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COURSE: GEOMETRY

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ACADEMIC YEAR: 2019/2020

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mobile (optional):

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TYPE OF EDUCATIONAL ACTIVITY: Basic TEACHER: COSSIDENTE ANTONIO

Language: italian

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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 geometr*

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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 MATERIAL

E. Sernesi, GEOMETRIA I, Bollati Boringhieri

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#### INTERACTION WITH STUDENTS

Tutoring and e-mail contacts

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#### EXAMINATION SESSIONS (FORECAST)

*6/2/2020, 10/4/2020, 5/6/2020, 4/9/2020, 11/12/2020*

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SEMINARS BY EXTERNAL EXPERTS YES  NO  FURTHER INFORMATION

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