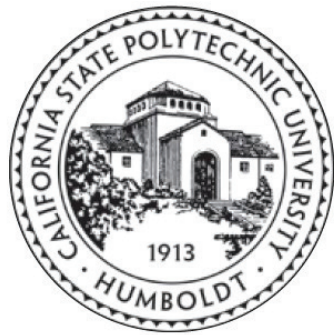




Arithmetic Geometry: From Circles to Circular Counting

Dr. Adriana Salerno

I will show you a glimpse of one of the most exciting facets of research in modern number theory: **arithmetic geometry**. We will start with a (gentle) introduction to this area of research through some familiar examples. Then we will move on to a not so familiar example where we count solutions of equations *mod* p . I will end by answering two of the oldest and most mystifying questions in mathematics: how does this work fit into the bigger picture, and who cares?

THURSDAY
Oct. 9, 2025

4:00 PM
SCI B 135

FOR MORE INFO GO TO <https://math.humboldt.edu/get-involved/mathematics-colloquium>
We cordially invite you to the PRE-COLLOQUIUM TEA in BSS#312
at 3:30 PM