UNIVERSITY OF CALCUTTA

Notification No. CSR/84/2025

It is notified for information of all concerned that in terms of the provisions of Section 54 of the Calcutta University Act, 1979, (as amended), and, in the exercise of his powers under 9(6) of the said Act, the Vice-Chancellor has, by an order dated 10.11.2025 approved the new revised Course Structure for 4-year Honours & Honours with Research Courses of Studies in Chemistry, under CCF 2022.

The above shall take effect from the Odd semester examinations, 2025 and onwards.

Detail Syllabus is available in the CSR/18/2025, dt. 08.04.2025

28/11/2025

SENATE HOUSE

Kolkata-700073

28.11.2025

Prof.(Dr.) Debasis Das

Registrar

Four-YearB.A./B.Sc (Honours and Honours with Research) Courses of Studies (Under Curriculum & Credit framework, 2022)

Course Structure

FOR

CHEMISTRYMajor/Minor

(1st to 6th Semester)

Chemistry Course Structure
(4-year Honours and Honours with Research)

Semester	Paper Code	Paper Name	Credit
1	(DSCC-1)/(MN-1)	Fundamentals of Chemistry-I	(3 Th + 1Pr)
	(SEC-1) (4-year Major)	Quantitative Analysis and Basic Laboratory Practices	(3Th + 1 Tu)
	IDC(4-year)	Quantitative Analysis and Basic Laboratory Practices	(2Th + 1 Tu)
2	(DSCC-2)/(MN-2)	Fundamentals of Chemistry-II	(3 Th + 1Pr)
	(SEC-2) (4-year Major)	AI for Everyone	(2Th + 2 Tu)
	IDC (4-year Major)	Quantitative Analysis and Basic Laboratory Practices	(2Th + 1 Tu)
3	(DSCC-3)	Physical Chemistry – I	(3 Th + 1Pr)
	(DSCC-4)	Organic Chemistry – I	(3 Th + 1Pr)
	(SEC-3) (4-year Major)	Introduction to Numerical Methods for Chemists	(3Th + 1 Tu)
	MN-1	Fundamentals of Chemistry-I	(3 Th + 1Pr)
	IDC (4-year Major)	Quantitative Analysis and Basic Laboratory Practices	(2Th + 1 Tu)
4	(DSCC-5)	Inorganic Chemistry – I	(3 Th + 1Pr)
	(DSCC-6)	Organic Chemistry – II	(3 Th + 1Pr)
	(DSCC-7)	Physical Chemistry – II	(3 Th + 1Pr)
	(DSCC-8)	Inorganic Chemistry – II	(3 Th + 1Pr)
	MN-2	Fundamentals of Chemistry-II	(3 Th + 1Pr)
5	(DSCC-9)	Organic Chemistry –	(3 Th + 1Pr)

		III	
	(DSCC-10)	**Inorganic Chemistry – III**	**(3 Th + 1Pr)**
	(DSCC-11)	**Physical Chemistry – III**	**(3 Th + 1Pr)**
	(DSCC-12)	**Organic Chemistry – IV**	**(3 Th + 1Pr)**
	MN-3	**Organic Chemistry – I**	**(3 Th + 1Pr)**
	MN-4	**Inorganic Chemistry – I**	**(3 Th + 1Pr)**
6	**(DSCC-13)**	**Physical Chemistry – IV**	**(3 Th + 1Pr)**
	(DSCC-14)	**Organic Chemistry – V**	**(3 Th + 1Pr)**
	(DSCC-15)	**Inorganic Chemistry – IV**	**(3 Th + 1Pr)**
	MN-3	**Organic Chemistry – I**	**(3 Th + 1Pr)**
	MN-4	**Inorganic Chemistry – I**	**(3 Th + 1Pr)**

Note: A student will have to take 8 Minor courses from 2 subjects (4 each from M1 and M2) from the same broad discipline as the Major excluding the Major subject. Students have to study 4 minor courses in the first two years (1 in each semester) and 4 Minor courses in the 3rd year (2 in each semester).

Chemistry Minor Choice:

1. **<u>Choice of MN-1 and MN-2:</u>**

Option-1: A student can take MN-1 in semester-1 and MN-2 in semester –2

Or,

Option 2: A student can take MN-1 in semester-3 and MN-2-Th in semester –4

No other combinations of MN-1 and MN-2 will be allowed. In the semesters 1 & 2 minor papers from the same subject has to be chosen. In semesters 3 & 4 the other subject, not chosen previously has to be chosen.

2. Choice of MN-3 and MN-4:

Option-1: A student can take both MN-3 in and MN-4 in semester –5

Or,

Option 2: A student can take both MN-3 and MN-4- in semester –6

No other combinations of MN-3 and MN-4 will be allowed.

Syllabus for MN-1, MN-2, MN-3 and MN-4 papers as per CSR-18-2025, Dated: 08.04.2025.