

Year	Sem	Subject name	Weekly number of hours				ECTS
			Lecture	Tutorial	Labwork	Project	
1	1	Constituent materials for advanced composites - fibers, filers and matrices	2	0	1	1	5
1	1	Design and functional performance of composite materials	2	0	0	0	3
1	1	Polymer matrix composites: design and macroscopic properties	1	0	2	0	4
1	1	Functional polymer nanocomposites	2	0	0	0	4
1	1	Micro- and nanostructured composites for advanced mechanical and thermal applications	1	0	1	1	4
1	1	Scientific Research Module I	12				10
1	2	Design and recycling of composite materials	2	0	0	2	5
1	2	Advanced computational modeling and structure and properties simulation	1	0	1	0	4
1	2	Micro and nanocomposites with electrical and magnetic properties for microelectronics and optoelectronics	2	0	2	0	5
1	2	Advanced composite materials for construction and infrastructure	2	0	0	1	4
1	2	Life cycle assessment (LCA) of composite materials / Low-carbon composite materials	1	0	0	0	2
1	2	Scientific Research Module II	12				10
2	1	Advanced practices in academic ethics and professional conduct	1	0	0	0	2

2	1	Composite materials for biomedical applications	2	0	2	0	5
2	1	Surfaces and interfaces in nanocomposites: functionalization and compatibilization	2	0	1	0	5
2	1	Composites for solid-state energy devices	2	0	2	0	5
2	1	Scientific writing, presentation, and research project management in an AI environment	0	0	0	2	3
2	1	Scientific Research Module III	12				10
2	2	Scientific research, research practice, and preparing the dissertation	26				30