



Third Annual BASF Summer School for Chemistry Teachers

Key Practical Skills in Chemistry and Instrumentation in the Leaving Certificate

Chemistry Syllabus.

Eureka Centre, Kane Building, University College Cork.

Tuesday 24 June and Weds 25 June 2014.

(Day 2 is a repeat of Day 1).

The aim of this summer school is to give chemistry teachers the opportunity to develop their laboratory skills by carrying out a wide range of experiments and, in particular, to carry out the new practicals to be examined from June 2015 in the Leaving Certificate Chemistry syllabus. In addition, we hope that you will get lots of new teaching ideas from the lectures on modern analytical techniques and visits to the UCC instrumentation laboratories to see the modern instrumentation on the Leaving Certificate syllabus in operation, i.e. mass spectrometry, IR, UV, gas chromatography, high performance liquid chromatography, atomic absorption and gravimetric analysis.

PROGRAMME

9.30 – 10.00 Registration. Tea / Coffee in Room G2 Kane Building, UCC.

10.00 – 10.30 The chemistry of the oxidation of phenylmethanol to benzoic acid
- Stephen Stokes, Department of Chemistry, UCC

10.30 – 11.00 *Atomic Absorption and Gravimetric Analysis in the Leaving Cert Chemistry Syllabus* – Dr Milo Pravda, Department of Chemistry, UCC.

11.00 – 11.15 Tea / Coffee

11.15 – 12.00 *Mass Spectrometry in the Leaving Cert Chemistry Syllabus*
- Dr Milo Pravda, Department of Chemistry, UCC.

12.00 – 1.00 Laboratory practical session 1 / Visits to Instrumentation labs. – Dr Declan Kennedy

1.00 – 2.00 Lunch

2.00 – 2.30 *Gas Chromatography and High performance Liquid Chromatography*
- Dr Milo Pravda, UCC.

2.30 – 3.30 Laboratory practical session 2. / Visits to Instrumentation Labs – Dr Declan Kennedy

3.30 – 4.00 Feedback from teachers. Open Forum. Presentation of Certificates.



UCC

Coláiste na hOllscoile Corcaigh, Éire
University College Cork, Ireland



Eureka Centre
for Inquiry Based Education
in Science and Mathematics