

Title	Chemistry Core Skills		
Credits	5		
Module Places			
Elective Places			
Semester	1 and 2		
Level	4		
Coordinator	Susan Quinn		
Indicative Module Descriptor:			
<p>The course aims to provide a platform of training in key skills relevant to carrying out effective research and reporting. This involves a two day programme of lectures covering laboratory good practice, oral and poster presentation, scientific writing skills, effective literature searches, ethics and standards, as well critical thought and the role and responsibility of a scientist. In addition students are required to complete a day of safety training and undertake 1.5 day training in a number of database search engines relevant to Chemistry research.</p>			
Indicative Learning Outcomes			
On successful completion of this module, students should:			
<ul style="list-style-type: none"> • Have a knowledge and understanding of procedures to obtain research source material; • Be aware of best practice for recording and maintaining and laboratory notebook; • Be aware of safety requirements with the School and carry out hazard assessments; • Have an awareness of the key elements within a scientific paper and be able to prepare a research report towards publication level • Be able to use electronic resources such as Beilstein, Endnote, Scifinder and Web of Science. • Be able prepare a poster or PowerPoint presentation to report scientific results effectively 			
Workload:	94		
Class Contact: Lectures	20		
Class Contact: Beilstein training session	8		
Class Contact: Scifinder training session	4		
Specified Assignments	62		
Autonomous Student learning	30		
Assessment	type	% of marks	timing
Assignments		100	
<ul style="list-style-type: none"> • Maintain a satisfactory laboratory notebook that enables independent confirmation of findings and protection of intellectual property (2) • Draft one report on their research work (40). • Perform literature searches relevant to their own work and collect in an appropriate format (8) • Identify and be able to use internet resources (e.g. electronic library journals etc.) that are useful in their own area of work (2) • Perform a safety risk assessment relevant to their own work (2 h) • Prepare a power point presentation on their own research work in an oral or poster format for a group meeting (8) 			

