Number Theory Seminar

Fourier Coefficients of Modular and Vector-Valued Forms III

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ABSTRACT: The study of modular forms has a long and rich history, particularly in multiplicative number theory. Much of this interest is due to the interesting arithmetic functions that appear as Fourier coefficients of modular forms. In this final talk, I will discuss the extension of Hecke's method to logarithmic vector-valued modular forms. I will also briefly discuss some results on the coefficients of Poincaré series, both in the classical setting and for vector-valued modular forms. The talk should be very accessible to graduate students.

Wednesday, October 3, 2012
2:40 - 4:00 PM
Room 527 Wachman Hall
Department of Mathematics