

**Grenoble INP - Génie industriel 2020-2021**  
**Courses Program and ECTS \_ FALL SEMESTER 2020**

		hours	ECTS
Français Langue Etrangère : semaine intensive du 31/08/20 au 04/09/20	French Foreign Language : intensive week from 02/09/19 to 06/09/19	20	1,5
Français Langue Etrangère : cours extensifs du 28/09/20	French Foreign Language : extensive session from 28/09/20 to 07/12/20	20	1,5

**Courses on offer for all exchange students**

Fall Semesters (S5, S7-ICL,S7-IDP, S9-ICL, S9-IDP)

S5 - 1st year		hours	ECTS	
<b>S5: September to January</b>	<b>3rd year of Bachelor program</b>			
Automatique - 3GMC0315	<a href="#">Automation and Control - 3GMC0315</a>	41	3	taught in French
Mécanique - 3GMC0325	<a href="#">Mechanics - 3GMC0325</a>	39,5	3	taught in French
Fondements d'économie pour le génie industriel - 3GMC0415	<a href="#">Basic Economics for Industrial Engineering - 3GMC0415</a>	40,5	3	taught in French
Sociologie du travail et des organisations - 3GMC0425	<a href="#">Sociology of Work and Occupation - 3GMC0425</a>	40,5	3	taught in French
Techniques de gestion de projets - 3GMC0525	<a href="#">Project Management Techniques - 3GMC0525</a>	21	1,5	taught in French
Modélisation mathématique et informatique - 3GUC0205	<a href="#">Mathematical and Computer Modeling - 3GUC0205</a>	82	6	taught in French

Filière ICL Ingénierie pour la chaîne logistique/Supply Chain Management		hours	ECTS	
<b>S7 - 2nd year (1st year of Master Program)</b>				
<b>S7: September to January</b>	<b>1st year of Master program</b>			
Modèles à événements discrets - 4GUL0105	<a href="#">Discrete Event Systems - 4GUL0105</a>	60	6	taught in French
Recherche opérationnelle pour la logistique - 4GUL0205	<a href="#">Operations Research and Production Planning - 4GUL0205</a>	66	6	taught in French
Contrôle de gestion - 4GMC0005	<a href="#">Management Accounting and Control - 4GMC0005</a>	19,5	1,5	taught in French
Economie des organisations et des marchés - 4GML0325	<a href="#">Management Accounting and Control - 4GMC0005</a>	19,5	1,5	taught in French
Gestion des ressources humaines - 4GML0335	<a href="#">Human Resources Management - 4GML0335</a>	22	1,5	taught in French
Sociologie des organisations - 4GML0345	<a href="#">Human Resources Management - 4GML0335</a>	23	1,5	taught in French
Management des systèmes d'information - 4GML0415	<a href="#">Information Systems Management - 4GML0415</a>	37	3	taught in French
Qualité - 4GML0425	<a href="#">Quality - 4GML0425</a>	36	3	taught in French
Analyse marketing - 4GMC0515	<a href="#">Market Research, Functional Analysis - 4GMC0515</a>	16,5	1,5	taught in French
Projet d'innovation produit-service - 4GML0525	<a href="#">Design Thinking Project - 4GML0525</a>	43,5	1,5	taught in French
English for Industrial Engineering - 4GMC0615	<a href="#">English for Industrial Engineering - Semester 3 - 4GMC0615</a>	24	1	taught in English

Filière IDP Ingénierie de produit / Product Design		hours	ECTS	
<b>S7 - 2nd year (1st year of Master Program)</b>				
<b>S7: September to January</b>	<b>1st year of Master program</b>			
UE Calcul de structures - 4GUP0105	<a href="#">Analysis of Mechanical Structures - 4GUP0105</a>	64,5	6	taught in French
UE Représentations de produits - 4GUP0305	<a href="#">Product Representations - 4GUP0305</a>	107	6	taught in French
UE Techniques de bureau d'études - 4GUP0405	<a href="#">Design Techniques and Components - 4GUP0405</a>	62	6	taught in French

