WEEK	SESION	Date	SESION CONTENT
1	1	02/02	Introduction to the subject T1 – Materials and their durability challenges in the industry T2- Aqueous corrosion and factors determining anode locations. Corrosion under thermal isolating materials.
1	2	03/02	T3 – Physical efforts assisted cracking T4 – Degradation of mechanical properties under extreme conditions: fluency
2	3	09/02	T5 – High temperature oxidation
2	4	10/02	T6 Extreme wearing conditions T7 - Tribocorrosion
3	5	16(/02	Group A: Laboratory practices: Aqueous corrosion - part I Group B: Laboratory practices: High temperature corrosion and wear - part I
3	6	17 /02	Group B: Laboratory practices: Aqueous corrosion - part I Group A: Laboratory practices: High temperature corrosion and wear - part I
4	7	23 /02	Group A: Laboratory practices: Aqueous corrosion - part II Group B: Laboratory practices: High temperature corrosion and wear - part II
4	8	24 /02	Group B: Laboratory practices: Aqueous corrosion - part II Group A: Laboratory practices: High temperature corrosion and wear - part II

5	9	02 /03	T 8- H embrittlement T 9 – The challenges of the component joining in the industry T 10 – Methods of protections against corrosion: inhibitors
5	10	03 /03	T 10 – Methods of protections against corrosion: cathodic protection and anodic protection T 11 – Materials performance in the chemical industry
6	11	9 /03	T 12 - Materials performance in the petrol and petrochemical industries
6	12	10/03	T13 – Materials degradation in the thermal plants of power generation
7	13	16/04	T 14 - Materials performance in the paper industry T 15 – Materials performance in the nuclear plants for power generation: effect of irradiation in materials.
7	14	17 /0 4	T 16 – Materials performance in environmentally friendly technologies for power generation. Materials performance in aerospace and aeronautical industries.

Taught by Asun / Taught by Sofía

Final assessment: **23th of March**