Programme Structure FHEQ Level 7			
Students study all compulsory modules.			
Module code	**Module Title**	**Core/ Compulsory**	**Term**
MATH70107	Fundamentals of Option Pricing	Compulsory	1
MATH70108	Statistical methods for Finance	Compulsory	1
MATH70109	Stochastic Processes	Compulsory	1
MATH70110	Quantitative Risk Management	Compulsory	1
MATH70111	Interest Rates Models	Compulsory	2
MATH70112	Computing for Finance (Python & C++)	Compulsory	1&2
MATH70113	Simulation Methods for Finance	Compulsory	2
		Total	
	Elective Module Title	**Core/ Elective**	**Term**
MATH70116	Deep Learning	Elective	1.2
MATH70117	Data Science for Fintech Regtech and Suptech: Methodological Foundations and Key Applications	Elective	1.1
MATH70118	Quantum Computing in Finance	Elective	1.2
MATH70119	Numerical Methods for Finance	Elective	2.1
MATH70120	Advances in Machine Learning	Elective	2.1
MATH70121	Topics in Derivative Pricing	Elective	2.1
MATH70122	Convex Optimization	Elective	2.1
MATH70124	Advanced topics in Data Science: Signatures and Rough Paths in Machine Learning	Elective	2.2
MATH70125	Market Microstructure	Elective	2.1
MATH70126	Stochastic Control in Finance	Elective	2.1
MATH70127	Algorithmic and High-Frequency Trading	Elective	2.2
MATH70128	Selected Topics in Quantitative Finance	Elective	2.2
MATH70129	Portfolio Management	Elective	2.2
		Total	
MATH114	MSc Mathematics and Finance Research Project	Core	3

Note: the notation 1.1 means Term 1, first half since Electives are given over half terms. Likewis

Credits
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7.5
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50
Credits
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25
15

se 2.1 corresponds to Term 2, first half, and so on.