

**THE UNIVERSITY OF HONG KONG
DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE**

HKU Courses with RSS Quality Mark

Master of Statistics (MStat)

Compulsory
STAT7101 Fundamentals of statistical inference
STAT7102 Advanced statistical modelling
Electives (Risk Management theme)
STAT6013 Financial data analysis
STAT6015 Advanced quantitative risk management
STAT6017 Operational risk and insurance analytics
STAT8003 Time series forecasting
STAT8007 Statistical methods in economics and finance
STAT8017 Data mining techniques
STAT8020 Quantitative strategies and algorithmic trading
STAT8021 Big data analytics
Electives (Data Analytics theme)
STAT6011 Computational statistics and Bayesian learning
STAT6016 Spatial data analysis
STAT7005 Multivariate methods
STAT7007 Categorical data analysis
STAT7008 Programming for data science
STAT8003 Time series forecasting
STAT8016 Biostatistics
STAT8017 Data mining techniques
STAT8019 Marketing analytics
STAT8021 Big data analytics
STAT8302 Structural equation modelling
STAT8306 Statistical methods for network data
Electives (Other)
STAT6009 Research methods in statistics
STAT6010 Advanced probability
STAT6019 Current topics in statistics
STAT7006 Design and analysis of sample surveys
STAT8000 Workshop on modelling and database management
Capstone
STAT8017 Data mining techniques
STAT8089 Capstone project