

SE&T Colloquium Series-Fall 2015

Speaker	Dr. Allen Schwenk Department of Mathematics Western Michigan University
	Host: Dr. Garry Johns
Title	<i>Mathematical Induction: The Good, the Bad, and the Ugly</i>
Abstract	Of course math induction is good. But some of my students have picked up bad habits when using induction; and many of the examples we use to teach the topic are, sad to say, just plain ugly. I wish to show a number of examples of proof by induction. Many of them are elegant, but not the standard examples we see in textbooks. Induction does not always proceed one step at a time. Some proofs that look good, can contain hidden errors. Can you discern the difference between the good proofs, the bad ones, and the ugly?
Date	Tuesday, September 29
Time	4:10-5:00pm
Place	Pioneer 240
	Refreshments will be served at 4:00pm.