

Year	Sem	Subject name	Weekly number of hours				ECTS
			Lecture	Tutorial	Lab work	Project	
1	1	Advanced methods of synthesis of substances and materials	2		2		5
1	1	Advanced methods of surfaces and interfaces functionalization	2		1		5
1	1	Correlations of composition – synthesis – processing – properties in term of functions of use of materials	2		1		5
1	1	CAD of materials with predetermined morpho-structural features	2			2	5
1	1	Scientific Research	14				10
1	2	Multifunctional and smart oxide materials	2		0		4
1	2	Advanced manufacturing techniques of 3D materials	1		2		5
1	2	Advanced manufacturing techniques of 2D materials	2		1		5
1	2	Advanced manufacturing techniques of 1D materials	2		1		3
1	2	Advanced manufacturing techniques of 0D materials	2		1		3
1	2	Scientific Research	14				10
2	1	Advanced microscopy, diffraction and fluorescence techniques	3	-	2	-	5
2	1	Advanced thermal and spectrometric techniques	2	-	2	-	5
2	1	Design and manufacturing of materials with special applications	0	-	-	2	3
2	1	Standards for testing and certification of materials in terms of targeted application/evaluation of their performance	1		1		4
2	1	Ethics and academic integrity	1				2
2	1	Scientific Research	14				10
2	2	Scientific Research, research practice and MSc thesis preparation	28				30