Programme Regulations: 2024/25

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 Taught Programme Regulations.

(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) NES8813 Research Project (20 credits in Semester 2 and 60 credits in Semester 3) will begin once suitable training has been received and appropriate modules completed in Semester 1.

(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*
NES8813	Research Dissertation Project in Drug Chemistry	80		20	60	7	
NES8814	Research Skills and Development	20	10	10		7	
NES8801	Modern Methods in Chemical Biology and Drug Discovery	20	20			7	
NES8802	Drug Metabolism and Toxicology	10	10			7	
NES8803	Theory and Practice of Chemotherapy	20		20		7	
NES8804	Proteins as Drug Targets: structure, function, and molecular modelling	10	10			7	
NES8808	Synthetic Methodology for Drugs	20	20			7	

(f) Candidates who graduated from Chemistry UG courses at Newcastle University will take the following modules replacing NES8802 and NES8803:

Code	*Descriptive title*	*Total Credits*	*Credits S1*	*Credits S2*	*Credits S3*	*Level*	*Mode*
NES8809	Biopharmaceuticals as Therapeutics	10		10		7	
NES8810	Recent Advances in Chemistry Research	20	10	10		7	

(g) After consultation with the Degree Programme Director, candidates with a very strong background in Organic Chemistry may replace NES8808 by taking the following modules:

Code	*Descriptive title*	*Total Credits*	*Credits S1*	*Credits S2*	*Credits S3*	*Level*	*Mode*
NES8806	Selectivity and Stereocontrol in Organic Synthesis	10	10			7	
NES8807	Pericyclic and radical reactions	10	10			7	

2. Assessment methods

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