

1.	Title of the course	Chemistry Laboratory
2.	Course number	CY103P
3.	Structure of credits	0-0-3-2
4.	Offered to	UG
5.	New course/modification to	Modification To CY1204/4
6.	To be offered by	Department of Chemistry
7.	To take effect from	July 2022
8.	Prerequisite	Nil
9.	Course Objective(s): This course provides a practical experience of synthesis, estimation and extraction techniques to deal with different horizon of chemistry. These experiments allow to verify many of the fundamental concepts gathered from class room lectures.	
10.	Course Content: 1. Quantitative analysis: Gravimetric estimation of nickel(II) as dimethylglyoximate complex 2. Volumetric analysis: Preparation of potassium bis(oxalato)cuprate(II) dihydrate complex and volumetric estimation of oxalate content in the complex 3. Drug: Preparation and purification of aspirin an analgesic drug 4. Water Quality: Hardness in water by complexometry 5. Natural Product: Extraction of caffeine from tea leaves 6. Material analysis: Copper content in Brass by colorimeter 7. Food world: Acid strength of citrus fruit juices by pH meter and conductometer 8. Reaction Kinetics: Ester hydrolysis	
11.	Textbook(s): 1. Vogel A I, <i>Textbook of Practical Organic Chemistry</i> , Facsimile Publisher (2016). 2. Svehla G and Sivasankar B, <i>Vogel's Qualitative Inorganic Analysis</i> , Pearson Education India (2012).	
12.	Reference(s): 1. NA, NA, NA.	