

Materials science and engineering
Disciplinary Minor "Materials science and engineering"
 Person in charge: Dr Béatrice Marselli

Teachers, credits, and semesters are subject to change

Course code	Courses (indicative list)	Teacher(s)	Course book	Credits	Semester
MSE-422	Advanced metallurgy	Leinenbach	MX	3	MA1-3
MSE-326	Ceramic and Colloidal Processing	Testino	MX	3	BA5
MSE-340	Composites polymères + TP	Bourban/Michaud	MX	4	BA5
MSE-440	Composites technology	Bourban/Michaud	MX	3	MA1-3
MSE-311	Corrosion et protection des métaux + TP	Igual Muñoz	MX	3	BA6
MSE-306	Crystalline materials: structures and properties	Stolichnov	MX	5	BA6
MSE-310	Déformation des matériaux	Logé	MX	4	BA5
MSE-424	Fracture of materials	Drezet/Molinari	MX	4	MA2
MSE-423	Fundamentals of solid-state materials	Marzari	MX	4	MA1-3
MSE-352	Introduction à la microscopie + TP	Cantoni/Hessler	MX	5	BA5
MSE-497	Introduction to food science and technology	Hartmann	MX	4	MA1-3
MSE-474	Materials selection	Vaucher/Michler	MX	2	MA2
MSE-203	Milieux continus	Drezet	MX	4	BA3
MSE-477	Nanomaterials (pas donné en 25-26)	Tileli	MX	3	MA1-3
MSE-486	Organic electronic materials	Frauenrath	MX	4	MA2
MSE-238	Structure of materials	Liebi	MX	3	BA4
MSE-360	Polymer science + TP	Görl	MX	5	BA5
MSE-390	Projet Matériaux	Divers	MX	6	BA6
MSE-210	Propriétés fonctionnelles des matériaux	Piazza	MX	2	BA5
MSE-205	Résistance des matériaux	Bourban	MX	3	BA4
MSE-206	Rhéologie et mécanique des fluides	Leterrier	MX	4	BA4
MSE-210	Properties of semiconductors and related nanostructur	Piazza	MX	5	MA2
MSE-425	Soft matter	Amstad/Klok	MX	4	MA1-3
MSE-421	Statistical mechanics	Cerioti	MX	4	MA2
MSE-351	Surface analysis	Igual Muñoz/Stolichnov	MX	3	MA1-3
MSE-304	Surfaces and interfaces	Nakatsuka	MX	3	BA5
MSE-341	Sustainability and materials	Abitbol	MX	3	BA6
MSE-204	Thermodynamics for materials science	Tileli	MX	3	BA3
MSE-433	Toward sustainable materials	Leterrier/Wakeman	MX	4	MA2
MSE-302	Transformations de phase	Cayron	MX	4	BA6
MSE-485	Tribology	Igual Muñoz	MX	2	MA1-3
MSE-466	Wood structures, properties and uses	Pichelin	MX	2	MA2

1 semester includes 14 weeks