

COURSE REQUIREMENTS FOR A GENERAL QUALIFICATION

Degree of Master of Science 120 credits

Major: Mathematics

Programme:

Master Programme in Mathematics 120 credits

ELECTIVE COURSES 45 credits

At least 45 credits of the courses shall be second-cycle courses in Mathematics.

MATM11 Algebraic Structures, 7.5 credits

MATM12 Analytic Functions, 15 credits

MATM13 Differential Geometry, 7.5 credits

MATM15 Number Theory, 7.5 credits

MATM16 Topology, 7.5 credits

MATM17 Scientific Computing for Mathematicians, 7.5 credits

MATM18 Fourier Analysis, 7.5 credits

MATM19 Integration Theory, 7.5 credits

MATM21 Specialised Course on Algebraic Structures, 7.5 credits

MATM22 Specialised Course in Analytic Functions, 7.5 credits

MATM23 Specialised Course in Differential Geometry, 7.5 credits

MATM24 Specialised Course in Ordinary Differential Equations, 7.5 credits

MATM25 Specialised Course in Number Theory, 7.5 credits

MATM26 Specialised Course in Topology, 7.5 credits

MATM27 Ordinary Differential Equations 2, 7.5 credits

MATM30 Mathematical Foundations of Probability, 7.5 credits

MATP11 Distribution Theory, 7.5 credits

MATP12 Functions of Complex Variables, 7.5 credits

MATP13 Group- and Ring Theory, 7.5 credits

MATP15 Linear Functional Analysis, 7.5 credits

MATP16 Partial Differential Equations, 7.5 credits

MATP21 Specialised Course in Distribution Theory, 7.5 credits

MATP22 Specialised Course in Complex Variables, 7.5 credits

MATP23 Specialised Course in Group- and Ring Theory, 7.5 credits

MATP25 Specialised Course in Linear Functional Analysis, 7.5 credits

MATP29 Specialised Course in Integration Theory, 7.5 credits

MATP99 Special Course, 7.5 credits

OPTIONAL COURSES 45 credits

A maximum of 30 credits of these may be first-cycle courses. Courses in Mathematics, Mathematical Statistics, and Numerical Analysis are recommended.

DEGREE PROJECT

MATM01 Master's Degree Project, 30 credits