

7.0 credits	45.0 h + 30.0 h	2q
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Teacher(s) :	Borceux Francis ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	Euclidean geometry : euclidean spaces, quadratic forms ; curves and surfaces in the three dimensional space
Aims :	<p>This course completes the skills acquired in the courses of analysis and algebra, by dealing with various situations in the context of plane and space geometry. Students are invited to develop a geometric intuition, as well as to express it in the language of algebra and analysis.</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Content :	<p>The course has two parts. The first one concerns euclidian and affine spaces, with a particular interest to classifications of conics; the second one will concern the analytic theory of curves and surfaces : the curvature and torsion of a curve, the Gauss curvature of a surface.</p>
Cycle and year of study :	<p>> Bachelor in Mathematics > Bachelor in Physics</p>
Faculty or entity in charge:	MATH