

MSc in Nanophysics – Curriculum Chart

Term 1

Courses	Credits	Code	Prerequisites	Type
Advanced Quantum Mechanics 1	3	2.22411		Required
Electrodynamics	3	2.22571		Elective
Computational Physics For Nanometric Systems	1	2.22569		Required
Total Credits	7			

Term 2

Courses	Credits	Code	Prerequisites	Type
Advanced Quantum Mechanics 2	3	2.22412		Required
Advanced Statistical Mechanics 1	3	2.22413		Required
Advanced Solid-State Physics	3	2.22568		Required
Total Credits	9			

Term 3

Courses	Credits	Code	Prerequisites	Type
Nano Physics Laboratory 1	1	2.22570		Required
Thin Layers Physics and Their Surface	3	2.22562		Elective
Nano particles And Application	3	2.22564		Elective
Laser spectroscopy	3	2.22565		Elective
Physics and Technology of Devices	3	2.22566		Elective
Nano Physics Laboratory 2	1	2.22567		Elective
Nano Structure Analysis Methods	3	2.22563		Elective
Seminar	2	2.22416		Required
Seminar	1	2.22009		Required
Total Credits				

Term 4

Courses	Credits	Code	Prerequisites	Type
Thesis	6	2024017		
Total Credits	6			

Total Credits of Elective Courses: 9

Total Credits of Required Courses: 15

Total Credits of Thesis: 6

Total Credits of Seminar: 2