

MSc in Mathematical Statistics – Curriculum Chart

Term 1

Courses	Credits	Code	Prerequisites	Type
Statistical Inference (1)	4	۲۰-۲۰-۰۶۴		Required
Size and Probability Theory (1)	4	۲۰-۲۰-۰۱۳		Required
Total Credits	8			

Term 2

Courses	Credits	Code	Prerequisites	Type
Statistical Inference (2)	4	۲۰-۲۰-۰۶۷	Statistical Inference (1)	Required
Size and Probability Theory (2)	4	۲۰-۲۰-۰۳۲	Size and Probability Theory (1)	Required Elective
Total Credits	8			

Term 3

Courses	Credits	Code	Prerequisites	Type
<i>One of the Offered Elective Courses</i>	4		depends on the selected course	Elective
<i>One of the Offered Elective Courses</i>	4		depends on the selected course	Elective
Total Credits	8			

Term 4

Courses	Credits	Code	Prerequisites	Type
Seminar	2	۲۰-۲۴-۰۶۰		
Thesis	6	۲۰-۲۴-۰۲۳		
Total Credits	8			

Total Credits of Elective Courses: 12

Total Credits of Required Courses: 12

Total Credits of Thesis: 6

Total Credits of Seminar: 2

Total Credits: 32

Elective Courses

Courses	Credits	Code	Courses	Credits	Code
Spatial Statistics (1)	4	۲۰۲۰۰۲۳	Longitudinal Data Analysis (1)	4	۲۰۲۰۰۸۰
Size and Probability Theory (2)	4	۲۰۲۰۰۳۲	Advanced Data Mining	4	۲۰۲۰۰۸۱
Simulation	4	۲۰۲۰۰۳۴	Methodology of Statistics	4	۲۰۲۰۰۸۴
Statistical Bioinformatics	4	۲۰۲۰۰۶۲	Advanced Topics in Information Theory	4	۲۰۲۰۰۸۵
Statistical Shape Analysis (1)	4	۲۰۲۰۰۶۳	Advanced Experimental Design	4	۲۰۲۰۰۸۶
Statistical Analysis of Dot Plots	4	۲۰۲۰۰۶۵	Special Issues	4	۲۰۲۰۰۹۳
Linear Models (1)	4	۲۰۲۰۰۶۸	Bayesian Decision Theory	4	۲۰۲۰۰۹۷
Survival Analysis	4	۲۰۲۰۰۶۹	Reliability Theory (1)	4	۲۰۲۰۰۹۹
Advanced Discrete Multivariate Analysis	4	۲۰۲۰۰۷۱	Copula Theory and Dependency Modelling	4	۲۰۲۰۱۰۲
Multivariate Analysis (1)	4	۲۰۲۰۰۷۳	Image Processing	4	۲۰۲۰۱۰۳