

Content

Course Code	Course Name	Semester	Theory	Practice	Lab	Credit	ECTS
MAT356	Groupes and Geometry	7	6	0	0	4	6

Prerequisites	
Admission Requirements	

Language of Instruction	French
Course Type	Elective
Course Level	Bachelor Degree
Objective	To understand the relation between the group theory and the geometry.
Content	Euclidian geometry: Lineer Groups, Matrix Groups $GL(n,R)$, $O(n,R)$ and $SO(n,R)$. Affine subspaces. Isometries of R^n , in particular R^2 and R^3 , Finite Groups of isometries. Platonic Solids and their symmetry groups. Finite Groups of rotations of R^3 . 2)Projectif Geometry P1 and P2 Projectif Groups
References	Elmer G. Rees, Notes on Geometry

Theory Topics

Week	Weekly Contents
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