

**St. Francis Xavier's College**  
**2023-2024**  
**Chemistry**

**Course Outline**

**Level: F.4**

**Term: 1**

	<b>Topics / Main Theme</b>
1	Chemical bonding: ionic and covalent bonding
2	Structures and properties of substances
3	Occurrence and extraction of metals
4	Reactivity of metals
5	Corrosion of metals and their protection
6	Introduction to acids and alkalis

**Term: 2**

	<b>Topics / Main Theme</b>
1	Concentrations of solutions
2	Indicators and pH
3	Strength of acids and alkalis
4	Salts and neutralization
5	Volumetric analysis involving acids and alkalis
6	Hydrocarbons from fossil fuels
7	Consequences of using fossil fuels
8	Homologous series, structural formulae and naming of carbon compounds
9	Alkanes and alkenes
10	Addition polymers

**Weighting percentage of different modes of assessment**

**First Term:**

	<b>Regular Test</b>	<b>Designated assignments</b>	<b>Term Exam</b>
<b>F.4</b>	<b>10%</b>	<b>10%</b>	<b>80%</b>

**Final Term:**

	<b>Regular Test</b>	<b>Designated assignments</b>	<b>Term Exam</b>
<b>F.4</b>	<b>10%</b>	<b>10%</b>	<b>80%</b>