

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

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<b>AMI3402</b>	Mathematical Article Translation	3	Selected	semester	
<b>AMI3403</b>	Selection of Works	3	Selected	semester	
<b>AMI3404</b>	Independent Ability for Investigation	3	Selected	semester	
<b>AMI3405</b>	Mathematics Articles	3	Selected	semester	