Add on Course

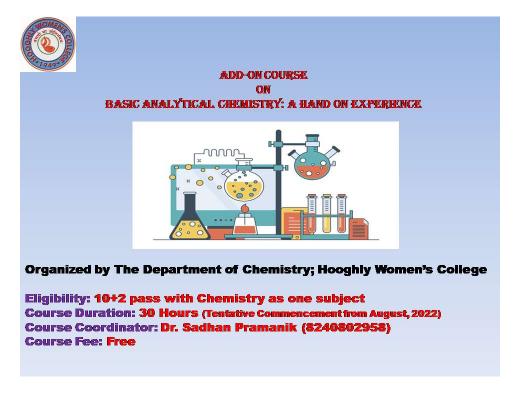
Course Title: Basic Analytical Chemistry: A hand on experience

Objective of the course: The Objective of the course is to train the participants about the common techniques used in chemical laboratories. These techniques are also very much useful in industries as well. The learners will get acquainted with the basics of laboratory techniques which are used in advanced research labs and industries.

Duration: 30 Hours

Course Fee: Free

Course Coordinator: Dr. Sadhan Pramanik, Contact No. 8240802958



Date: 20.07.2022

NOTICE

It is hereby notified that the Department of Chemistry is going to organize an addon course entitled as "Basic analytical chemistry: A hand on experience". The course will commence from August, 2022 (Tentative) and there is no course-fee. Anyone who passed 10+2 with Chemistry as one of the subjects is eligible for the course. Interested candidates are requested to contact Dr. Sadhan Pramanik (Contact No. 8240802958), Head of Department of Chemistry on or before 07th August, 2022 for enrollment and details.

Seina Banerjee 20 /07 (22 Dr. Sima Banerjee

Principal

Hooghly Women's College

Principal Hooghly Women's College

Course structure with schedule:

Sl	Торіс	Date	Time and duration
No			
1	Introduction to analytical chemistry and data handling	16.08.2022	4.30 pm to 6.30 pm 2 hours
2	Introduction on titration and estimation of strengths of acids and bases by titrimetric method	23.08.2022	4.30 pm to 6.30 pm 2 hours
3	Estimation of acetic acid in commercial vinegar by simple acid-base titration	27.08.2022	4.30 pm to 6.30 pm 2 hours
4	Determination of hardness of water samples	06.09.2022	4.30 pm to 6.30 pm 2 hours
5	Determination of pH of water samples	13.09.2022	4.30 pm to 6.30 pm

			2 hours
6	Introductory lecture on separation	20.09.2022	4.30 pm to 6.30 pm
	techniques		2 hours
7	Separation of mixture of food dyes by thin	24.09.2022	4.30 pm to 6.30 pm
	layer chromatography and calculation of $R_{\rm f}$		2 hours
8	Separation of components from mixture by	25.10.2022	4.30 pm to 6.30 pm
	column chromatography		2 hours
9	Making buffer of particular pH	05.11.2022	4.30 pm to 6.30 pm
			2 hours
10	Quantitative estimation of iron in ore	12.11.2022	4.30 pm to 6.30 pm
			2 hours
11	Quantitative estimation of glucose	19.11.2022	4.30 pm to 6.30 pm
			2 hours
12	Potentiometric titration	27.11.2022	4.30 pm to 6.30 pm
			2 hours
13	Lecture on ion exchange separations	03.12.2022	4.30 pm to 6.30 pm
			2 hours
14	Separation of zinc and Mg ions by ion	10.12.2022	4.30 pm to 6.30 pm
	exchange resins		2 hours
15	Valedictory Sessions	17.12.2022	4.30 pm to 6.30 pm
			2 hours

Resource Persons:

SI No.	Topics	Resource Persons
1	1-3	Dr. Sadhan Pramanik
		Associate Professor Hooghly Women's College
2	4-5	Dr. Anup Biswas
		Assistant Professor Hooghly Women's College
3	6-8	Prof. Satyajit Biswas
		Associate Professor Hooghly Women's College
4	9-12	Dr. Biplab Mondal
		Associate Professor Hooghly Women's College
5	13-14	Adwitiya Chakraborty
		Senior Research Fellow
		CGCRI, Kolkata

Participants' List

Sl	Name	Contact No	
No.			
1	Poulami Bhattacharjya	6290 981 613	
2	Sahelee Paul	97481 74751	
3	Arpita Ghosh	95937 19599	
4	Adrija Paul	96747 92219	
5	Rampita Sarkar	81000 73392	
6	Lisa Samanta	9883380103	
7	Najma Mallik	8697115300	
8	Shilpi Sarkar	8514978480	
9	Kabita Chowdhury	9433784173	





<u>Course Outcome</u>: 9 students from the Department of Chemistry, Hooghly Women's College participated in the course. All of them successfully completed the course. At the end, they received certificates.

Sample attendance sheet:

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Sample certificate:

