

مواد الامتحان التنافسي للدراسات العليا الدكتوراه والماجستير والدبلوم العالي للعام الدراسي
2025-2026 لقسم هندسة الانتاج والمعادن

ماجستير هندسة انتاج	
1	Engineering Plasticity
2	Metal forming
3	Metal cutting
4	Strength of Material
5	CAD/CAM
6	Manufacturing processes
7	Non-conventional Metal cutting
دكتوراه هندسة انتاج	
1	Engineering Plasticity
2	Metal forming
3	Metal cutting
4	Strength of Material
5	CAD/CAM
6	Automation
7	Manufacturing processes
8	Non-conventional Metal cutting
ماجستير هندسة معادن	
1	Steels
2	Mechanicals properties of metals
3	The Heat-treatment of Carbon Steel
4	Copper and its Alloys
5	Aluminum and Its Alloys
6	Metal Casting Processes
7	Welding Processes
8	The Structure of Crystalline Solids
9	Imperfections in Solids
10	Dislocations and Strengthening Mechanisms
دكتوراه هندسة معادن	
1	Metal Casting Processes
2	Welding Processes
3	Brazing, Soldering, and Adhesive Bonding.
4	Diffusion
5	Dislocation Theory
6	Strengthening Mechanisms
7	Fracture
8	Fatigue Of Metals
9	Creep And Stress Rupture
10	Corrosion principle and testing

مواد الامتحان التنافسي للدراسات العليا الدكتوراه والماجستير والدبلوم العالي للعام الدراسي
2025-2026 لقسم هندسة الانتاج والمعادن

ماجستير هندسة التصميم والتصنيع المعان بالحاسوب	
1	Metal forming
2	Metal cutting
3	Strength of Material
4	CAD/CAM
5	Mechatronics
6	Manufacturing processes
7	Computer Vision
ماجستير هندسة الاستخلاص	
1	Principle of Solubility and Solution
2	Solvent Extraction Equilibria
3	Solvent Extraction Kinetics
4	Pyro Metallurgy Process
5	Extraction of Organic Compound
6	Solvent Extraction in Hydrometallurgy
7	The Structure of Crystalline
8	Methods of Extraction
9	Principle of Electrometallurgy
10	Hydrometallurgy
دبلوم لحام	
1	The Physical and Mechanical Properties of Metals and Alloys
2	Fracture Of Metals
3	The Surface Hardening of Steels
4	Welding Processes
5	Brazing, Soldering, And Adhesive Bonding
6	fundamental of Welding