



DENOMINACIÓN ASIGNATURA: Advanced Ceramics Materials		
POSTGRADO: MÁSTER UNIVERSITARIO EN Ciencia e Ingeniería de Materiales Profesor/a: Alejandro Várez Álvarez, Belén Levenfeld Laredo, Teresa Jardiel	ECTS: 3	CUATRIMESTRE: 2

CRONOGRAMA DE LA ASIGNATURA (versión detallada)								
SE M A N A	SE SI ÓN	DESCRIPCIÓN DEL CONTENIDO DE LA SESIÓN	GRUPO (marcar X)		Indicar espacio Necesario distinto aula (aula informática, audiovisual, etc..)	TRABAJO DEL ALUMNO DURANTE LA SEMANA		
			1	2		DESCRIPCIÓN	HORAS PRESENCIALES (Profesores)	HORAS TRABAJO Semana Máximo 7 H
		Presentation of the subject W16 Sept						
1	1	Introduction and Crystal structures Th 17 Sept	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (A.Varez)	4
1	2	Properties of Ceramics W 23Sept	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (A.Varez)	4
2	3	Synthesis and Proccesing Th 24 Sept	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (T. Jardiel)	4
2	4	Powder Injection/extrusion Moulding W 30 Sept	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (B. Levenfeld)	4



3	5	Glasses Th 1 Oct	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (A.VArez)	4
3	6	Glass forming W 7 Oct.	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (A.VArez)	4
4	7	Refractories Th 8 Octubre	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (A.VArez)	4
4	8	Structural Ceramics I: Alumina, Zirconia and Mullite W 14 Octubre	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (A.Varez)	4
5	9	Structural Ceramics II: Non-oxidics Th 15 Octubre	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (A.Varez)	4
5	10	Funcional Ceramics: Dielectrics W 21 Oct	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (A.Varez)	4
6	11	Funcional Ceramics: Magnetics Th 22 Oct	X		classroom	Recommended bibliography study, slide consultation and exercises	1,5 (A.Varez)	4
6	12	Ceramics Practices 1.- Powder Injection and Extrusion Molding W 28 Oct	X	X	Laboratory	Report on results associated with case studies	1,5 (Carlos Alba and C. de la Torre)	6
7	13	Ceramics Practices 2.- 3-D Printing Th 29 Oct	X	X	Laboratory	Report on results associated with case studies prácticos	1,5 (Carlos Alba and C. de la Torre)	6



7	14		X	X	Laboratorio de caracterización	Report on results associated with case studies	1,5 (y A.Varez)	6
TOTAL HORAS							21	62

Schedule W: 16:30-18:00 (Classroom 7.2H01)

Schedule Th: 14:45-16:15 (Classroom 7.2H01)