Universidad Carlos III de Madrid

COURSE: Technology applied to Nanomaterials		
POSTGRADE: MÁSTER in MATERIASL SCENCE and ENGINEERING Professor: Mª Eugenia Rabanal Jiménez	ECTS: 3	SEMESTER I

WEEKLY TIMETABLE							
WEEK	SESSIONS	DESCRIPCION	GROUPS	Special room for session	Weekly programming for student		
			1		DESCRIPTION	CLASS HOURS	HOMEWORK HOURS (MAX 7)
1	1	Introduction to technology applied to nanomaterials				1.5	
	2	Properties of nanometric scale. New advanced materials			Read and understanding of matters	1.5	3
2	3	Synthesis. Characterization methods. Properties and Aplications			Read and understanding of matters	1.5	3
	4	Lab (Session I)		LAB		1.5	2
3	5	Magnetic, optical, electrical, mechanical, … Properties: Nanofluids, zeolites, clusters, ….			Read and understanding of matters	1.5	3
	6	Nano-structures based on Cs de C: fullerenes, Nanotubes, graphene, (session I)			Read and understanding of matters	1.5	3

4	7	Lab (Sesión II)				1.5	2
	8	Nano-structures based on Cs de C: fullerenes, Nanotubes, graphene, (session II)			Read and understanding of matters	1.5	3
5	9	High Specific Surface: a new world of applications			Read and understanding of matters	1.5	3
	10	Lab (Sesión III)				1.5	2
6	11	Hybrid&Composite nanostructured Materials			Read and understanding of matters	1.5	3
	12	Bio-nanotechnology: applications, new and futures challenges			Read and understanding of matters	1.5	3
7	13	Challenges of Nanomateriales			Read and understanding of matters	1.5	3
	14	Oral presentations of students				1.5	3
		Preparing exam				5	5

		EXAM				2	8
TOTAL HOURS							