

Module overview of the certificate programme "Applied Statistics and Empirical Methods"

Modules with a total rating of at least 20 credits should be successfully completed in accordance with the following provisions.

1. Statistical methods

At least two of the following modules with a total rating of 12 C should be successfully completed:

- M.WIWI-QMW.0001 Generalized Linear Models (6 C)
- M.WIWI-QMW.0002 Methods of Statistical Inference (Likelihood & Bayes) (6 C)
- M.WIWI-QMW.0005 Econometrics II (6 C)
- M.WIWI-QMW.0009 Time Series Analysis (6 C)
- M.WIWI-QMW.0010 Multivariate Procedures (6 C)
- M.WIWI-QMW.0011 Statistical Programming with R (6 C)
- M.WIWI-QMW.0016 Spatial Statistics (6 C)
- M.MED.0002 Longitudinal Data (6 C)
- M.MED.0003 Time-to-Event Analysis (6 C)
- SK.Bio.705 Data Mining for the Bioinformatics (6 C)
- M.Inf.1211 Probabilistic data models and their applications (6 C)
- M.Mat.4541 Specialisation in the cycle "Applied and Mathematical Stochastic" (9 C)
- M.Mat.4542 Specialisation in the cycle "Stochastic Processes" (9 C)
- M.Mat.4543 Specialisation in the cycle "Stochastic Methods of the Business Mathematics" (9 C)
- M.Mat.4544 Specialisation in the cycle "Mathematical Statistics" (9 C)
- M.Mat.4545 Specialisation in the cycle "Statistical Modelling and Inference" (9 C)
- M.Mat.4641 Aspects in the cycle "Applied and Mathematical Stochastic" (6 C)
- M.Mat.4642 Aspects in the cycle "Stochastic Processes" (6 C)
- M.Mat.4643 Aspects in the cycle "Stochastic Methods of the Business Mathematics" (6 C)
- M.Mat.4644 Aspects in the cycle "Mathematical Statistics" (6 C)
- M.Mat.4645 Aspects in the cycle "Statistical Modelling and Inference" (6 C)
- P.SPS.01 Introduction to Mixed Models and Spatial Statistics (8 C)
- P.SPS.02 Advances in Spatial Statistics (4 C)
- P.SPS.03 Generalised Regression (4 C)

2. Specialisation

At least one of the following modules with a rating of 6 credits should be successfully completed:

- M.WIWI-BWL.0106 Topics in Quantitative Marketing and Economics (6 C)
- M.WIWI-QMW.0012 Multivariate Time Series Analysis (6 C)
- M.WIWI-QMW.0013 Applied Econometrics (6 C)
- M.WIWI-QMW.0019 Statistical Methods for Impact Evaluation (6 C)
- M.WIWI-VWL.0022 Analysis of Micro Data (6 C)
- M.WIWI-VWL.0041 Panel Data Econometrics (6 C)
- M.MED.0004 Clinical Studies (6 C)
- M.MED.0005 Statistical Methods for the Bioinformatics (6 C)
- B.Bio.701-1 Algorithms in Bioinformatic I (5 C)
- B.Bio.704 Algorithms in Bioinformatic II (5 C)
- M.Mat.4741 Special course in the cycle "Applied and Mathematical Stochastic" (3 C) M.Mat.4742
Special course in the cycle "Stochastic Processes" (3 C)
- M.Mat.4743 Special course in the cycle "Stochastic Methods of the Business Mathematics" (3 C)
- M.Mat.4744 Special course in the cycle "Mathematical Statistics" (3 C)
- M.Mat.4745 Special course in the cycle "Statistical Modelling and Inference" (3 C)
- M.Mat.4841 Seminar course in the cycle "Applied and Mathematical Stochastic" (3 C)
- M.Mat.4842 Seminar course in the cycle "Stochastic Processes" (3 C)
- M.Mat.4843 Seminar course in the cycle "Stochastic Methods of the Business Mathematics" (3 C)
- M.Mat.4844 Seminar course in the cycle "Mathematical Statistics" (3 C)
- M.Mat.4845 Seminar course in the cycle "Statistical Modelling and Inference" (3 C)
- M.Mat.4941 Advanced seminar course in the cycle "Applied and Mathematical Stochastic" (3 C)
- M.Mat.4942 Advanced seminar course in the cycle "Stochastic Processes" (3 C)
- M.Mat.4943 Advanced seminar course in the cycle "Stochastic Methods of the Business Mathematics" (3 C)
- M.Mat.4944 Advanced seminar course in the cycle "Mathematical Statistics" (3 C)
- M.Mat.4945 Advanced seminar course in the cycle "Statistical Modelling and Inference" (3 C)
- P.Forst.110 Spatial statistics (3 C)
- M.Forst.1422 Remote Sensing and GIS (6 C)
- M.Forst.1513 Monitoring of forest resources (6 C)
- M.Forst.1609 Remote sensing image processing with open source software (6 C)
- PAG 0060 Advanced methods in animal breeding and statistical genetics (6 C)
- PAG 0065 Market Integration and Price Transmission (6 C)
- PAG 0043 Efficiency and Productivity Analysis: Stochastic Approaches (6 C)

PAG 0070 Risk Analysis and Risk Management in Agriculture (6 C)

GRK1666.ME04 Consumer behavior and demand analysis: Theory and applications (3 C)

PAG 0073 Consumer Behavior and Demand Analysis II: Theory and Applications (6 C)

PAG 0080 Statistical Methods and Analyses in the Agricultural Sciences (6 C)

3. Summer schools/Conferences

At least one of the following modules with a rating of 2 credits should be successfully completed:

P.ASEM.0002 Summer schools (2 C)
