

# Category Theory

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Category theory is one of the most prominent area of mathematics which enables one to unify various (existing) branches of mathematics. This course is meant for the beginners in this area and the focus will be to cover the basic ideas. Notions of category, functor, natural transformation, adjunction and duality will be introduced with several examples. Category of topological spaces and groups will be discussed in this course to make the beginners familiar with these notions.