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COURSE: Geometry

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ACADEMIC YEAR: 2016/2017

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TYPE OF EDUCATIONAL ACTIVITY: Basic

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TEACHER: Cossidente Antonio

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web:

phone: 0971205852

mobile (optional): 3204233352

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Language: Italian

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ECTS: 9

n. of hours: 90

Campus: Potenza (SI)  
Program:

Semester: II

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#### EDUCATIONAL GOALS AND EXPECTED LEARNING OUTCOMES

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

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#### PRE-REQUIREMENTS

Polynomial techniques, Trigonometry, elementary algebra.

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#### SYLLABUS

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

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#### TEACHING METHODS

Theoretical lessons and Classroom tutorials

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#### EVALUATION METHODS

Written and oral examinations.

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TEXTBOOKS AND ON-LINE EDUCATIONAL MATERIALE. Sernesi, Geometria I, Bollati Boringhieri

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#### INTERACTION WITH STUDENTS

Tutoring and e-mail contacts

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#### EXAMINATION SESSIONS (FORECAST)

*9/02/2017 – 15/04/2017-30/06/2017-2/09/2017-9/12/2017*

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#### EVALUATION BOARD

A. Cossidente, A. Siciliano, A. Sonnino, G. Korchmaros

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SEMINARS BY EXTERNAL EXPERTS    YES     NO

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#### FURTHER INFORMATION

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