

Introduction to Algebraic Geometry, 5.0 credits

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Third-cycle education course

MAI0128

Dept of Mathematics

Valid from: First half-year 2023

Approved by
Head of Department

Approved

Registration number

Entry requirements

Basic knowledge of geometry and algebra.

Contents

Curves, Affine varieties: Nullstellensatz and normalization, Coordinate Rings.
Projective Varieties. Tangent Bundles. Coverings of Curves.

Educational methods

Lectures and homework.

Examination

Hand-in exercises.

Grading

One-grade scale

Course literature

M. Reid, "Undergraduate Algebraic Geometry" Cambridge Univ. Press.