You are invited to join us for a department colloquium:

Title: What is mathematical logic?

Speaker: Roman Kossak, Bronx Community College

Date: Wednesday, March 7, 2012, 12:15–1:05

Location: Kiely 242

Abstract: Of course, I will not give a satisfactory answer to such a general question. Instead I will present several results, old and recent, concerning definable sets over classical mathematical structures. What makes those results part of logic is the concept of first-order definability and its variants. Examples will include the ring of integers and its fraction field, real closed fields, algebraically closed fields and their expansions. The key model theoretic notions involved are strong minimality and $o$-minimality.

For more information and upcoming speakers, visit [http://www.qc.cuny.edu/mathcolloq](http://www.qc.cuny.edu/mathcolloq). Contact chanusa@qc.cuny.edu to speak in the colloquium or to be added to the mailing list.