Module Specification

Module Title	Research Project in Pharmacology	Module Code	BMD670

Credit Value	30	Level	6	Mode of Delivery	On Campus	Semester A&B

Pre-requisite modules	Co-requisite modules	Overlapping modules
Appropriate related 1st & 2nd year core Biomedical Science Modules	Appropriate related 3rd year core Biomedical Science Modules	

1) Content Description
Provide a description of the module, as it will appear in the Module Directory and on the Student Information System (approx. 70-80 words).

An investigation of an open research question involving experimental laboratory work, computational and/or theoretical work on some aspect of Pharmacology. The background, results and conclusions of the study to be reported in the form of an oral presentation in reading week (week 7) of Semester B and a Thesis (submitted toward the end of Semester B). The Thesis will not exceed 10,000 words, which includes a review of relevant literature, data presentation, analysis and discussion.

2) Module Aims
Specify the aims of the module, i.e. the broad educational purposes for offering this module.

To learn:
- Cutting-edge research skills and practice
- Design of experiments or computational / theoretical studies
- To write a scientific thesis
- To present information orally

To evaluate:
- Experimental data and literature information
- Published scientific theories and hypotheses

To formulate:
- Theories & hypotheses from own experimental data and/or computational work and published data

3) Learning Outcomes
Identify the learning outcomes for this module, i.e. knowledge, skills and attributes to be developed through completion of this module. Outcomes should be referenced to the relevant QAA benchmark statements and the Framework for Higher Education Qualifications in England, Wales and Northern Ireland (2008). The SEEC Credit Level Descriptors for Further and Higher Education 2003 and Queen Mary Statement of Graduate Attributes should also be used as a guiding framework for curriculum design.

Academic Content:	
A 1	To have subject-specific knowledge of: background research literature/computational literature and current research work, theories, hypotheses and data
A 2	To obtain cutting-edge laboratory skills and practice or skills in computational / mathematical methods
A 3	To be able to design laboratory experiments and/or computational / theoretical studies

Disciplinary skills - able to:	
B1	The module will develop students' ability to: think and work independently and construct and execute experiments/computational/theoretical work

Attributes:	
C1	The requirements to give an oral presentation of the research project and to write a thesis at the conclusion of the module will develop English language skills, written and verbal presentational skills, keyboard skills and data presentation and analysis

4) Reading List

Provide an indicative reading list for the module. This should include key texts and/or journals but should not be an exhaustive list of materials.

N/A. References and research literature to be supplied by the supervisor and obtained by the student.

5) Teaching and Learning Profile

Provide details of the method of delivery (lectures, seminars, fieldwork, practical classes, etc.) used to enable the achievement of learning outcomes and an indicative number of hours for each activity to give an overall picture of the workload a student taking the module would be expected to undertake. This information will form the Key Information Set for each undergraduate programme and will be used to populate the KIS widget found on the QMUL programme information pages. More information can be found online about KIS. You may also wish to refer to the QAA guidance on contact hours when completing this section.

Activity Type	KIS Category	Time Spent (in hours)
Writing Thesis	Scheduled	135
	Total	135

Specify the total module notional study hours. This should be a total of the hours given for each activity. The notional study hours for each academic credit point is 10. A 15 credit point module therefore represents 150 notional study hours.

Activity Type	Total Time Spent (in hours)	Percentage of Time Spent
Scheduled learning and teaching	135	45
Placement	0	0
Independent Study	165	55
Total	300	100

Use the information provided in the box above to specify the total time spent and the percentage time spent in each category of teaching and learning activity.

6) Assessment Profile

Provide details of the assessment methods used to assess the achievement of learning outcomes.

Description of Assessment	Assessment Type	KIS Category	Duration/Length	Percentage Weighting	Final element of assessment	Qualifying Mark
Coursework	Practical / computational / theory work	Coursework	Judged over the period of 27.5 days	20%	No	
Coursework	Presentation	Coursework	30 hours preparation for 10 minute presentation plus 5 minute	20%	No	

			Q&A.			
Coursework	Written Thesis	Coursework	10,000 words	60%	Yes	

Final element of assessment: The assessment that takes place last. There should normally be only one element of assessment marked as final unless two assessment or submission dates occur on the same day.
Qualifying mark: A specified minimum mark that must be obtained in one or more elements of assessment in order to pass a module. This is in addition to, and distinct from, the requirement to achieve a pass in the module mark to pass the module.

Reassessment
Provide details of the reassessment methods used, specifying whether reassessment is either standard reassessment or synoptic reassessment.

○ Standard Reassessment   ◉ Synoptic Reassessment

Synoptic reassessment details (if you have indicated synoptic reassessment above, please give details)		
Brief Description of Assessment	Assessment Type	Duration/Length of Examination/ Coursework
Presentation and *Viva voche*	Oral presentation and oral assessment of understanding	10 minute presentation / 10 minute Q&A Pass / Fail awarded