Programme Regulations: 2021 - 2022

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	

i. After consultation with the Degree Programme Director, candidates with a strong background in Organic Chemistry shall take the following 50 credit modules:

Code	*Descriptive title*	*Total Credits*	*Credits S1*	*Credits S2*	*Credits S3*	*Level*	*Mode*
CHY8822	Drug Metabolism and Toxicology	10	10			7	
CHY8823	Theory and Practice of Chemotherapy	20		20		7	
CHY8834	Selectivity and Stereocontrol in Organic Synthesis	10	10			7	
CHY8835	Further Organic Chemistry	10	10			7	

ii. After consultation with the Degree Programme Director, candidates who do not have a strong background in Organic Chemistry or are non-Chemists, shall take the following 50 credit modules:

Code	*Descriptive title*	*Total Credits*	*Credits S1*	*Credits S2*	*Credits S3*	*Level*	*Mode*
CHY8822	Drug Metabolism and Toxicology	10	10			7	
CHY8823	Theory and Practice of Chemotherapy	20		20		7	
CHY8836	Synthetic Methodology for Drugs	20	20			7	

iii. All candidates specified in i. and ii. will take 20 credits of the following optional modules:

Code	*Descriptive title*	*Total Credits*	*Credits S1*	*Credits S2*	*Credits S3*	*Level*	*Mode*
BIO8041	Antimicrobial Discovery	10		10		7	Block
BIO8046	Applied Bioinformatics	10		10		7	Block
CHY8830	Molecular Simulations and Computer-aided Drug Design (CADD)	10		10		7	
CHY8838	Biopharmaceuticals as Therapeutics	10		10		7	

iv. After consultation with the Degree Programme Director, candidates who were a previous student of Newcastle University, shall take the following modules:

Code	*Descriptive title*	*Total Credits*	*Credits S1*	*Credits S2*	*Credits S3*	*Level*	*Mode*
BIO8041	Antimicrobial Discovery	10		10		7	Block
BIO8046	Applied Bioinformatics	10		10		7	Block
CHY8830	Molecular Simulations and Computer-aided Drug Design (CADD)	10		10		7	
CHY8835	Further Organic Chemistry	10	10			7	
CHY8836	Synthetic Methodology for Drugs	20	20			7	
CHY8838	Biopharmaceuticals as Therapeutics	10		10		7	

2. Assessment methods

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