CBC721 – Graduate Analytical Chemistry

Aims and Objectives

The course provides:

(i) Familiarisation with computer based methods for handling large data sets and electrochemical time-dependent data.
(ii) Ability to make the correct choice of the analytical method for analysis depending on the characteristics of a particular sample.
(iii) Work productively in a team environment and to break down and present complex data in a readily understandable format.
(iv) Critical assessment of recent literature.

Syllabus

The course focuses on computational methods used in Analytical Chemistry. The students learn: (i) how to process large sets of data from environmental samples, and (ii) how to conduct digital simulations of electrochemical data.

Assessment

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<thead>
<tr>
<th>Assessment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Written Report 1</td>
<td>30%</td>
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<tr>
<td>Written Report 2</td>
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<tr>
<td>Oral Presentation</td>
<td>40%</td>
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Prerequisites

CBC421/CM4011 – Advanced Analytical Chemistry. Alternatively, evidence of having completed an advanced undergraduate course in Analytical Chemistry.