

**Syllabus of 3-Year Degree/4-Year Major in Chemistry (CCFUP)
& Syllabus Chemistry (Hons) (CBCS)**

Name of Faculty	Teaching topic		
	SEM-I <i>(Paper code: CHEM101-1)</i> <i>Paper title: Basic Chemistry-I</i>	SEM-III <i>(CBCS)</i>	SEM-V <i>(CBCS)</i>
Dr. Suparna Sadhu	1. Atomic structure, 2. Periodic properties 3. Acids and bases	CC-6 Inorganic Chemistry-II (Theo) & (Prac)	CC-13 Inorganic Chemistry- IV (Theo) & (Prac) and DSE-2
Dr. Sanjoy Mondal	1. Fundamentals in Organic chemistry * Practical organic chemistry	CC-7 Organic Chemistry- III (Theo) & (Prac) and SEC-1	CC-12 Organic Chemistry-V (Theo) & (Prac)
Pallabi Acharyya	1. Properties of Gases 2. Chemical Kinetics-I 3. Thermodynamics-I	CC-5 Physical Chemistry- II (Theo) & (Prac)	DSE-1 (Advanced Physical Chemistry) (Theo + Prac)

Name of Faculty	Teaching topic		
	SEM-II <i>(Paper code: CHEM201-1)</i> <i>Paper title: Basic Chemistry-II</i>	SEM-IV <i>(CBCS)</i>	SEM-VI <i>(CBCS)</i>
Dr. Suparna Sadhu	1. Chemical bonding-I 2. Redox Reactions and Precipitation Reactions	CC-10 Organic Chemistry – IV (Theo) & (Prac) and SEC-2	CC-13 Inorganic Chemistry- V (Theo) & (Prac) and DSE-4
Dr. Sanjoy Mondal	1. Stereochemistry-I 2. General Treatment of Reaction Mechanism 3. Substitution and Elimination Reactions	CC-9 Inorganic Chemistry-III (Theo) & (Prac)	DSE-3 Polymer Chemistry
Pallabi Acharyya	1. Kinetic Theory of gases 2. Liquid state 3. Thermodynamics-II and **Practical	CC-8 Physical Chemistry- III (Theo) & (Prac)	CC-14 Physical Chemistry- IV (Theo) & (Prac)