



**PHYSICS MSc Program**

<b>REMEDIAL COURSES</b>				
<b>Dept.</b>	<b>Code</b>	<b>Course Name</b>	<b>CR.</b>	<b>ECTS</b>
PHYS	104	Physics III	NC	
PHYS	203	Statistical Physics	NC	
PHYS	204	Classical Mechanics	NC	
PHYS	205	Introduction to Optics	NC	
PHYS	206	Mathematical Methods in Physics	NC	
PHYS	303	Introduction to Metrology	NC	
PHYS	304	Applied Metrology	NC	
PHYS	306	Photonics	NC	
PHYS	311	Quantum Mechanics	NC	
PHYS	317	Electromagnetism	NC	
PHYS	319	Modern Physics	NC	
PHYS	401	Metrology and Calibration Lab.	NC	
PHYS	408	Nuclear and Plasma Physics	NC	
PHYS	409	Medical Physics	NC	
PHYS	412	Condensed Matter Physics	NC	
<b>PROGRAM COURSES</b>				
<b>Dept.</b>	<b>Code</b>	<b>Course Name</b>	<b>CR.</b>	<b>ECTS</b>
PHYS	511	Electromagnetism I	4	10
PHYS	541	Thermodynamics	4	10
PHYS	561	Mathematical Methods and Classical Mechanics	3	10
PHYS	521	Quantum Mechanics I	3	10
PHYS	514	Research Methods	3	10
PHYS	542	Advanced Metrology	3	10
		Area Elective I	3	10
PHYS	590	Research Seminar	NC	2
PHYS	600	MSc Thesis	NC	60
		TOTAL	23	132
<b>EXTRA/NON-DEGREE COURSES</b>				
<b>Dept.</b>	<b>Code</b>	<b>Course Name</b>	<b>CR.</b>	<b>ECTS</b>
		Extra/Non-degree	NC	

<b>Course Group</b>	<b>Description</b>
Area Elective I	All GSNAS courses in the elective pool offered by all departments
Extra/Non-degree	Optional non-credit (NC) courses that are not part of the program
Remedial Courses	Undergraduate level courses offered by department.