

The Vermont Mathematics Initiative is offering our signature course at UVM Spring 2011

Mathematics as a Second Language (MSL)

The major theme is understanding algebra and arithmetic through language. The objective is to provide a solid conceptual understanding of the operations of arithmetic, as well as the interrelationships among arithmetic, algebra, and geometry. Topics include arithmetic vs. algebra; solving equations; place value and the history of counting; inverse processes; the geometry of multiplication; the many faces of division; rational vs. irrational numbers; and the one-dimensional geometry of real numbers. In K-12 application of content, teachers will examine the Vermont Grade Expectations for the strand of Arithmetic, Number and Operations and demonstrate an understanding of how the concepts associated with this strand of mathematics develop across the grades.

January 14 & 15 8:00-4:00

January 26 4:00-8:00

February 9 & 16 4:00-8:00

March 2 & 16 4:00-8:00

April 6 4:00-8:00

Cost-3 UVM Graduate Credits \$1554

an additional \$30 assessed for copy/text fee

For registration information please contact the VMI office at:

656-8186

vmi@cems.uvm.edu