**Courses on offer for Master's students (Bachelor's degree completed)**

S9 - 3rd year (2nd year of Master Program)		hours	ECTS	
<b>S9: September 2019 to January 2020</b>	<b>2nd year of Master program</b>			
Droit des affaires - 5GMC0112	<a href="#">Business Law - 5GMC0112</a>	22	1,5	taught in French
Entreprise et société : enjeux éthiques et politiques - 5GMC0124	<a href="#">Firms and Society - 5GMC0124</a>	25,5	1,5	taught in French
<b>S9 - Filière ICL Ingénierie pour la Chaîne Logistique / Supply Chain Management</b>				taught in French
UE Advanced Economics for Industrial Engineering - 5GUC0504	<a href="#">Advanced Economics for Industrial Engineering - 5GUC0504</a>	54	6	closed in 2019-20
UE Chaîne Numérique pour l'industrie 4.0 incluant réalités virtuelles et augmentées	<a href="#">Digital chain for Industry 4.0 including virtual and augmented reality</a>	52	6	taught in English
UE Lean Six Sigma - 5GUC1304	<a href="#">Lean Six Sigma - 5GUC1304</a>	54	6	taught in French
UE Management stratégique de la chaîne logistique - 5GUC1804	<a href="#">Strategic Management of the Supply Chain - 5GUC1804</a>	54	6	closed in 2019-20
UE Méthodes avancées en Programmation linéaire et Applications - 5GUC3419	<a href="#">Methods in Tactical and Operational Supply Chain Management - 5GUC2004</a>	54	6	taught in French
UE Methods in Tactical and Operational Supply Chain Management - 5GUC2004	<a href="#">Methods in Tactical and Operational Supply Chain Management - 5GUC2004</a>	54	6	taught in English
UE Sustainable Manufacturing - 5GUC3207	<a href="#">Sustainable Manufacturing - 5GUC3207</a>	54	6	taught in English
UE Systèmes d'information industriels - 5GUC2804	<a href="#">Industrial Information Systems - 5GUC2804</a>	54	6	taught in French
UE Gestion des flux et décision multicritère - WGUGESF4	<a href="#">Flow Management and Multicriteria Decision - WGUGESF4</a>	54	6	taught in French
UE Management des achats - 5GUC1604	<a href="#">Purchasing Management - 5GUC1604</a>	54	6	taught in French
UE Logistique de transport et recherche opérationnelle - WGULOGI9	<a href="#">Transport Logistics and Operations Research - WGULOGI9</a>	54	6	taught in French
<b>S9 - Filière IDP Ingénierie de Produit / Product Design</b>				
UE Conception intégrée : méthodes et outils - 5GUC0604	<a href="#">Integrated Design : Tools and Methods - 5GUC0604</a>	54	6	taught in French
UE Fabrication avancée - 5GUC0804	<a href="#">Advanced Manufacturing - 5GUC0804</a>	54	6	taught in French
UE Industrialisation des produits - 5GUC1104	<a href="#">Product Industrialization : from Design to Manufacturing - 5GUC1104</a>	54	6	taught in French
UE Simulation avancée de produits - 5GUC2504	<a href="#">Advanced Product Simulation Techniques - 5GUC2504</a>	54	6	taught in French
UE Fabrication additive - 5GUC3005	<a href="#">Additive manufacturing technologies - 5GUC3005</a>	54	6	taught in French
UE Knowledge Integration and Collaboration in Design - WGUKNOW9	<a href="#">Knowledge Integration and Collaboration in Design - WGUKNOW9</a>	54	6	taught in English
UE Modelling and Optimization in Product Development - WGUMODE9	<a href="#">Modelling and Optimization in Product Development - WGUMODE9</a>	54	6	taught in English
<b>S9 - Cours communs / Elective courses</b>				
UE Foresight and Strategy - WGU2STR7	<a href="#">UE Foresight and Strategy - WGU2STR7</a>	54	6	taught in English
UE iDesigner : Tackling Complexity by Integration - 5GUC0904	<a href="#">iDesigner : Tackling Complexity by Integration - 5GUC0904</a>	30	6	taught in English
UE Internationalisation des firmes - 5GUC1204	<a href="#">The Global Firm - 5GUC1204</a>	54	6	taught in French
UE Management de l'innovation - 5GUC1504	<a href="#">Innovation Management - 5GUC1504</a>	54	6	taught in French
UE Management des projets internationaux - 5GUC1704	<a href="#">International Project Management - 5GUC1704</a>	54	6	taught in French
UE Marketing d'affaires - 5GUC1904	<a href="#">Business Marketing - 5GUC1904</a>	54	6	taught in French
UE Research Design in Industrial Engineering - WGURESE4	<a href="#">Research Design in Industrial Engineering - WGURESE4</a>	30	6	taught in French

NB : We advise students to make their study plan as flexible as possible, because we cannot guarantee that students will be able to take all the courses they wish. The final situation with the courses will be found out upon arrival after you are able to sign up to the courses.

**NB : Some courses can be not open for exchange students  
Pay attention to timetable conflicts if you want to follow courses in different semesters**