

COURSE: Surface Engineering		
DEGREE: Engineering in Industrial Technologies	YEAR: 4th	TERM: 2nd

WEEKLY PLANNING								
WEEK	SESSION	DESCRIPTION	TEACHING (mark X)		SPECIAL ROOM FOR SESSION (Computer class room, audio-visual class room)	WEEKLY PROGRAMMING FOR STUDENT		
			L E C T U R E S	S E M I N A R S		DESCRIPTION	CLASS HOURS (1,66=50+50 min)	HOMEWORK HOURS (Max. Estim. 3,25h)
1	1	Introduction to the subject. Lesson 1. Introduction to corrosion				Study of contents.	1.66	2
2	2	Lesson 2. Thermodynamics of aqueous corrosion				Study of contents. 1st assessment exercise	1.66	3
3	3	Lesson 3. General and galvanic corrosion				Study of contents. 2nd assessment exercise	1.66	3
4	4	Lesson 4. Localized corrosion. Lesson 5 corrosion determined by metallurgical factors				Study of contents. 3rd assessment exercise	1.66	3
5	5	Lesson 6. Aqueous corrosion testing				Study of contents. 4th assessment exercise	1.66	3
6	6	Lesson 7 High-temperature oxidation in gases				Study of contents. 5th assessment exercise	1.66	3
7	7	Lesson 8. Tribology. Lesson 9. Corrosion assisted by mechanical efforts				Study of contents. 6th assessment exercise	1.66	3
8	8	Lesson 10. H embrittlement. Lesson 11. Protection against aqueous corrosion				Reading the guide notes for the experimental work and solving the raised questions	1.66	3
9	9	Laboratory of corrosion				Study of contents.	1.66	3
10	10	Lesson 12. Surface pretreatment. Lesson 13. Types of coatings				Study of contents. 6th assessment exercise	1.66	2

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11	11	Lesson 14. Metallic coatings.				Study of contents. 7th assesment exercise	1.66	2
12	12	Lesson 14. Metallic coatings. 7: Organic coatings				Study of contents.	1.66	3
13	13	Laboratory of coatings				Reading the guide notes for the experimental work and solving the raised questions	1.66	2
14	14	Lesson 16. Thermal spray coatings. Lesson 17. Thin layer deposition techniques				Study of contents.	1.66	3
	15	Lesson 18. Conversion coatings				Study of contents. 8th assesment exercise	1.66	2
Subtotal 1							25	40
Total 1 (Hours of class plus student homework)							65	
15		Tutorials, handing in, etc					1.8	-
16		Assessment					4	4
17								
18								
Subtotal 2							6	4
Total 2 (Hours of class plus student homework)							10	
TOTAL (Maximun 83 horas)							75	