COURSE ID SHEET

Course No.	5281		N	TUA					Tak-taken	
Semester:	5	Core			Elec	tive	X	[Specialization	
Title:	MATERIALS DECAY AND PROTECTION									
Aim:	The education of students in the field of decay and protection of materials (metals and porous materials).									
Content:	 Susceptibility of materials (metal or porous material) to decay under specific environmental conditions, as well as and the resistance of materials to decay (durability). Mechanical properties/ stresses alteration as a decay result. Main decay types. Decay process evolution. Decay dependency on environmental factors. Modification of materials properties and environmental parameters. Study of the system of material-environment, for the reduction of the development and evolution of decay. Protection of materials at industrial and buildings scale. 									
Hours per semester:	LECTURES	26	EXERCISES	21	LABORA- TORY	-	HOME- WORK	43	TOTAL HOU	RS: 90
Student performance/ evaluation:	The evaluation of the students will be done through: • A Final (written) examination (FE, 65% of the final grade), and • Laboratory exercises (LE, 35% of the final grade).									

The final grade results as follows: Final Grade = 0.65 x (FE) + 0.35 x (LE)