

Grenoble INP - Génie industriel 2019-2020
Courses Program and ECTS _ FALL SEMESTER 2019

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

Courses on offer for all exchange students

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

S5 - 1st year

S5: September 2019 to January 2020	3rd year of Bachelor program	hours	ECTS	
Automatique - 3GMC0315	Automation and Control - 3GMC0315	41	3	taught in French
Mécanique - 3GMC0325	Mechanics - 3GMC0325	39,5	3	taught in French
Fondements d'économie pour le génie industriel - 3GMC0415	Basic Economics for Industrial Engineering - 3GMC0415	40,5	3	taught in French
Sociologie du travail et des organisations - 3GMC0425	Sociology of Work and Occupation - 3GMC0425	40,5	3	taught in French
Techniques de gestion de projets - 3GMC0525	Project Management Techniques - 3GMC0525	21	1.5	taught in French
Modélisation mathématique et informatique - 3GUC0205	Mathematical and Computer Modeling - 3GUC0205	82	6	taught in French

Filière ICL Ingénierie pour la chaîne logistique/Supply Chain Management
S7 - 2nd year (1st year of Master Program)

S7: September 2019 to January 2020	1st year of Master program	hours	ECTS	
Modèles à événements discrets - 4GUL0105	Discrete Event Systems - 4GUL0105	60	6	taught in French
Recherche opérationnelle pour la logistique - 4GUL0205	Operations Research and Production Planning - 4GUL0205	63	6	taught in French
Contrôle de gestion - 4GMC0005	Management Accounting and Control - 4GMC0005	19,5	1.5	taught in French
Economie des organisations et des marchés - 4GML0325	Management Accounting and Control - 4GMC0005	19,5	1.5	taught in French
Gestion des ressources humaines - 4GML0335	Human Resources Management - 4GML0335	22	1.5	taught in French
Sociologie des organisations - 4GML0345	Human Resources Management - 4GML0335	23	1.5	taught in French
Management des systèmes d'information - 4GML0415	Information Systems Management - 4GML0415	37	3	taught in French
Qualité - 4GML0425	Quality - 4GML0425	36	3	taught in French
Analyse marketing - 4GMC0515	Market Research, Functional Analysis - 4GMC0515	16,5	1.5	taught in French
Projet d'innovation produit-service - 4GML0525	Design Thinking Project - 4GML0525	43,5	1.5	taught in French
English for Industrial Engineering- 4GMC0615	English for Industrial Engineering - Semester 3 - 4GMC0615	24	1	taught in English

Filière IDP Ingénierie de produit / Product Design
S7 - 2nd year (1st year of Master Program)

S7: September 2019 to January 2020	1st year of Master program	hours	ECTS	
UE Calcul de structures - 4GUP0105	Analysis of Mechanical Structures - 4GUP0105	64,5	6	taught in French
UE Représentations de produits - 4GUP0305	Product Representations - 4GUP0305	107	6	taught in French
UE Techniques de bureau d'études - 4GUP0405	Design Techniques and Components - 4GUP0405	62	6	taught in French

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

S9 - 3rd year (2nd year of Master Program)

S9: September 2019 to January 2020	2nd year of Master program	hours	ECTS	
Droit des affaires - 5GMC0112	Business Law - 5GMC0112	22	1.5	taught in French
Entreprise et société : enjeux éthiques et politiques - 5GMC0124	Firms and Society - 5GMC0124	25,5	1.5	taught in French
S9 - Filière ICL Ingénierie pour la Chaîne Logistique / Supply Chain Management				taught in French
UE Advanced Economics for Industrial Engineering - 5GUC0504	Advanced Economics for Industrial Engineering - 5GUC0504	54	6	taught in English
UE Lean Six Sigma - 5GUC1304	Lean Six Sigma - 5GUC1304	54	6	taught in French
UE Management stratégique de la chaîne logistique - 5GUC1804	Strategic Management of the Supply Chain - 5GUC1804	54	6	taught in French
UE Methods in Tactical and Operational Supply Chain Management - 5GUC3207	Methods in Tactical and Operational Supply Chain Management - 5GUC3207	54	6	taught in English
UE Sustainable Manufacturing - 5GUC3207	Sustainable Manufacturing - 5GUC3207	54	6	taught in English
UE Systèmes d'information industriels - 5GUC2804	Industrial Information Systems - 5GUC2804	54	6	taught in French
UE Gestion des flux et décision multicritère - WGUGESF4	Flow Management and Multicriteria Decision - WGUGESF4	54	6	taught in French
EU Management des achats - 5GUC1604	Purchasing Management - 5GUC1604	54	6	taught in French
UE Logistique de transport et recherche opérationnelle - WGULOGI9	Transport Logistics and Operations Research - WGULOGI9	54	6	taught in French

S9 - Filière IdP Ingénierie de Produit / Product Design				
UE Conception intégrée : méthodes et outils - 5GUC0604	Integrated Design : Tools and Methods - 5GUC0604	54	6	taught in French
UE Fabrication avancée - 5GUC0804	Advanced Manufacturing - 5GUC0804	54	6	taught in French
UE Industrialisation des produits - 5GUC1104	Product Industrialization : from Design to Manufacturing - 5GUC1104	54	6	taught in French
UE Simulation avancée de produits - 5GUC2504	Advanced Product Simulation Techniques - 5GUC2504	54	6	taught in French
UE Fabrication additive - 5GUC3005	Additive manufacturing technologies - 5GUC3005	54	6	taught in French
UE Knowledge Integration and Collaboration in Design - WGUKNOW9	Knowledge Integration and Collaboration in Design - WGUKNOW9	54	6	taught in English
UE Modelling and Optimization in Product Development - WGUMODE9	Modelling and Optimization in Product Development - WGUMODE9	54	6	taught in English
S9 - Cours à choix / Elective courses				
UE Foresight and Strategy - WGU2STR7	UE Foresight and Strategy - WGU2STR7	54	6	taught in English
UE iDesigner : Tackling Complexity by Integration - 5GUC0904	iDesigner : Tackling Complexity by Integration - 5GUC0904	30	6	taught in English
UE Internationalisation des firmes - 5GUC1204	The Global Firm - 5GUC1204	54	6	taught in French
UE Management de l'innovation - 5GUC1504	Innovation Management - 5GUC1504	54	6	taught in French
UE Management des projets internationaux - 5GUC1704	International Project Management - 5GUC1704	54	6	taught in French
UE Marketing d'affaires - 5GUC1904	Business Marketing - 5GUC1904	54	6	taught in French
UE Research Design in Industrial Engineering - WGURESE4	Research Design in Industrial Engineering - WGURESE4	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**