

SE&T Colloquium Series-Winter 2017

Speaker	Mr. Alec Ward Department of Mathematical Sciences Advisor: Dr. Hasan Al-Halees
Title	<i>How a parabola can be a source of difference equations?</i>
Abstract	A function has complete control over its own tangent lines. But the question is how much influence those tangent lines might have on its own function? To find an answer to this question, we turn our attention first to the parabola and explore how it can be a source of difference equations. A difference equation, often referred to as a recurrence relation, relates a term of a sequence to previous terms in the sequence. We start with an arbitrary tangent line of a parabola and construct a special sequence of lines to build up a number of difference equations which have applications to real world situations.
Date	Thursday, April 13
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.