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**Speaker:** Jennifer Garbett  
University of Notre Dame

Monday, December 9, 2013  
4:00 PM  
229 Hayes-Healy Hall

**Title:** Minkowski's Theorem

**Abstract:**

Minkowski's theorem, proved by Hermann Minkowski in 1889 became the foundation of the Geometry of Numbers, which Minkowski introduced to solve problems in number theory. In this talk, we introduce Minkowski's theorem and prove a special case. We then discuss a few applications of the theorem and use it to solve Polya's Orchard Problem. This talk will be very basic and should be widely accessible, as any required background material will be included.