

Seminar

**Brad Dart,
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**Tuesday, July 2, 2013
2:00p.m., HH3017**

An Introduction to Categories and Morphisms

Abstract:

This talk will be a basic introduction to category theory, starting with the definitions of category and morphism, and providing a plethora of examples. Categories (and functors) first appeared in the 1940s in algebraic topology, but have come to take on a life of their own. They provide a general language for translating problems of one domain into another and have been since applied in theoretical physics, computer science, and biology. The purpose of the talk is to show the widespread appearance of categories in mathematics and should be of interest to students of math, physics, philosophy, and computer science with a taste for abstract mathematics.