

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: CHP-101	Program: T.Y.B.Sc.	Division: A
Academic year: 2024 - 2025	Semester: VI	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
December	09/12/2024	14/12/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
December	16/12/2024	31/12/2024	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
January	02/01/2025	04/02/2025	2	Performing project experimental work Synthesis of metal oxides		NA	Research articles published in SCI indexed journals
January	06/01/2025	11/01/2025	2	Performing project experimental work Application study		NA	Research articles published in SCI indexed journals
January	13/01/2025	18/01/2025	2	Performing project experimental work Application study		NA	Research articles published in SCI indexed journals
January	20/01/2025	25/01/2025	2	Performing project experimental work Application study		NA	Research articles published in SCI indexed journals
January	27/01/2025	01/02/2025	2	Performing project experimental work Application study		NA	Research articles published in SCI indexed journals
February	03/02/2025	08/02/2025	2	Performing project experimental work Application study		NA	Research articles published in SCI indexed journals
February	10/02/2025	15/02/2025	2	Performing project experimental work Application study		NA	Research articles published in SCI indexed journals
February	17/02/2025	22/02/2025	2	Writing of project report		NA	Research articles published in SCI indexed journals
February	24/02/2025	01/03/2025	2	Writing of project report		NA	Research articles published in SCI indexed journals
March	03/03/2025	08/03/2025	2	Writing of project report		NA	Research articles published in SCI indexed journals

March	10/03/2025	15/03/2025	2	Writing of project report		NA	Research articles published in SCI indexed journals
March	17/03/2025	22/03/2025	2	Preparation for viva		NA	Research articles published in SCI indexed journals
March	24/03/2025	29/03/2025	2	Preparation for viva		NA	Research articles published in SCI indexed journals
April	31/03/2025	05/04/2025	2	Preparation for viva		NA	Research articles published in SCI indexed journals
April	07/04/2025	11/04/2025	2	Preparation for viva		NA	Research articles published in SCI indexed journals

***Assessment Rubrics**

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