



**EQUIS**  
ACCREDITED



## Subject-related courses offered by the Department of Industrial Management (by field of specialization)

**N.B.:** Not all the courses are currently offered in English, the English course titles are for reference only.

Production Management	IM5209	Research Methods in Management
	IM5300	Advanced Production Management
	IM5311	Sustainable Management for the Enterprises
	IM5401	Special Topics on Production Management
	IM5402	Experimental Design
	IM5407	Advanced Materials Management
	IM5410	Lean Production and Management
	IM5411	Process Capability Analysis
	IM5412	Six Sigma
	IM5605	System Simulation
	IM5711	Service Management
	IM5801	Semi-Conductor Manufacturing & Management
	IM5802	Supply Chain Management
	IM5804	Business Logistics and Supply Chain Optimization
	IM5805	Smart Manufacturing Practice
	IM5806	Intelligent Operations and Management
	IM5807	Intelligent Manufacturing Technology and Applications in Semiconductor Manufacturing
	IM5901	Business Process Re-engineering
	IM5903	Enterprise Resources Planning
	IM5906	Technology & Law
	IM5907	Patent Portfolio
	IM5908	Technology Transfer and Licensing
	IM6109	Quality Engineering
	IM6200	Total Quality Management
	IM6210	Enterprise Modeling and Analysis
	IM6302	Logistics Distribution Management
	IM6307	Production Management System
	IM6406	Quality Control System
	IM6407	Scheduling Theory



Production Management	IM6410	Production System Design
	IM6516	Performance Assessment
	IM6517	Machine Learning
	IM6603	Business Forecasting
	IM6613	Project Management
	IM7005	Inventory Management Systems with Applications
	IM7402	Inventory Theory
	IM7800	Manufacturing Strategy
	IM9002	Global Logistics Management
	IM9003	Concepts and Methods in Quality Control

Operation Research	IM5100	Linear Models
	IM5101	Linear Programming
	IM5102	Nonlinear Programming
	IM5108	Quantitative Analysis for Business Decisions
	IM5109	Soft Computing
	IM5110	Metaheuristics
	IM5402	Experimental Design
	IM5507	Decision Support System
	IM5508	Decision Analysis
	IM5605	System Simulation
	IM5609	Numerical Computations
	IM5706	Management Decision Making
	IM5804	Business Logistics and Supply Chain Optimization
	IM6101	Mathematical Programming
	IM6102	Queuing Theory
	IM6104	Regression Analysis
	IM6106	Markov Decision Processes
	IM6107	Multivariate Analysis
	IM6108	Network Analysis
	IM6110	Time Series Analysis and Forecasting
	IM6306	Reliability Engineering
	IM6311	Network Reliability
	IM6407	Scheduling Theory



	IM6409	Reliability Analysis
	IM6513	Combinatorial Optimization
	IM6514	Optimization Models and Applications
	IM6705	Graph Theory
	IM7003	Fuzzy Mathematics
	IM7101	Dynamic Programming
	IM7102	Stochastic Processes
	IM7103	Applied Probability Models
	IM7104	Stochastic Modeling

Human Factor	IM5113	Usability Analysis
	IM5402	Experimental Design
	IM5701	Biomechanics
	IM5710	Industrial Hygiene
	IM5712	Industrial Safety
	IM5713	Human Decision Models and Applications
	IM6205	Organizational Ergonomics
	IM6408	Man-Machine System Application
	IM6602	Products Design and Development
	IM6614	Risk Management and System Safety
	IM6809	Ergonomics in Design
	IM7301	Psychological Foundations in Human Factor Engineering
	IM7303	Physiological Foundations in Human Factors
	IM7309	Applied Ergonomics

Information Technology	IM5110	Metaheuristics
	IM5112	Artificial Intelligence Technologies and Business Applications
	IM5211	Big Data Analytics and Applications
	IM5212	Computer Programming
	IM5213	Data Science
	IM5500	Software Engineering
	IM5501	System Analysis
	IM5502	Special Topics on Production MIS



## Information Technology

IM5507	Decision Support System
IM5605	System Simulation
IM5609	Numerical Computations
IM5803	Data Mining Applications
IM5805	Smart Manufacturing Practice
IM5806	Intelligent Operations and Management
IM5902	Electronic Business Management
IM6210	Enterprise Modeling and Analysis
IM6211	Information Technology and Management
IM6212	Knowledge Management
IM6308	Manufacturing Information Processing
IM6310	Intelligent Manufacturing System
IM6313	Theory and Practice of Blockchain
IM6411	System Dynamics
IM6506	Computer Aided Design
IM6507	Artificial Intelligence
IM6511	Artificial Neural Networks
IM6512	Pattern Recognition
IM6517	Machine Learning
IM6602	Products Design and Development
IM6603	Business Forecasting

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