

# FACULTY of EDUCATION

## Master of Education in Leadership in Learning Focus on Mathematics Education

The Faculty of Education is introducing a new focus on Mathematics Education in the Master of Education (MEd) in Leadership in Learning program. Students will be mentored towards leading reform in the way mathematics is taught and learned from Kindergarten to Grade 12.



### Highlights of this special cohort include:

- Ten courses (blended delivery, all focused on mathematics education). Six courses offered online (onsite option for local students); four courses offered onsite in two summer institutes (beginning and end of the program).
- Modular design to learn about Critical Pedagogy in key areas of mathematics. An optional substitution for 1 Critical Pedagogy module can be completed during a trip to the New York Mathematics Museum (additional costs).
- Academic Reading and Writing preparation.
- Competitive tuition fees.
- Program completion within 24 months.

### ADMISSION REQUIREMENTS

An undergraduate or graduate degree from an approved university with an average of 70% or higher in the last 20 courses (60 credit hours). An applicant who lacks a degree, or an applicant who possesses a degree with an academic average under 70%, may be considered for admission under exceptional circumstances. Visit [upei.ca/med](http://upei.ca/med) for more information on the application process.

### For more information, please contact:

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## Program Schedule – MEd Focused on Mathematics Education: July 2016 to August 2018

<b>SUMMER INSTITUTE July 7-22, 2016</b>		
<b>ED 619 Critical Pedagogy</b> <i>July 7 and 8, 2016</i>	Students examine the social conditions and practices that shape education in mathematics. <b>PART I:</b> Students complete two 8-hour modules over two days.	Onsite 16 hours
<b>ED 611 Introduction to Research Methods in Education</b> <i>Sunday July 10, 2016</i>	Students are introduced to a variety of research methods focused on mathematics education. <b>PART I</b> is an 8-hour module introducing participants to reading and writing techniques used in mathematics research.	Onsite 8-hours
<b>ED 615 Educational Leadership</b> <i>July 11 – 15, 2016</i>	Students examine the field of educational leadership in education focused on mathematics. <i>*1 Week Intensive</i>	Onsite
<b>ED 626 Technology: Leadership in Learning</b> <i>July 18 – 22, 2016</i>	Students examine and critique current research trends in information and communication technologies focused for teaching and learning mathematics. <i>*1 Week Intensive</i>	Onsite 1-Week Intensive
<b>FALL SEMESTER September – December, 2016</b>		
<b>ED 619 Critical Pedagogy</b>	<b>PART II:</b> Students examine the social conditions and practices that shape education through six, 4-hour modules. <b>New York Mathematics Museum Visit is an Optional Module (additional fee) * 6 Saturdays; 4-hour morning modules online with an on-campus option; 2 each in September, October, November. Optional substitution for 1 Module is a New York Mathematics Museum Visit (additional fee).</b>	Online; Onsite Option
<b>ED 611 Introduction to Research Methods</b>	<b>PART II:</b> Students are introduced to a variety of research methods focused on mathematics education.	Online; Onsite Option
<b>WINTER SEMESTER January – April, 2017</b>		
<b>ED 612 Quantitative Research Design</b>	Students explore the characteristics of quantitative methodology for research on mathematics education.	Online; Onsite Option
<b>SUMMER INSTITUTE July, 2017</b>		
<b>ED 601 Classroom and Large-Scale Assessment</b>	Students examine classroom and large-scale assessment theories and practices focusing on mathematics education. <i>*1 Week Intensive</i>	Onsite
<b>ED 625 Curriculum: Leadership in Learning</b>	Students examine research into recent curriculum developments for teaching and learning focused on mathematics in pedagogically sound ways. <i>*1 Week Intensive</i>	Onsite
<b>FALL SEMESTER September – December, 2017</b>		
<b>ED 614 Theories of Research and Learning</b>	Students address the role of theory in educational research focused on mathematics education.	Online
<b>WINTER SEMESTER January - April, 2018</b>		
<b>ED 617 Issues in Educational Leadership</b>	Students examine current issues in educational leadership focused on mathematics.	Online
<b>SPRING Semester May – June, 2018</b>		
<b>ED 601 Mathematics Through Arts</b>	Students explore the mathematics and art connection, and teaching and learning between the lines. <i>*6 Weeks Intensive</i> <b>*Program Completed in June 2018. Graduation in May 2019.</b>	TBA