

Programme Regulations: 2022-2023

Programme Title: Degree of Master of Science in Drug Chemistry

Code: 5099F/P

Notes:

- (i) These programme regulations should be read in conjunction with the University's Masters Progress Regulations and Examination Conventions.
- (ii) Unless otherwise stated under 'Type', modules are not core.
- (iii) All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years and they are listed subject to availability.
- (iv) A compulsory module is a module which a student must take.
- (v) All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.

1. Programme structure

- (a) The programme is available for study in both full-time and part-time modes.
- (b) The period of study for full-time mode shall be one year starting in September. The maximum period of study for part-time mode shall normally be 2 years starting in September.
- (c) NES8002 Research Dissertation Project (55 credits – Semester 3) will begin once suitable training has been received and appropriate modules completed.
- (d) The programme comprises modules to a credit value of 180.
- (e) All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits S1	Credits S2	Credits S3	Level	Mode
CHY8812	Research Skills and Development	20		20		7	
CHY8821	Modern Methods in Drug Discovery	20	20			7	
CHY8825	Proteins as Drug Targets: structure, function, and molecular modelling	10	10			7	
NES8002	Research Dissertation Project	60		5	55	7	

- (f) Candidates will normally take the following 20 credit module:

Code	Descriptive title	Total Credits	Credits S1	Credits S2	Credits S3	Level	Mode
CHY8836	Synthetic Methodology for Drugs	20	20			7	

- (g) After consultation with the Degree Programme Director, candidates with a very strong background in Organic Chemistry may replace (f) by taking the following modules:

Code	Descriptive title	Total Credits	Credits S1	Credits S2	Credits S3	Level	Mode
CHY8834	Selectivity and Stereocontrol in Organic Synthesis	10	10			7	
CHY8835	Pericyclic and radical reactions	10	10			7	

(h) All candidates will choose 50 credit from the following modules:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits S1</i>	<i>Credits S2</i>	<i>Credits S3</i>	<i>Level</i>	<i>Mode</i>
BIO8076	Applied Bioinformatics	20		20		7	Block
CHY8822	Drug Metabolism and Toxicology	10	10			7	
CHY8823	Theory and Practice of Chemotherapy	20		20		7	
CHY8828	Bioactive Natural Products	10		10		7	
CHY8842	Molecular Simulations and Computer-aided Drug Design (CADD)	20		20			
CHY8838	Biopharmaceuticals as Therapeutics	10		10			

2. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.