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	Euclidiean geometry: Lineer Groups, Matrix Groups GL(n,R), O(n,R) and SO(n,R). Affine subspaces. Isometries of Rn, in particular R2 and R3, Finite Groups of isometries. Platonic Solids and their symmetry groups. Finite Groups of rotations of R3. 2)Projectif Geometry P1 and P2 Projectif Groups
References	Elmer G. Rees, Notes on Geometry

Theory Topics

Week	Weekly Contents