

Curriculum Structure of Master in Materials Science by Research & Course

Group	Code	Course	Credit
Compulsory Courses	SCMS801101	General Materials Science	4
	SCMS801102	Materials Thermodynamics	3
	SCMS801103	Crystallography of Materials and Diffraction Techniques	3
	SCMS801104	Materials Phase Transformation	3
	SCMS801105	Technical Economics	2
	SCMS801106	Advanced Laboratory Work	4
	SCMS802001	Seminar	2
	SCMS802002	Scientific Seminar	2
	SCMS802003	Thesis Defense	8
Elective Courses	SCMS801107	Corrosion and Materials Protection	3
	SCMS801108	Polymer Materials	3
	SCMS801109	Composite Materials	3
	SCMS801110	Ceramic Materials	3
	SCMS801111	Electronic Materials	3
	SCMS801112	Magnetic Materials	3
	SCMS801113	Materials Computation Method	3
	SCMS801114	Manufacturing Process of Metal and Alloys	3
	SCMS801115	Thin Layer Materials	3
SCMS801116	Nano Materials	3	

Percentage of courses groups

Compulsory courses	31 Credits	77%
Elective courses	9 Credits	23%
Total	40 Credits	100%

Distribution of Courses

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5
REGULER CLASS				
5 Compulsory Courses (15 Credits)	1 Compulsory (4 Credits) + 3 Elective Courses (13 Credits)	Research Result Seminar (0 Credits)	Scientific Seminar (2 Credits)	
		Seminar (2 Credits)	Thesis Defense (8 Credits)	
NON REGULAR CLASS				
3 Compulsory Courses (9 Credits)	3 Compulsory Courses (10 Credits)	3 Compulsory Courses (9 Credits)	Scientific Seminar (2 Credits)	Research Result Seminar (0 Credits)
			Seminar (2 Credits)	Thesis Defense (8 Credits)