

SE&T Colloquium Series-Fall 2014

Speaker	Dr. Garry Johns Department of Mathematical Sciences
Title	<i>Using the Effect Size to Compare Instructional Methods</i>
Abstract	When faculty members think about using a different teaching strategy, they often ask two questions: (1) Will this method increase student achievement? (That is, will it have an effect?) and (2) Will the impact be enough to justify the change? (That is, what is the effect size?) In this talk I will discuss a statistical estimate of effect size defined by Cohen and relate it to percentiles, the p-value obtained when testing hypotheses, and the Pearson correlation coefficient. I will also summarize the strengths and misuses of this practical (and sometimes, contentious) statistical tool by comparing several examples related to the university classroom.
Date	Tuesday, October 14
Time	4:10-5:00pm
Place	Pioneer 242
	Refreshments will be served at 4:00pm.