

Course Code	Subject	Credit	Required/ Selected	Full year/ semester	prerequisites
AMI1001	Seminar	0	Required	Full year	Listen to at least 8 lectures per semester
AMI1002	Thesis	6	Required	Full year	
AMI2107	Topics of Mathematical Statistics	3	Selected	semester	at least selected 6 credits
AMI2108	Topics of Applied Mathematics	3	Selected	semester	
AMI3101	Topics of Numerical Analysis	3	Selected	semester	
AMI3116	Topics of Combinatorial Mathematics	3	Selected	semester	
AMI3122	Game Theory	3	Selected	semester	
AMI3207	Topics of Regression Analysis	3	Selected	semester	
AMI2102	Topics of Number Theory	3	Selected	semester	
AMI2104	Advanced Abstract Algebra	3	Selected	semester	
AMI2105	Topics of Geometry	3	Selected	semester	
AMI2106	Topics of Real Analysis	3	Selected	semester	
AMI3103	Topics of Differential Equations	3	Selected	semester	
AMI3104	Topics of Partial Differential Equations	3	Selected	semester	
AMI3106	Topics of Differential Geometry	3	Selected	semester	
AMI3108	Topics of Optimization Theory	3	Selected	semester	
AMI3109	Topics of Computational Methods	3	Selected	semester	
AMI3110	Topics of Matrix Computation	3	Selected	semester	
AMI3111	Topics of Complex Analysis	3	Selected	semester	
AMI3112	Topics of Algorithm	3	Selected	semester	
AMI3114	Topics of Dynamic System	3	Selected	semester	
AMI3117	Topics of Discrete	3	Selected	semester	

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	Mathematics				
AMI3118	Topics of Graph Theory	3	Selected	semester	
AMI3123	Applied Game Theory	3	Selected	semester	
AMI3201	Advanced Probability	3	Selected	semester	
AMI3202	Topics of Statistical Methods	3	Selected	semester	
AMI3203	Research of Statistical Inference	3	Selected	semester	
AMI3204	Topics of Sampling Theory	3	Selected	semester	
AMI3205	Topics of Stochastic Processes	3	Selected	semester	
AMI3206	Topics of Analysis of Variance and Experimental Design	3	Selected	semester	
AMI3208	Topics of Linear Model	3	Selected	semester	
AMI3209	Topics of Multivariate Data Analysis	3	Selected	semester	
AMI3211	Topics of Actuarial Mathematics	3	Selected	semester	
AMI3212	Topics of Risk Theory	3	Selected	semester	
AMI3213	Topics of Categorical Analysis	3	Selected	semester	
AMI3215	Topics of Nonparametric Statistics	3	Selected	semester	
AMI3216	Time Series	3	Selected	semester	
AMI3217	Data Mining	3	Selected	semester	
AMI3218	Statistical Consultation	3	Selected	semester	
AMI3219	Structural Equation Modeling	3	Selected	semester	
AMI3220	Topics of Financial Mathematics	3	Selected	semester	
AMI3221	Topics of investing mathematics	3	Selected	semester	
AMI3222	Topics of Mathematics of Derivatives	3	Selected	semester	
AMI3401	Mathematical Writing	3	Selected	semester	

Course Code	Subject	Credit	Required/ Selected	Full year/ semester	prerequisites
AMI3402	Mathematical Article Translation	3	Selected	semester	
AMI3403	Selection of Works	3	Selected	semester	
AMI3404	Independent Ability for Investigation	3	Selected	semester	
AMI3405	Mathematics Articles	3	Selected	semester	