

	<p>MASTER OF EDUCATION DEGREE CURRICULUM & INSTRUCTION, NUMERACY</p> <p>FALL 2009 – SUMMER 2011 PRINCE GEORGE, BC</p>																											
<p>Program Outline:</p>	<p>This two year program is designed for elementary and middle school teachers who wish to: examine multiple perspectives on teaching and learning of mathematics, explore interconnection between mathematic and numeracy, and to enhance their own personal problem solving skills.</p> <p>This MEd program is designed around the definition of numeracy as 'mathematics in action'. As such, the program is designed on the principle that mathematics is best learned, and hence, best taught through an emphasis on 'doing' mathematics. Thus, the program seeks to:</p> <ol style="list-style-type: none"> a) Change the enrollee's conceptions of what mathematics is both through personal experience and the examination of contemporary mathematics education literature. b) Help the enrollees to construct an understanding of numeracy through the examination of educational literature, curriculum documents, as well as a multi-dimensional survey of the utility of mathematics. c) Facilitate a transformation of educational practice to one that will be commensurate with the newly evolving understandings of mathematics and numeracy. 																											
<p>Program Description:</p>	<p>This cohort-based program extends over six semesters, beginning in Fall 2009 and concluding in Summer 2011. The Master of Education degree in Numeracy is awarded following the successful completion of a series of seven courses and a culminating Comprehensive Examination.</p>																											
<p>Format:</p>	<p>During the Fall and Spring Semesters (September - December and January - April) classes will typically be held on weekends (Friday evening and Saturday). Course work in the Summer semester consists of two weekends (prior to July) and two intensive weeks of classes in July.</p>																											
<p>Course Work:</p>	<table border="1" data-bbox="488 1255 1201 1554"> <thead> <tr> <th>Year</th> <th>Semester</th> <th>Offering</th> </tr> </thead> <tbody> <tr> <td>2009</td> <td>Fall (September-November)</td> <td>EDUC 711</td> </tr> <tr> <td>2010</td> <td>Spring (January-April)</td> <td>EDUC 823</td> </tr> <tr> <td>2010</td> <td>Summer (May-July)</td> <td>EDUC 845</td> </tr> <tr> <td>2010</td> <td>Fall (September-November)</td> <td>EDUC 846</td> </tr> <tr> <td>2010</td> <td>Fall (November-December)</td> <td>EDUC 864</td> </tr> <tr> <td>2011</td> <td>Spring (January-April)</td> <td>EDUC 811</td> </tr> <tr> <td>2011</td> <td>Summer (May-June)</td> <td>EDUC 816</td> </tr> <tr> <td>2011</td> <td>Summer (July)</td> <td>EDUC 883</td> </tr> </tbody> </table> <p><i>Note: Graduate Programs reserves the right to make course changes as appropriate</i></p>	Year	Semester	Offering	2009	Fall (September-November)	EDUC 711	2010	Spring (January-April)	EDUC 823	2010	Summer (May-July)	EDUC 845	2010	Fall (September-November)	EDUC 846	2010	Fall (November-December)	EDUC 864	2011	Spring (January-April)	EDUC 811	2011	Summer (May-June)	EDUC 816	2011	Summer (July)	EDUC 883
Year	Semester	Offering																										
2009	Fall (September-November)	EDUC 711																										
2010	Spring (January-April)	EDUC 823																										
2010	Summer (May-July)	EDUC 845																										
2010	Fall (September-November)	EDUC 846																										
2010	Fall (November-December)	EDUC 864																										
2011	Spring (January-April)	EDUC 811																										
2011	Summer (May-June)	EDUC 816																										
2011	Summer (July)	EDUC 883																										
<p>EDUC 711-5</p>	<p>Special Topics: Conceptions of Numeracy Exploration of the notion of numeracy and its role in contemporary society. Examination and enhancement of personal numeracy through emersion in a problem-solving environment.</p>																											
<p>EDUC 823-5</p>	<p>Curriculum and Instruction in Individual Teaching Specialty An intensive examination of developments in a curriculum area. In addition the course will deal with major philosophical and historical factors that influence the present state and future directions of curriculum and instruction. <i>Emphasis on teaching and learning mathematics, the nature of the learner and function of the teacher.</i></p>																											

EDUC 845-5	Learning Mathematics with Computers Experience in incorporating computers in mathematical problem solving, adaptation of materials for use in mathematics classroom. <i>Examination of computer literacy vs. numeracy.</i>																		
EDUC 846-5	Foundations of Mathematics Education An examination of historical, cultural and psychological forces shaping mathematics curriculum, current developments in mathematics curriculum, and in mathematics education research.																		
