

Lecture Plan		
Name of the college: Government College of Arts, Science and Commerce, Sanquelim- Goa		
Name of Faculty: Ankita M. Vernekar	Subject: Chemistry	
Paper code: CHC-307	Program: TY BSc	Division: A
Academic year: 2025 - 2026	Semester: V	Total Lectures: 30
Course Objectives: : 1. To gain knowledge of physical principles of chemistry through theory and experimental approach. 2. To study the principles, applications and handling of instruments. 3. To understand new developments in the field of catalysis. 4. To perform research in the field of catalysis		
Expected Course Outcome: 1) Have good understanding of good laboratory practices and safety measures. 2) Develop laboratory practical’s skills to work in chemical industries. 3) Understand the concept of adsorption and photocatalysis. 4) Learn recent advancement in the field of catalysis. 5) Learn to write scientific project report.		
Student Learning Outcome: 1. Have good understanding of good laboratory practices and safety measures. 2. Develop laboratory practical’s skills to work in chemical industries. 3. Understand the concept of adsorption and photocatalysis.		

4. Learn recent advancement in the field of catalysis.
5. Learn to write scientific project report.

Month	Lecture From	Lecture To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
June	20/06/2025	28/06/2025	1	Literature review		NA	Research articles published in SCI indexed journals
July	30/06/2025	05/07/2025	2	Literature review		NA	Research articles published in SCI indexed journals
July	07/07/2025	12/07/2025	2	Literature review		NA	Research articles published in SCI indexed journals
July	14/07/2025	19/07/2025	2	Literature review		NA	Research articles published in SCI indexed journals
July	21/07/2025	26/07/2025	2	Literature review		NA	Research articles published in SCI indexed journals
July/ August	28/07/2025	02/08/2025	2	Literature review		NA	Research articles published in SCI indexed journals
August	04/08/2025	09/08/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
August	11/08/2025	16/08/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
August	18/08/2025	23/08/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
August	25/08/2025	30/08/2025	GANESH CHATURTHI BREAK				
September	01/09/2025	06/09/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals

September	08/09/2025	13/09/2025		Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
September	15/09/2025	20/09/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
September	22/09/2025	27/09/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
September/ October	29/09/2025	04/10/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
October	06/10/2025	11/10/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
October	13/10/2025	18/10/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals

***Assessment Rubrics**

Component	Max Marks
ISA 1	-
ISA 2	-
Practical	-
Project	100
Semester End Exam	-