

**M.S. program in Statistical Sciences**

**Course List**

<b>Number</b>	Required/ Selected	Credits	Course Title	Language
<b>2315700</b>	Selected	3	Stochastic Simulation	Chinese – taught
<b>2315701</b>	Selected	3	Probability Theory	Chinese – taught
<b>2315702</b>	Selected	3	Advanced Probability Theory	Chinese – taught
<b>2315703</b>	Selected	3	Stochastic Process	Chinese – taught
<b>2315704</b>	Selected	3	Applied Probability	Chinese – taught
<b>2315705</b>	Selected	3	Mathematical Formulation on Practical Random Phenomena	Chinese – taught
<b>2315706</b>	Selected	3	Introduction to Probability Models	Chinese – taught
<b>2315711</b>	Required	3	Mathematical Statistics (I)	Chinese – taught
<b>2315712</b>	Required	3	Mathematical Statistics (II)	Chinese – taught
<b>2315716</b>	Selected	3	Spatial Statistics	Chinese – taught
<b>2315721</b>	Selected	3	Applied Statistics	Chinese – taught
<b>2315722</b>	Selected	3	Data Analysis	Chinese – taught
<b>2315723</b>	Selected	3	Multivariate Methods	Chinese – taught
<b>2315724</b>	Selected	3	Sampling Methods	Chinese – taught
<b>2315725</b>	Selected	3	Regression Analysis	Chinese – taught
<b>2315726</b>	Selected	3	Design of Experiments	Chinese – taught
<b>2315727</b>	Selected	3	Fundamentals of Survey Methodology	Chinese – taught
<b>2315728</b>	Selected	3	Introduction to Big Data Analysis	Chinese – taught

<b>2315729</b>	Selected	3	Unsupervised Learning	Chinese – taught
<b>2315730</b>	Selected	3	Statistical Computing Languages and Software	Chinese – taught
<b>2315732</b>	Selected	3	Topics in Statistical Methods	Chinese – taught
<b>2315733</b>	Required	3	Computational Statistics	Chinese – taught
<b>2315743</b>	Selected	3	Survival Analysis	Chinese – taught
<b>2315747</b>	Selected	3	Statistical Quality Control	Chinese – taught
<b>2315748</b>	Selected	3	Reliability Analysis	Chinese – taught
<b>2315751</b>	Selected	3	Statistical Methods for Forecasting	Chinese – taught
<b>2315761</b>	Selected	3	Empirical Bayes	Chinese – taught
<b>2315775</b>	Selected	3	Biostatistics	Chinese – taught
<b>2315776</b>	Selected	3	Longitudinal Data Analysis	Chinese – taught
<b>2315777</b>	Selected	3	Statistical Methods in Clinical Trials	Chinese – taught
<b>2316703</b>	Selected	3	Advanced Probability Models	Chinese – taught
<b>2316711</b>	Selected	3	Advanced Statistical Inference	Chinese – taught
<b>2316712</b>	Selected	3	Theory statistical asymptotic	Chinese – taught
<b>2316723</b>	Selected	3	Analysis of Categorical Data	Chinese – taught
<b>2316725</b>	Selected	3	Generalized Linear Models	Chinese – taught
<b>2316727</b>	Selected	3	Nonparametric Regression Analysis	Chinese – taught
<b>2316731</b>	Selected	3	Recursive Partitioning Methods	Chinese – taught
<b>2316732</b>	Selected	3	Machine Learning	Chinese – taught
<b>2316751</b>	Selected	3	Time Series	Chinese – taught
<b>2316801</b>	Selected	3	Advanced Statistics (I)	Chinese – taught

<b>2316802</b>	Selected	3	Advanced Statistics (II)	Chinese – taught
<b>2316821</b>	Selected	3	Topics in Regression Analysis (I)	Chinese – taught
<b>2316825</b>	Selected	3	Topics in Generalized Linear Models	Chinese – taught
<b>2316833</b>	Selected	3	Topics on Computing Statistics	Chinese – taught
<b>2317813</b>	Selected	3	Topics in Multivariate Analysis (I)	Chinese – taught
<b>2317814</b>	Selected	3	Topics in Multivariate Analysis (II)	Chinese – taught
<b>2317815</b>	Selected	2	Weakly Empirical Processes	Chinese – taught
<b>2317816</b>	Selected	3	Topics in Empirical Bayes	Chinese – taught
<b>2317821</b>	Selected	3	Statistical Consultation	Chinese – taught
<b>2318813</b>	Selected	2	Scientific English Writing	Chinese – taught
<b>2318814</b>	Required	2	Literature Study	Chinese – taught