

School of Chemistry

Aims and Objectives: Session 2023-2024, Semester 1

Module CH3431: Chemistry Workshop

Course Title: Information Retrieval

Duration: 6 hours and completion of an exercise [pre-recorded material]

Lecturer: Dr R. A. Aitken

Aims: To inform students of the chemical information available in the library in the form of periodicals, books and reference works and to develop skills in computer-based information retrieval.

Objectives:

1. To give a general understanding of *Primary, Secondary* and *Tertiary* chemical literature. How journals and scientific literature have developed over time.
2. To understand how to refer to an article in a paper or book and cite it correctly in any of the major styles of chemical journals (RSC, ACS and European).
3. To understand how to find publications and organise a collection of references.
4. To understand the organisation and use of *Chemical Abstracts + SciFinder*.
5. To familiarise students with the Web of Science on-line access to references.
6. To give practical experience in the use of Reaxys, the Cambridge Structural Database and the Esp@cenet patents database.
7. Practice in the use of DOI (digital object identifier) numbers. The basic structure and meaning of a DOI. How to find a paper from the DOI and to find the DOI for a given paper.