
Section 2 - Module Specification

Module Title Module Code
Credit Value Level Mode of Delivery Semester

Pre-requisite modules	Co-requisite modules	Overlapping modules
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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).

This module will introduce to the students the mechanisms of action and clinical use of commonly used drugs in the context of the progression of the diseases they are used to treat. It will include a consideration of drugs of abuse and drugs as performance enhancers in sport.

Introductory lectures will be followed by lectures in specialized areas of the subject given by experts in their field. In addition to formal lectures and interactive seminars, the course will provide tutorials with opportunities to critically-evaluate research papers. We will offer practical workshop sessions to reinforce the lectures.

2) Module Aims

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

A critical understanding of the the drugs that are used to treat common diseases and their mechanisms of action

An awareness of benefits, side effects, risks, contra-indications and interactions of drugs.

A critical understanding for evidence-based prescribing in clinical practice

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	Critique of the pathophysiology of common disorders in the neurological, endocrine, immune and cardiovascular disorders
A 2	An analysis of the mechanisms of drug actions in the treatment of disease.

Disciplinary Skills - able to:	
B 1	Critically evaluate published research studies and clinical audits
B 2	Conduct laboratory experiments safely with care and precision
B 3	Write scientific reports and present scientific data
B 4	Recognise safe and unsafe prescribing activities

Attributes:	
C 1	Have the intellectual curiosity to learn continuously from diverse sources of information
C 2	Be able to critique complex scientific concepts clearly and logically
C 3	Make judgments based on evidence
C 4	Effective time management and independent learning

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.

* Rang & Dale's Pharmacology: with STUDENT CONSULT Online Access by Humphrey P. Rang, Maureen M. Dale, James M. Ritter and R. J. Flower, Publisher: Churchill Livingstone; 7th Revised edition edition (25 Mar 2011), ISBN-10: 0702034711

* Oxford Textbook of Clinical Pharmacology and Drug Therapy by David Grahame-Smith and Jeffrey Aronson ISBN-10: 0192632345

Topical research papers in relevant journals, for example:
British Journal of Clinical Pharmacology

Lancet
 New England Journal of Medicine
 Current opinion in Pharmacology

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)
Lecture	Scheduled	20
Seminar	Scheduled	4
Practical Classes and workshops	Scheduled	8
Guided independent study	Independent	118
Total		150

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	32	21
Placement		
Independent Study	118	79
Total	150	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	% Weighting	Final element of assessment?	Qualifying Mark
Report	Report	Written	2h	50%	No	

Essay	Study Design	Coursework	1500 words	25%	yes	
Essay	Drug-Drug interactions	Coursework	1500 words	25%	No	

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
	Written Exam	2 hours
	Practical Report	15000