

Semester 7	CL 701	
		Tentative Number of days in semester: 24
S No.	Experiment	No. of days
THEME	Fluorimetric Determination of Polycyclic Aromatic Hydrocarbons	
1	Use of threedimensional excitation and emission matrix fluorescence spectroscopy for predicting the dissolved organic compound in drinking water	1
2	Determination of pKa of protein using denaturation method	1
3	Determination of the Octanol/Water Partition Coefficients for Organic Pollutants of Varying Hydrophobic/Hydrophilic Character.	1
THEME	Multi step synthesis and characterizations of natural compounds/drugs	
4	Isolation and characterization of natural products with anti-cancer activity	2
5	Synthesis of precursor of dantrolene.	2
6	Synthesis of dantrolene	2
MID SEMESTER EXAMINATION		
THEME	Multi step synthesis and characterizations of organo-metallic compounds	
7	An Operationally Simple Aqueous Suzuki-Miyaura Cross-Coupling reaction	2
8	Synthesis and Characterization of $\text{Fe}_2(\mu\text{-S}_2)(\text{CO})_6$	2
9	The preparation and use of a Wilkinson's catalyst	2
THEME	Nuclear Chemistry	
10	Nuclear Chemistry	5
11	REPEATS	4
END SEMESTER EXAMINATION		24