

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	
IME200 Advanced Production Management	
IM5300 Advanced Production Management	
IM5311 Sustainable Management for the Enterprise	S
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 & Manageme	nt
IM5802 Supply Chain Management	
IM5804 Business Logistics and Supply Chain Optimiza	tion
IM5805 Smart Manufacturing Practice	
IM5806 Intelligent Operations and Management	
Intelligent Manufacturing Technology and Applica	tions 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	





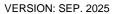


Production Management

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





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	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

Usability Analysis
Experimental Design
Biomechanics
Industrial Hygiene
Industrial Safety
Human Decision Models and Applications
Organizational Ergonomics
Man-Machine System Application
Products Design and Development
Risk Management and System Safety
Ergonomics in Design
Psychological Foundations in Human Factor Engineering
Physiological Foundations in Human Factors
Applied Ergonomics

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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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