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## MODULE DESCRIPTOR

### Module Title

MSc Project			
Reference	ASM023	Version	5
Created	October 2017	SCQF Level	SCQF 11
Approved	December 2004	SCQF Points	60
Amended	February 2018	ECTS Points	30

### Aims of Module

To enable students to evaluate appropriate analytical techniques and generate analytical data in the course of autonomous research. Demonstrate professional competence in an extended research programme and the defence of their written MSc thesis.

### Learning Outcomes for Module

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

- 1 Evaluate data and results from an extended programme of research to produce a professional thesis.
- 2 Undertake professional research with minimal supervision.
- 3 Critically appraise the work done in the form of a thesis including relating conclusions to relevant theory and other published work in the field.
- 4 Demonstrate professional competence in oral presentation skills.

### Indicative Module Content

A problem or topic for further research in a given analytical area has been identified and a project plan to approach the topic over the period available has been produced. The work is an extended period in a laboratory carrying out appropriate research on the given topic. The research will be presented as an MSc thesis and defended.

### Module Delivery

The practical work will be carried out in an appropriate laboratory. Meetings with allocated supervisory staff will be no less than once per week. Laboratory work will be supported by designated laboratory staff.

### Indicative Student Workload

	Full Time	Part Time
Contact Hours	200	200
Non-Contact Hours	400	400
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	600	600
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

**ASSESSMENT PLAN**

If a major/minor model is used and box is ticked, % weightings below are indicative only.

**Component 1**

Type: Coursework Weighting: 70% Outcomes Assessed: 1, 2, 3  
 Description: MSc Thesis.

**Component 2**

Type: Practical Exam Weighting: 30% Outcomes Assessed: 4  
 Description: Oral Presentation and defence.

**MODULE PERFORMANCE DESCRIPTOR****Explanatory Text**

To pass this module the student must achieve a grade D or better. The module grade criteria are as follows:-

Module Grade	Minimum Requirements to achieve Module Grade:
<b>A</b>	C1 and C2 must have a minimum of 50% and an overall total (by weighting) of greater than or equal to 70%.
<b>B</b>	C1 and C2 must have a minimum of 40% and an overall total (by weighting) between 60-69%.
<b>C</b>	C1 and C2 must have a minimum of 35% and an overall total (by weighting) between 50-59%.
<b>D</b>	C1 and C2 must have a minimum of 35% and an overall total (by weighting) between 40-49%.
<b>E</b>	MARGINAL FAIL. C1 and C2 must have a minimum of 35% and an overall total (by weighting) between 35-39%.
<b>F</b>	FAIL. Either or both of C1 and C2 has a mark less than or equal to 34%.
<b>NS</b>	Non-submission of work by published deadline or non-attendance for examination

**Module Requirements**

Prerequisites for Module	Successful completion of the PgD Analytical Sciences.
Corequisites for module	None.
Precluded Modules	None.

**ADDITIONAL NOTES**

In respect of practical investigations, the safe working practice of the Institution in which the work is being done must be followed, and students must always follow procedures agreed in advance with the supervisors.

**INDICATIVE BIBLIOGRAPHY**

- 1 Young, M. (2003). The technical writer's handbook - writing with style and clarity, University Science.
- 2 Rowe, P. (2015). Essential statistics for the pharmaceutical sciences, 2nd edition, Wiley.
- 3 Subject specific literature as advised by project supervisor, this will include mainly recent journal publications.