



UNIVERSITY OF CALIFORNIA RIVERSIDE

DEPARTMENT OF MATHEMATICS

SPECIAL COLLOQUIUM

Professor Scott Nollet

"Introduction to the Noether-Lefschetz Theorem"

Abstract: The Noether-Lefschetz Theorem describes the Picard group of a general smooth surface of fixed degree in projective 3-space. I plan to use many examples to describe the ingredients that go into the statement of the theorem, including divisors, linear equivalence, and the Picard group. Time permitting, I will mention a recent generalization to class groups of singular surfaces containing a fixed curve.

Friday, March 20, 2009

Surge 268

4:10-5:00pm

Tea Time at 3:30pm in Teachers Lounge