

Course Distribution for FYUG Odd Semester 2026-27

(Department of Chemistry)

For semester(I) Major, Course Code: CHEMMAJ1014

(Course Title: Fundamentals of Chemistry-I)

<u>Name of faculty</u>	<u>Course allotted</u>
Dr. Swarna Kamal Dey	Unit-1 Atomic Structure and Periodicity of elements
Dr. Bikash Ch. Mushahary	Unit-3 Gaseous state.
Dr. Uma Newar	Unit-2 Basics of Organic Chemistry and Stereochemistry.

For semester(I) Minor, Course Code: CHMMIN1014

(Course Title: Chemistry-I)

<u>Name of faculty</u>	<u>Course allotted</u>
Dr. Swarna Kamal Dey	Unit-1 Atomic Structure.
Dr. Bikash Ch. Mushahary	Unit-3 Chemical Thermodynamics.
Dr. Uma Newar	Unit-2 Fundamentals of organic chemistry and Aliphatic hydrocarbons.

For semester(I) Course Code: CHEMSEC1013

(Course Title: Basic Analytical Chemistry)

<u>Name of faculty</u>	<u>Course allotted</u>
Dr. Swarna Kamal Dey	Unit-1 Introduction to Analytical Chemistry and its Interdisciplinary Nature
Dr. Bikash Ch. Mushahary	Unit-3 Analysis of water.
Dr. Uma Newar	Unit-2 Analysis of soil.

For semester (III) Major, Course Code: CHEMMAJ3014

(Course Title: Inorganic Chemistry-I)

<u>Name of faculty</u>	<u>Course allotted</u>
Dr. Swarna Kamal Dey	Unit-1 Chemistry of s- and p-Block Elements. Unit-2 Acids and Bases. Unit-3 Noble Gases.
Dr. Uma Nawar	Unit-4 Inorganic Polymers

For semester (III) Major, Course Code: CHEMMAJ3024

(Course Title: Physical Chemistry-I)

<u>Name of faculty</u>	<u>Course allotted</u>
Dr. Bikash Ch. Mushahary	Unit-1 Chemical Thermodynamics 1 Unit-2 Chemical Thermodynamics 2
Dr. Uma Newar	Unit-3 Ionic equilibria.

For semester (III) Minor, Course Code: CHMMIN3014

(Course Title: Chemistry-3)

<u>Name of faculty</u>	<u>Course allotted</u>
Dr. Swarna Kamal Dey	Unit-1 Chemical Bonding.
Dr. Bikash Ch. Mushahary	Unit-3 Liquids and Solids.
Dr. Uma Newar	Unit-2 Aromaticity and Aromatic Hydrocarbons.

For semester (III) Course Code: CHEMSEC3013

(Course Title: Basic Instrumental Techniques in chemistry)

<u>Name of faculty</u>	<u>Course allotted</u>
Dr. Swarna Kamal Dey	Unit-1 Common Laboratory Equipment.

Dr. Bikash Ch. Mushahary

Unit-2 Basic Electronic Equipment.

Dr. Uma Newar

Unit-3 Handling of sophisticated Equipment.

For semester(V) Minor, Course Code: CHMMIN5014

(Course Title: Chemistry-5)

Name of faculty

Course allotted

Dr. Swarna Kamal Dey

Unit-1 Coordination Chemistry.

Dr. Bikash Ch. Mushahary

Unit-3 Equilibria.

Dr. Uma Newar

Unit-2 Alcohols, Phenols Ethers and Epoxides.

H.S. 1st Year

Name of faculty

Course allotted

Dr. Swarna Kamal Dey

Unit-4 Chemical Bonding and Molecular Structure.

Unit-7 Redox Reactions.

Unit-9 Hydrocarbons.

Dr. Bikash Ch. Mushahary

Unit-2 Structure of atoms.

Unit-5 Chemical Thermodynamics.

Unit-6 Equilibrium.

Dr. Uma Newar

Unit-1 Some Basic Concepts of Chemistry.

Unit-3 Classification elements and periodicity in property.

Unit-8 Organic Chemistry Some Basic Principles &

Techniques.

H.S.2nd Year

Name of faculty

Course allotted

Dr. Swarna Kamal Dey

Unit-4 d- and f -block elements.

Unit-5 Coordination Compound.

Unit-9 Amines.

Unit-10 Biomolecules.

Dr. Bikash Ch. Mushahary

Dr. Uma Newar

Unit-1 Solution,

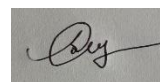
Unit-2 Electrochemistry.

Unit-3 Chemical Kinetics.

Unit-6 Haloalkanes and Haloarenes.

Unit-7 Alcohol, Phenol and Ethers.

Unit-8 Aldehydes and Ketones.



Signature of HOD