

Heures (Hebdo) 4

Cours	2
Exercices	2
Pratique	0
Total	56

Langue	anglais
Semestre	Printemps
Mode d’évaluation	Examen oral
Session	Juillet

Format de l’enseignement

Cursus Type ECTS

Pas de cursus - -

# Algebraic curves

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## Objectifs

This course gives an introduction to algebraic geometry and develops the theory of complex algebraic curves.

## Description

1. Projective space(s). Plane algebraic curves. Bezouts theorem.
2. Rational curves.
3. Algebraic curves as complex manifolds. Branched coverings. The Riemann-Hurwitz formula.
4. Line bundles and divisors on curves.
5. The Riemann-Roch theorem for curves.
6. Metrics of constant negative curvature and uniformization theorem.
7. Moduli of elliptic curves.

## Divers

## Commentaires