

Titolo del corso	Topics in Algebra
Sottotitolo	Cohomology of groups and local-global questions
Docente	Laura Paladino
Abstract	<p>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.</p>