

# Mastermath courses



proposed courses 2012-2013		2011-2012	2010-2011	2009-2010
<b>Diamant</b>	Algebraic Number Theory	<b>Elliptic Curves</b>	Algebraic Number Theory	Elliptic Curves
	Cryptography	<b>Automatic Sequences</b>	Representation Theory	Algebraic Geometry for Cryptology
		<b>Algebraic Geometry</b>	Complexity Theory	Invariant Theory with Applications
		<b>Semidefinite Optimization</b>	Diophantine Equations	Topics in Number Theory: p-adic numbers and zeta functions
<b>NDNS+</b>	Functional Analysis	<b>Functional Analysis</b>	Functional Analysis	Functional Analysis
	Dynamical Systems	<b>Dynamical Systems</b>	Conservative Dynamical Systems	Dynamical Systems generated by ODE and Maps
	Partial Differential Equations	<b>Partial Differential Equations</b>	Partial Differential Equations	Partial Differential Equations
	Fourier Analysis	<b>Variational Methods</b>	Asymptotic methods for differential equations	Fourier Analysis and Distribution Theory
	??	<b>Mathematical Biology</b>	Introduction to Numerical Bifurcation Analysis of ODEs and Maps	Mathematical Biology
<b>STAR</b>	Measure Theoretic Probability	<b>Measure Theoretic Probability</b>	Measure Theoretic Probability	Measure Theoretic Probability
	Asymptotic Statistics	<b>Asymptotic Statistics</b>	Asymptotic Statistics	Asymptotic Statistics
	Stochastic Processes	<b>Stochastic Processes</b>	Stochastic Processes	Stochastic Processes
	Time Series	<b>Time Series</b>	Empirical Processes and Statistical Learning	Time Series
<b>GQT</b>	Algebraic Topology	<b>Operator Algebras</b>	Algebraic Topology	Analysis on Manifolds
	Symplectic Geometry	<b>Differential Geometry</b>	Symplectic Geometry	$C^*$ -Algebras
	Semisimple Lie Algebras	<b>Lie Groups</b>	Semisimple Lie Algebras	Riemann Surfaces
	Algebraic Geometry	<b>Riemann Surfaces</b>	Algebraic Geometry	Algebraic Geometry
<b>Logica</b>	Computability Theory	<b>Intuitionistic Mathematics</b>	Proof Theory	Goedel's Incompleteness Theorem
	Mathematical Structures for Logic	<b>Lambda Calculus as formalism for computations and proofs</b>	Set Theory	Model Theory with Non-standard Analysis
<b>Numerieke Wiskunde</b>	Parallel Algorithms	<b>Parallel Algorithms</b>	Parallel Algorithms	Parallel Algorithms
	Numerical Linear Algebra	<b>Numerical Linear Algebra</b>	Numerical Linear Algebra	Numerical Linear Algebra
	Numerical Methods for Time-dependent PDEs	<b>Numerical Methods for stationary PDEs</b>	Numerical Methods for Time-dependent PDEs	Numerical Methods for stationary PDEs
<b>LNMB+TU+Disc</b>	Introduction to Stochastic Processes	<b>Introduction to Stochastic Processes</b>	Introduction to Stochastic Processes	Introduction to Stochastic Processes
	Continuous Optimization	<b>Continuous Optimization</b>	Continuous Optimization	Continuous Optimization
	Discrete Optimization	<b>Discrete Optimization</b>	Discrete Optimization	Discrete Optimization
	Heuristic Methods in Operations Research	<b>Heuristic Methods in Operations Research</b>	Heuristic Methods in Operations Research	Heuristic Methods in Operations Research
	Systems and Control	<b>Systems and Control</b>	Systems and Control	Systems and Control
	Advanced Modelling in Science	<b>Advanced Modelling in Science</b>	Advanced Modelling in Science	Advanced Modelling in Science
	Queueing Theory	<b>Queueing Theory</b>	Queueing Theory	Queueing Theory
	Applied Statistics	<b>Applied Statistics</b>	Applied Statistics	Applied Statistics
	Applied Finite Elements	<b>Applied Finite Elements</b>	Applied Finite Elements	Applied Finite Elements
	Scheduling	<b>Scheduling</b>	Scheduling	Scheduling
	Stochastic Differential Equations	<b>Stochastic Differential Equations</b>	Stochastic Differential Equations	Stochastic Differential Equations
	Nonlinear Systems Theory	<b>Nonlinear Systems Theory</b>	Nonlinear Systems Theory	Nonlinear Systems Theory
	Advanced Linear Programming	<b>Advanced Linear Programming</b>	Advanced Linear Programming	Advanced Linear Programming
<b>Ieraren</b>	tba	tba	Number Theory and Cryptography	Number Theory and Cryptography
	tba	tba	Didaktiek	Stochastics
	tba	tba	Geometry	Geometry
	Historical Aspects of Classroom Mathematics	Historical Aspects of Classroom Mathematics	Historical Aspects of Classroom Mathematics	Historical Aspects of Classroom Mathematics