**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.

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| 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 |
| 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 |
| 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 |

Production Management

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| 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 |
| IM6407Operation Research  | 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 |

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| 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 |

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| 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 |
| IM5507Information Technology  Technology  | 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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