

Module Specification

Module Title Module Code

Credit Value Level Mode of Delivery Semester A

Pre-requisite modules	Co-requisite modules	Overlapping modules
18 modules passed in F152		

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).

The course is designed specifically for the MSci Pharmaceutical Chemistry programme and will be offered as an option in the fourth year of the programme and will build on the content of the 3rd year module SBC703 Synthesis of Pharmaceutically Active Molecules.

2) Module Aims

Specify the aims of the module, i.e. the broad educational purposes for offering this module.

The aim of the module is to focus on drug discovery and development using a number of case studies and the most recent advances in the pharmaceutical chemistry approaches. At the end of this course students should be able to discuss the physical and chemical approaches to the design and development of new drugs and be aware of the physiological/pharmacological issues that need to be considered before a drug can be used clinically.

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:	
A1	Provide a very important base for the understanding of how a novel drug is developed starting from different possible leads and of the factors that need to be kept into consideration when assessing a new drug for clinical trials.
A2	An appreciation of the aspects of everyday life that are derived from these studies.

A3	Different techniques combine in a joint multidisciplinary effort to provide solid scientific evidence for choices that are made by large pharmaceutical companies
A4	Recognise the link between what they have studied and some public information on drugs that is available everyday in the news.
A5	Develop understanding of organic mechanisms and synthetic design, particularly in relation to biological macromolecules and the use of protecting groups.

Disciplinary skills - able to:	
B1	
B2	
B3	

Attributes:	
C1	

C2	
C3	
C4	
C5	

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.

No single book reflects the entire content of the course. Reference material is provided during the course.

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)
workshops	Scheduled	8

Lecture	Scheduled	22
Total		30

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	30	20%
Placement	0	
Independent Study	120	80%
Total	150	

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.

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	Written assignment, including Essay	Coursework		10%	No	
Examination	Written Exam	Written	2.5 hours	90%	Yes	

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. There is a 50% minimum marks in total required 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

Resit Exam	Written Exam	2.5 hours
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