



COURSE: GEOMETRY

TEACHER: COSSIDENTE ANTONIO

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website:

Language italian

ECTS: 9

n. of hours:90

Academic year: 2014/2015

Campus:Macchia  
Romana

Semester: 1

TOPICS Foundations of linear algebra and analytic geometry.

TEACHING METHODS (please tick one or more options)

Theoretical lessons

Tutorials in classroom

Tutorials in laboratory

Project works

Technical visits

Other activities (please specify) \_\_\_\_\_

TEXTBOOKS

E. Sernesi, Geometria I, Bollati Boringhieri

ON-LINE EDUCATIONAL MATERIAL

web address:

LEARNING OUTCOMES

The main purpose of the course is to transfer to the students the basics of linear algebra and analytic geometry.

REQUIREMENTS

Polynomial techniques, Trigonometry, elementary algebra.

EVALUATION METHODS (please tick one or more options)

Intermediate verifications

Written examination

Discussion of a project work

Practical test

Oral examination

Other methods (please specify) \_\_\_\_\_

DETAILED CONTENT

Vector Spaces, Subspaces, Bases, Linear maps, Matrices, Determinants, Rank of a matrix, Eigenvectors and eigenvalues of linear operators, Scalar Products, Bilinear Forms, Affine spaces and affine subspaces

SEMINARS BY EXTERNAL EXPERTS YES  NO

FURTHER INFORMATION



Università degli Studi della Basilicata  
**Scuola di Ingegneria**

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