

5.0 credits	30.0 h	1q
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Teacher(s) :	Raczek Mélanie ; Tignol Jean-Pierre ;
Language :	Français
Place of the course	Louvain-la-Neuve
Main themes :	This course yields an introduction to certain application-oriented topics in algebra. The basic notion from a theoretical point of view is the structure of finite fields.
Aims :	This course aims to provide the conceptual bases and methods to construct and analyse finite fields and various associated combinatorial structures, with a view toward applications. <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>
Other infos :	Precursory courses A first course in linear algebra Support F.J. MacWilliams, N.J.A. Sloane : The theory of error-correcting codes, North-Holland, 1983 H.J. Ryser : Combinatorial Mathematics, Carus Math. Monographs, MAA, 1963
Cycle and year of study :	> Bachelor in Mathematics > Master [120] in Mathematical Engineering > Master [60] in Mathematics > Master [120] in Mathematics
Faculty or entity in charge:	MATH