COURSE GUIDE - short form

Academic year 2017...2018

Course name ¹	Optical and Scanning Electronic Microscopy			Cou	ode 3SM10I	3SM10DS			
Course type ²	DS	Category ³	DO	Year of study	3	Semester	5	Number of credit points	3

Faculty	Faculty of Materials Science and Engineering	Number of teaching and learning hours ⁴			ng		
Field	Materials engineering	Total	L	T	LB	P	IS
Specialization	Materials Science	70	28		14		28

Pre-requisites from the	Compulsory	
curriculum ⁵	Recommended	

General objective ⁶	Understanding the principles of the optical microscopy and scanning electronic microscopy in order to select in an appropriate way the techniques for materials' investigation.
Specific objectives ⁷	Know how to investigate through microscopic methods the materials in different situations.
Course description ⁸	Reflection, refraction, optical resolution, magnifier, SEM, electron dispersion and scattering

	Assessment	Schedule ⁹	Percentage of the final grade (minimum grade) ¹⁰	
	Class tests along the semester			10%
Continuous assessment	Activity during tutorials/laborator works/projects/practical work	y		20%
	Assignments			20%
	Final assessment form ¹¹	colloquim	14	
Final assessment	questions, percent of the final grade 50%			50%

Course organizer	
Teaching assistants	

¹Course name from the curriculum

² DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

³ DI – imposed, DO –optional, DL – facultative (from the curriculum)

⁴ Points 3.8, 3.5, 3.6a,b,c, 3.7 from the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)

According to 4.1 – Pre-requisites - from the Course guide – extended form

⁶ According to 7.1 from the Course guide – extended form

⁷ According to 7.2 from the Course guide – extended form

⁸ Short description of the course, according to point 8 from the Course guide – extended form

 $^{^{9}}$ For continuous assessment: weeks 1-14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

¹⁰ A minimum grade might be imposed for some assessment stages

¹¹ Exam or colloquium