

Module Title Practical Research Methods	Reference AS3902
Keywords Mini-Project	SCQF Level SCQF 9
	SCQF Points 15
	ECTS Points 7.5
	Created May 2002
	Approved May 2011
	Amended September 2004
	Version No. 1

This Version is No Longer Current

The latest version of this module is available [here](#)

Prerequisites for Module

In addition to SCQF 9 entry requirements students must be familiar with basic laboratory techniques, the keeping of laboratory records and the analysis of experimental data.

Corequisite Modules

None.

Precluded Modules

None.

Aims of Module

To enhance the students ability to carry out a laboratory investigation as a team member.

Learning Outcomes for Module

Mode of Delivery

The course is laboratory based but will also involve some classroom based tutorials.

Assessment Plan

	Learning Outcomes Assessed
Component 1	1,2,3,4,5

This module will be assessed based on the following criteria: investigative and practical skills, team work, a project report and an oral defence.

Indicative Bibliography

1. Laboratory Manual, School of Pharmacy and Life Sciences, Robert Gordon University, Aberdeen.
2. REED, R.H., HOLMES, D., WEYERS, J., JONES, A., 2007. Practical Skills in Biomolecular Sciences. 3rd ed. Pearson Education Ltd.
3. O'CONNOR, M., 1999. *Writing Successfully on Science*. Spoon.
4. YOUNG, M., 2003. *The Technical Writer's Handbook: Writing with Style and Clarity*. University Science Books.
5. MATTHEWS, J.R. and MATTHEWS, R.W., 2008. Successful Scientific Writing: A Step-by-Step Guide for the Biological and Medical Sciences. 3rd ed. Cambridge University Press.

Additional Notes

Students will be required to conform to appropriate safety regulations throughout the mini-project.

On completion of this module, students are expected to be able to:

1. Work effectively as a team member.
2. Competently use a range of analytical and experimental procedures.
3. Evaluate and analyse experimental data.
4. Maintain a laboratory diary, in which results and conclusions are recorded.
5. Present and orally defend the results and conclusions of the investigative study.

Indicative Module Content

The module will consist of an extended laboratory investigation and tutorials. The extended experiments fulfil two functions: to build on core techniques by introducing a variety of applications and to give students the opportunity to develop time and task management skills.

Indicative Student Workload

<i>Contact Hours</i>	Full Time
Assessment	1
Laboratory Work	35
Tutorials	6
<i>Private Study</i>	
Private Study	108