



---

**Speaker:** Tim Bays  
University of Notre Dame, Department of Philosophy

Thursday, December 4, 2014  
2:00 PM  
258 Hurley Hall

**Title:** Some remarks on Tennenbaum's Theorem

**Abstract:**

There's a natural idea that our understanding of the structure of the natural numbers somehow stems from our understanding of the axioms of arithmetic. In recent years, several philosophers have invoked Tennenbaum's Theorem in connection with this idea. In this talk, I'll try to clarify the role that Tennenbaum's theorem can and cannot play here. I'll then explain the real problem with the idea that axioms are foundational to our understanding of arithmetic.