

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

Written Report 1	30%
Written Report 2	30%
Oral Presentation	40%

Prerequisites

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