MATHEMATICS MSc (without Thesis)

SCIENTIFIC PREPARATION COURSES				
Dept.	**Code**	**Course Name**	**CR.**	**ECTS**
MATH	132	Calculus II	NC	
MATH	231	Linear Algebra I	NC	
MATH	232	Linear Algebra II	NC	
MATH	245	Ordinary Differential Equations	NC	
MATH	246	Advanced Ordinary Differential Equations	NC	
MATH	255	Vector Analysis	NC	
MATH	256	Introduction to Real Analysis	NC	
MATH	312	Elementary Differential Geometry	NC	
MATH	321	Introduction to Group Theory	NC	
MATH	322	Abstract Algebra	NC	
MATH	343	Partial Differential Equations	NC	
MATH	351	Measure and Integration	NC	
MATH	357	Complex Analysis	NC	
MATH	421	Basic Number Theory	NC	
MATH	439	Metric and Topological Spaces	NC	
MATH	452	Introduction to Functional Analysis II	NC	
PROGRAM COURSES				
Dept.	**Code**	**Course Name**	**CR.**	**ECTS**
MATH	521	Algebra I	3	10
MATH	531	Topology	3	10
MATH	553	Complex Analysis	3	10
MATH	555	Measure And Integration Theory	3	10
MATH	580	Methods In Mathematical Reasoning	3	10
		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
MATH	590	Seminar I	NC	10
MATH	591	Research Report	NC	10
		TOTAL	30	120
EXTRA/NON-DEGREE COURSES				
Dept.	**Code**	**Course Name**	**CR.**	**ECTS**
		Extra/Non-degree	NC	

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