MATHEMATICS PhD Program (on MSc)

REMEDIAL COURSES				
Dept.	**Code**	**Course Name**	**CR.**	**ECTS**
MATH	231	Lineer Cebir I	NC	
MATH	232	Lineer Cebir II	NC	
MATH	245	Adi Diferansiyel Denklemler	NC	
MATH	255	Kalkülüs III	NC	
MATH	252	Reel Analiz I	NC	
MATH	212	Diferansiyel Geometri	NC	
MATH	325	Temel Sayılar Teorisi	NC	
MATH	357	Kompleks Analiz	NC	
MATH	321	Grup Teorisine Giriş	NC	
MATH	322	Soyut Cebir	NC	
MATH	343	Kısmi Türevli Diferansiyel Denklemler	NC	
MATH	362	Matematiksel Olasılık	NC	
MATH	439	Metrik ve Topolojik Uzaylar	NC	
MATH	456	Fonksiyonel Analiz	NC	
PROGRAM COURSES				
Dept.	**Code**	**Course Name**	**CR.**	**ECTS**
		Departmental Elective I	3	10
		Departmental Elective II	3	10
		Departmental Elective III	3	10
		Departmental Elective IV	3	10
		Departmental Elective V	3	10
		Departmental Elective VI	3	10
		Departmental Elective VII*	3	10
MATH	690	Seminar II	NC	10
MATH	691	Independent Study for Qualifying Exam	NC	30
MATH	700	PhD Dissertation	NC	150
		TOTAL	21	260
EXTRA/NON-DEGREE COURSES				
Dept.	**Code**	**Course Name**	**CR.**	**ECTS**
		Extra/Non-degree	NC	

* If a student did not take a research methods/methodologies course during MS work, he/she shall take one of the courses in Research Methodologies instead of Departmental Elective III.

Course Group	Description
Departmental Elective I-VII	Mathematics courses under the GSNAS.
Research Methodologies	MATH 580.
Extra/Non-degree	Optional non-credit (NC) courses that are not part of the program.
Remedial Courses	Undergraduate level courses offered by department.