Ph.D. in Mathematics and Computer Science

Academic year 2023/2024

TOPICS IN ALGEBRA
Cohomology of groups and local-global questions

Laura PALADINO - **University of Calabria**

One century ago Hasse proved his famous local-global principle on quadratic forms as a generalization of a theorem produced by Minkowski. Since then local-global problems have been a main topic in algebraic number theory. These questions often have an equivalent formulation in the cohomology of groups, which is widely studied in algebra. The course provides a brief introduction to the cohomology of groups, the p-adic completions, the Hasse-MInkowski theorem on quadratic forms and subsequent local-global problems.

MON 06/05 - MT 10
WED 08/05 - MT 12
FRI   10/05 - MT 12
MON 13/05 - MT 12

DeMaCS

📍 **CUBO 30 B - 2ND FLOOR**

🕐 **15:00 - 18:00**