Durham University
Postgraduate Modules Online
www.durham.ac.uk/postgraduate.modules

These programme regulations should be read in conjunction with the University's core regulations for postgraduate programmes, and the marking and classification conventions for postgraduate programmes.

MSc Mathematical Sciences (G1K509)

1. Location: Durham City
2. Duration: 12 months (full-time)

Programme structure

3. Candidates shall study and be assessed in EITHER modules to the value of 120 credits from List 2 OR modules to the value of 100 credits from List 2 and one module chosen from List 1.

		Credit value
List 1		
Codes and Cryptography	MATH30120	20
Decision Theory	MATH30220	20
Differential Geometry	MATH30320	20
Dynamical Systems	MATH30720	20
Galois Theory	MATH30420	20
Geometry of Mathematical Physics	MATH31220	20
Mathematical Biology	MATH30920	20
Operations Research	MATH30820	20
Quantum Computing	MATH31020	20
Quantum Mechanics	MATH31120	20
Statistical Methods	MATH30520	20
Topology	MATH30620	20
List 2		
Advanced Quantum Theory	MATH41020	20
Algebraic Topology	MATH41120	20
Analysis	MATH41220	20
Bayesian Statistics	MATH43220	20
Ergodic Theory and Dynamics	MATH43320	20
Fluid Mechanics	MATH41820	20
Functional Analysis and Applications	MATH42920	20
General Relativity	MATH40820	20
Geometry	MATH41920	20
Mathematical Finance	MATH40920	20
Number Theory	MATH41620	20
Partial Differential Equations	MATH41720	20
Probability – NOT AVAILABLE IN 2021/22	MATH42120	20
Representation Theory	MATH42220	20
Riemannian Geometry	MATH41320	20
Solitons	MATH41420	20
Statistical Mechanics	MATH42320	20
Stochastic Processes	MATH43020	20
Topics in Algebra and Geometry	MATH41520	20
Topics in Applied Mathematics	MATH43120	20
Topics in Statistics – NOT AVAILABLE IN 2021/22	MATH42420	20

4. Candidates shall also be assessed in the following module:

		Credit value
Dissertation	MATH51460	60