UNIVERSITÀ DI PAVIA

Anno Accademico 2021/2022

GEOMETRY AND ALGEBRA

Enrollment year	2021/2022
Academic year	2021/2022
Regulations	DM270
Academic discipline	MAT/03 (GEOMETRY)
Department	DEPARTMENT OF CIVIL ENGINEERING AND ARCHITECTURE
Course	CIVIL AND ENVIRONMENTAL ENGINEERING
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	1st semester (27/09/2021 - 21/01/2022)
ECTS	6
Lesson hours	60 lesson hours
Language	Italian
Activity type	WRITTEN AND ORAL TEST
Teacher	GHIGI ALESSANDRO CALLISTO (titolare) - 6 ECTS
Prerequisites	Standard prerequisites for accessing Ing. Edile Architettura.
Learning outcomes	The course will give an introduction to basic linear algebra and analytic geometry.
Course contents	This is a first course in analytic geometry and linear algebra. Main topics: elementary affine geometry; finite-dimensional vector spaces and linear maps; basic matrix calculus; eigenvalues and eigenvectors of an operator, with applications to quadratic forms.
Teaching methods	Lectures (hours/year in lecture theatre): 23 Practical class (hours/year in lecture theatre): 37 Practicals / Workshops (hours/year in lecture theatre): 0
Reccomended or required readings	F. Bisi, F. Bonsante, S. Brivio. . Lezioni di algebra lineare con applicazioni alla Geometria analitica. . Edizioni LaDotta. .

Assessment methods	Written and oral exam.
Further information	Written and oral exam.
Sustainable development goals - Agenda 2030	$lbl_legenda_sviluppo_sostenibile