

**MSc(RT)/Honours Subjects in 2009/2010. Version of 4/09/09
(Shaded subjects are also in MSc (Man. Sc.))**

2009		2010	
Semester 1	Semester 2	Semester 1	Semester 2
<u>Pure Mathematics</u>		<u>Pure Mathematics</u>	
Measure theory	Algebraic geometry	Measure theory	Differential topology
Commutative algebra	Differential geometry	Commutative algebra	Advanced complex analysis
Representation theory	Functional analysis	Representation theory	Geometric group theory
Algebraic topology		Algebraic topology	
<u>Applied Mathematics & Mathematical Physics</u>		<u>Applied Mathematics & Mathematical Physics</u>	
Computational differential eqns	Advanced materials modelling	Computational differential eqns	Advanced materials modelling
Phase transitions and critical phenomena	Integrable models	Phase transitions and critical phenomena	Random walks and random structures
Mathematical biology		Topics in Dynamical Systems	
<u>Operations Research & Discrete Mathematics</u>		<u>Operations Research & Discrete Mathematics</u>	
Enumerative Combinatorics	Advanced Discrete Mathematics	Experimental Mathematics	Advanced Discrete Mathematics
Optimisation for Industry	Network Optimisation	Optimisation for Industry	Scheduling and Optimisation
<u>Statistics & Stochastic Processes</u>		<u>Statistics & Stochastic Processes</u>	
Probability for Inference	Stochastic Processes	Probability for Inference	Stochastic Processes
Statistical Inference	Business Forecasting	Data Mining	Mathematics of Risk
Consulting and Applied Statistics	Data Mining	Consulting and Applied Statistics	Statistical Inference
Systems Modelling and Simulation [Tool]		Systems Modelling and Simulation [Tool]	