

【 Master Degree Courses Time Table 】

Department of Applied Mathematics, Fall semester, 2020

Graduation Credits: 28 credits (excluding paper)

Classification	Subject	Required/ Selected	Credit	Hours
Required Courses	Seminar(I)	Required	2	2
	Seminar(II)	Required	2	2
	General Algebra	Selected	3	3
	General Analysis	Selected	3	3
	Field Theory	Selected	3	3
	Theory of Fuzzy sets (I)	Selected	3	3
	Theory of Fuzzy sets (II)	Selected	3	3
	Topics in Algebra	Selected	3	3
	Thesis Writing in Mathematics	Selected	3	3
	Real Analysis	Selected	3	3
	Approximation Theory in Hilbert Spaces	Selected	3	3
	Regression Analysis with Fuzzy Data	Selected	3	3
	Fuzzy Mathematics	Selected	3	3
	Topics in Fuzzy Mathematics	Selected	3	3
	Advanced Discrete Mathematics	Selected	3	3
	Advanced Combinatorics	Selected	3	3
	Applied Combinatorics	Selected	3	3
	Applied Algebra	Selected	3	3
	Ordinary Differential Equations	Selected	3	3
	Topics in Ordinary Differential Equations	Selected	3	3
	Partial Differential Equations	Selected	3	3
	Topics in Mathematical Biology	Selected	3	3
	Scientific Computing	Selected	3	3
	Switching Networks	Selected	3	3
	Graph Theory	Selected	3	3
	Numerical Methods for Differential Equations	Selected	3	3
	Topics in Dynamical Systems	Selected	3	3
	Fuzzy Linear Systems (I)	Selected	3	3
Fuzzy Linear Systems (II)	Selected	3	3	
Matrix Computation	Selected	3	3	
Other				
	Quantitative Research in Mathematics Education	Selected	3	3

Mathematics Education	Qualitative Research in Mathematics Education	Selected	3	3
	Methods in Educational Research	Selected	3	3
	Topics in Thesis Writing	Selected	3	3
	Study of Mathematics Misconcepts	Selected	3	3
	Design and Analysis of Mathematical Puzzles	Selected	3	3
	Advanced Study of Mathematics Games	Selected	3	3
	Design and Analysis of Mathematics Remedial Teaching	Selected	3	3
	Study of Mathematics Problem Solving	Selected	3	3
	Advanced Educational Statistics	Selected	3	3
	Study of Mathematics Curriculum Theory	Selected	3	3
	Study of Mathematics Cognition Development	Selected	3	3
	Research in the Psychology of Learning Mathematics	Selected	3	3
	Teaching Content and Methods in Mathematics(I)	Selected	3	3
	Teaching Content and Methods in Mathematics (II)	Selected	3	3
	Development of Number and Quantity Concepts(I)	Selected	3	3
	Development of Number and Quantity Concepts(II)	Selected	3	3
	Study of Mathematics Teaching	Selected	3	3
	The Growth of Mathematics Teacher	Selected	3	3
	Design of Mathematics Teaching Evaluation	Selected	3	3
	Action Study of Mathematics	Selected	3	3
	Production of Mathematics Material	Selected	3	3
	Research in Computer-Assisted Instruction	Selected	3	3
	Evaluation of Computer Teaching	Selected	3	3
	Computer Diagnosis and Teaching Remedy System	Selected	3	3
	Design of Global Web Information into Teaching	Selected	3	3
	Design and Analysis of Science Fair	Selected	3	3
	Applied Mathematics Softwares	Selected	3	3
Mathematical thinking and problem solving	Selected	3	3	
Other	Selected			