EDUC 864-5	Research Designs in Education Designing and interpreting research about education. Introduction of survey techniques, correlation design, classic experimental and evaluation design for investigation causal relations, case study methods, interpretive approaches to research. <i>Emphasis on Action Research in preparation for Fieldwork.</i>																		
EDUC 811-5	Fieldwork Developing and implementing a change in personal instructional practice. Recording, analyzing and reporting the impact on students and self.																		
EDUC 816-5	Development of Educational Programs Theories and practices for planning and developing programs in educational institutions. <i>Emphasis on analyzing current local initiatives and resources. Development of a personal or school-wide program focused on enhancing numeracy.</i>																		
EDUC 883-5	MEd Comprehensive Examination The examination will entail reflective analysis of the students' experiences. Further detail will follow.																		
Program Fees:	The basic tuition for 2009/10 is \$2,484.30 per semester. Additional fees covering student society, athletic/recreation and transit may also be assessed each semester. (All fees are subject to changes, subject to provincial legislation and Board of Governors' approval.) These fees are subject to increases each academic year. For complete details relating to fees and graduate regulations, please review the website: http://www.sfu.ca/dean-gradstudies/ .																		
Information / Contacts:	<p>For academic queries, please contact the Faculty / Site Sponsors:</p> <table> <tr> <td>Dr. Peter Liljedahl</td> <td>Dr. Rina Zazkis</td> </tr> <tr> <td>T: 778.782.5643</td> <td>T: 778.782.3662</td> </tr> <tr> <td>Email: liljedahl@sfu.ca</td> <td>Email: zazkis@sfu.ca</td> </tr> </table> <p>For the admission process, please contact:</p> <table> <tr> <td>MEd Program Assistant</td> <td>Telephone: 778-782-5951</td> </tr> <tr> <td>Graduate Programs</td> <td>Fax: 778-782-8119</td> </tr> <tr> <td>Faculty of Education</td> <td>website: http://cgp.educ.sfu.ca/</td> </tr> <tr> <td>Simon Fraser University</td> <td>Email: cpmed@sfu.ca</td> </tr> <tr> <td>250 – 13450, 102 Avenue</td> <td></td> </tr> <tr> <td>Surrey, BC V3T 0A3</td> <td></td> </tr> </table>	Dr. Peter Liljedahl	Dr. Rina Zazkis	T: 778.782.5643	T: 778.782.3662	Email: liljedahl@sfu.ca	Email: zazkis@sfu.ca	MEd Program Assistant	Telephone: 778-782-5951	Graduate Programs	Fax: 778-782-8119	Faculty of Education	website: http://cgp.educ.sfu.ca/	Simon Fraser University	Email: cpmed@sfu.ca	250 – 13450, 102 Avenue		Surrey, BC V3T 0A3	
Dr. Peter Liljedahl	Dr. Rina Zazkis																		
T: 778.782.5643	T: 778.782.3662																		
Email: liljedahl@sfu.ca	Email: zazkis@sfu.ca																		
MEd Program Assistant	Telephone: 778-782-5951																		
Graduate Programs	Fax: 778-782-8119																		
Faculty of Education	website: http://cgp.educ.sfu.ca/																		
Simon Fraser University	Email: cpmed@sfu.ca																		
250 – 13450, 102 Avenue																			
Surrey, BC V3T 0A3																			