscience.

#### **Admission Requirements**

Applicants must satisfy the University admission requirements as stated in Graduate General Regulations 1.3 in the SFU Calendar. Applicants normally will have completed a master's degree in science or engineering. For students entering without a master's degree, the following additional admission requirements apply:

##### **Entry with a BSc or equivalent degree**

- A cumulative grade point average of at least 3.67 or equivalent first class standing;
- Evidence of research potential in the form of a scholarly work or portfolio of scholarly works (see Department of Earth Sciences website).

##### **Transfer from MSc to PhD Program**

Students who have excelled in their academic programs and who are judged to have outstanding research potential may apply for transfer from the MSc to the PhD program. The following are required:

- At least three terms, and not more than six terms, in the Earth sciences MSc program;
- A cumulative grade point average of at least 3.67 in the MSc program;
- A record of strong performance as demonstrated in the student's progress report(s);
- Successful completion of the master's colloquium as documented in the colloquium report;
- Evidence of research potential in the form of a scholarly work or portfolio of scholarly works (see Department of Earth Sciences website);
- A doctoral thesis proposal (see PhD program requirements);
- Approval of the student's supervisory committee in the form of a letter of recommendation from the senior supervisor and written approval of the committee members. The letter should address any perceived shortcomings in the application, including for example, a marginal CGPA or a limited record of scholarly work;
- Approval of the departmental graduate program committee.

#### **Program Requirements**

This program consists of courses, a candidacy exam, a research seminar and a thesis. The courses selected will reflect the student's research interests and guidance from the senior supervisor. Additional course work may be assigned by the supervisory committee based on the results of the candidacy examination.

REVISED  
EARTH SCIENCES PhD

Students must complete

EASC 600 – Introduction to Graduate Studies (0)\*

A minimum of six units of graduate courses in EASC (or related graduate courses from other departments with the graduate program chair's approval)\*\*

EASC 910 – Candidacy Examination (0)

EASC 901 – PhD Research Seminar (1)

EASC 998 – PhD Thesis (18)

\* If EASC 600 was previously completed during the MSc it does not need to be taken again.

\*\* Students who enter the PhD program without a master's degree, or who transfer from the MSc program into the PhD program, must complete at least 15 units of graduate courses.

### **Candidacy Examination**

Students complete an oral candidacy examination prior to the end of the fourth term of enrolment, or in the first term after transferring from the MSc program. Students with an unsatisfactory outcome must pass a second exam within six months. A second unsatisfactory outcome will result in withdrawal from the program.

### **Research Seminars**

PhD students must give one research seminar, which should be based on completed, or nearly completed, thesis work. Students are expected to attend all research seminars in the department.

### **Thesis**

Students define and undertake original research, the results of which are reported in a thesis and defended before an examining committee (see graduate general regulation 1.9.3).

### **Program Length**

Students are expected to complete the program requirements in 12 terms.

### **Academic Requirements within the Graduate General Regulations**

All graduate students must satisfy the academic requirements that are specified in the Graduate General Regulations, as well as the specific requirements for the program in which they are enrolled.