

Semester	JAN 2022
Open to semester	4
Course code	MT2213
Course title	Group Theory
Credits	3 /
Course Coordinator & participating faculty (if any)	Ayan Mahalanobis
Nature of Course	Lectures and Tutorials
Pre-requisites	There are no pre-requisites for this course. However it is assumed that you have seen some group theory in the course discrete structures.
Objectives (goals, type of students for whom useful, outcome etc)	<p>Group theory is a study of symmetry and structures. It has many applications in Physics, Chemistry and other sciences.</p> <p>The course will be useful to any student of science. However, since there are other group theory courses running in other disciplines, this course will be delivered to people who intend to go on and major in Mathematics.</p>
Course contents (details of topics /sections with no. of lectures for each)	The course will be based on the book, A course on group theory by John S Rose. It is a nice book and we intend to cover till Chapter 8 of this book.
Evaluation /assessment	<p>End-Sem Examination-30%</p> <p>Mid-Sem Examination-20%</p> <p>Others-40% on quizzes and assignments.%</p>
Suggested readings (with full list of authors, publisher, year, edn etc.)	A course on Group Theory by John S. Rose, Dover Publications.