Course Outline

Level: F.4

Term: 1

<table>
<thead>
<tr>
<th>Topics / Main Theme</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Chemical bonding: covalent bonding</td>
</tr>
<tr>
<td>2 Structures and properties of substances</td>
</tr>
<tr>
<td>3 Occurrence and extraction of metals</td>
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<tr>
<td>4 Reactivity of metals</td>
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<tr>
<td>5 Corrosion of metals and their protection</td>
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<tr>
<td>6 Introduction to acids and alkalis</td>
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<tr>
<td>7 Concentrations of solutions</td>
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Term: 2

<table>
<thead>
<tr>
<th>Topics / Main Theme</th>
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<tbody>
<tr>
<td>1 Indicators and pH</td>
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<tr>
<td>2 Strength of acids and alkalis</td>
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<tr>
<td>3 Salts and neutralization</td>
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<tr>
<td>4 Volumetric analysis involving acids and alkalis</td>
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<tr>
<td>5 Hydrocarbons from fossil fuels</td>
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<tr>
<td>6 Consequences of using fossil fuels</td>
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<tr>
<td>7 Homologous series, structural formulae and naming of carbon compounds</td>
</tr>
<tr>
<td>8 Alkanes and alkenes</td>
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<tr>
<td>9 Addition polymers</td>
</tr>
<tr>
<td>10 Simple molecular substances with non-octet structures and shapes of simple molecules</td>
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</tbody>
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Weighting percentage of different modes of assessment

First Term:

<table>
<thead>
<tr>
<th></th>
<th>Regular Test</th>
<th>Designated assignments</th>
<th>Term Exam</th>
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<tbody>
<tr>
<td>F.4</td>
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<td>nil</td>
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Final Term:

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