

SPEAKER: Kimball Martin (University of Oklahoma)

TITLE: Eisenstein congruences in higher rank

ABSTRACT: For a prime  $N$  and a prime  $p$  dividing  $(N - 1)/12$ , Mazur proved the existence of a weight 2 level  $N$  elliptic cusp form congruent mod  $p$  to an Eisenstein series. We will generalize this result to automorphic forms on higher rank groups using mass formulas for relevant lattices. This is joint work with Satoshi Wakatsuki.