

M.S. program in Applied Mathematics

Course List

Number	Required/ Selected	Credits	Course Title	Language
2105005	Required	3	Matahematical Analysis (I)	Chinese – taught
2105006	Required	3	Matahematical Analysis (II)	Chinese – taught
2105007	Selected	3	Mathematical Modeling	Chinese – taught
2105008	Selected	3	Topics in Calculus Teaching Theory and Practice	Chinese -taught
2105101	Selected	3	Complex Analysis (I)	Chinese – taught
2105102	Selected	3	Complex Analysis (II)	Chinese – taught
2105201	Selected	3	Ordinary Differential Equations (I)	Chinese – taught
2105202	Selected	3	Ordinary Differential Equations (II)	Chinese -taught
2105203	Selected	3	Partial Differential Equations (I)	Chinese – taught
2105204	Selected	3	Partial Differential Equations (II)	Chinese – taught
2105501	Selected	3	Introduction to Applied Mathematics (I)	Chinese – taught
2105502	Selected	3	Introduction to Applied Mathematics (II)	Chinese -taught
2105503	Selected	3	Perturbation Methods	Chinese – taught
2105504	Selected	3	Perturbation Methods (II)	Chinese – taught
2105509	Selected	3	Numerical Analysis	Chinese – taught
2105521	Selected	3	Numerical Linear Algebra	Chinese -taught
2105522	Selected	3	Numerical Ordinary Differential Equations	Chinese – taught
2105531	Selected	3	Numerical Analysis and Scientific Computing	Chinese – taught
2105532	Selected	3	Foundation of Scientific Computing	Chinese – taught

2105533	Selected	3	Computer Programming And Applications	Chinese -taught
2105551	Selected	3	Linear Programming (I)	Chinese – taught
2105553	Selected	3	Optimization Methods (I)	Chinese – taught
2105554	Selected	3	Optimization Methods (II)	Chinese – taught
2106201	Selected	3	Topics in Ordinary Differential Equations (I)	Chinese -taught
2106202	Selected	3	Topics in Ordinary Differential Equations (II)	Chinese – taught
2106203	Selected	3	Special Topics in Partial Diferential Equations (I)	Chinese – taught
2106204	Selected	3	Special Topics in Partial Diferential Equations (II)	Chinese – taught
2106207	Selected	3	Topics in Linear Partial Differential Equations (I)	Chinese -taught
2106208	Selected	3	Topics in Linear Partial Differential Equations (II)	Chinese – taught
2106209	Selected	3	Topics in Nonlinear Partial Differential Equations (I)	Chinese – taught
2106210	Selected	3	Topics in Nonlinear Partial Differential Equations (II)	Chinese – taught
2106217	Selected	3	Topics in Mathematical Fluid Dynamics (I)	Chinese -taught
2106218	Selected	3	Topics in Mathematical Fluid Dynamics (II)	Chinese – taught
2106291	Selected	2	Special Topics in Partial Diferential Equations (I)	Chinese – taught
2106292	Selected	2	Special Topics in Partial Diferential Equations (II)	Chinese – taught

2106511	Selected	3	Topics in Numerical Analysis (I)	Chinese -taught
2106513	Selected	3	Topics in Numerical Methods for O. D. E. (I)	Chinese – taught
2106514	Selected	3	Topics in Numerical Methods for O. D. E. (II)	Chinese -taught
2106515	Selected	3	Selected Topics on Numerical Methods in P.D.E. (I)	Chinese – taught
2106516	Selected	3	Selected Topics on Numerical Methods in P.D.E. (II)	Chinese – taught
2106518	Selected	3	Special topics on Numerical methods for PDEs	Chinese – taught
2106531	Selected	3	Selected Topics on the Methods of Applied Mathematics	Chinese -taught
2106532	Selected	3	Topics in Applied Mathematics	Chinese – taught
2106551	Selected	3	Topics in Operations Research (I)	Chinese – taught
2106552	Selected	3	Topics in Operations Research (II)	Chinese – taught
2106553	Selected	3	Topics in Optimization (I)	Chinese – taught
2106554	Selected	3	Topics in Optimization (II)	Chinese – taught
2108804	Required	2	Literature Readings	Chinese – taught