Appendix to Programme Syllabus established by the Board of the Faculty of Science on 2007-02-07. The Course requirements have been approved by the Study Programmes Board on 2012-03-29.

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