Department of Industrial Engineering

Industrial engineering aims to foster professionals able to maximize the productivity and efficiency of systems through the scientific design, operation, and improvement of systems comprising humans, goods, equipment and information from all sectors of society and based on the knowledge of engineering and management science-based thinking. It is an academic area which looks into ways we can control and direct the various fields comprising industrial systems. Industrial engineering could be personified as the field commander leading his troop or 'industry' to victory in battle, the editor who revises the articles of many his reporters at the 'industry' daily newspaper, the baseball coach who puts his players wearing the uniform of the 'industry' team in the right fielding positions and batting order, or as the conductor of the 'industry' orchestra.
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Information

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Professor Introduction

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Curriculum

Course code	Course Title	Credit
556.501	Industrial Simulation	3-3-0
556.503	Advanced Network Programming	3-3-0
556.504	Material Handling System	3-3-0
556.505	Mathematical Statistics	3-3-0
556.506	Human Functions	3-3-0
556.507	Industrial Economics	3-3-0
556.508	Advanced Production Control	3-3-0
556.601	Special Topics in Management Information System	3-3-0
556.603	Advanced Operation Research	3-3-0
556.604	Advanced Logistics Management System	3-3-0
556.605	Multi-objective Decision Theory	3-3-0
556.606	Advanced Operations Management	3-3-0
556.607	Work Physiology	3-3-0
556.608	Computer System for Operations Management	3-3-0
556.610	Design of Production System	3-3-0
556.611	Nonlinear Programming	3-3-0
556.612	Combinatorial Optimization	3-3-0
556.613	Mathematical Programming	3-3-0
556.614	Kinesiology	3-3-0

556.615	Applied Algorithmic Optimization	3-3-0
556.616	Facility Planning & Design	3-3-0
556.617	Manufacturing System Modeling & Analysis	3-3-0
556.618	Factory Automation System Design	3-3-0
556.619	Operation Scheduling	3-3-0
556.620	Simulation Optimization	3-3-0
556.621	Advanced Statistical Quality Control	3-3-0
556.622	Stochastic Process	3-3-0
556.623	Experimental Design Application	3-3-0
556.624	Facility Maintenance & Control	3-3-0
556.625	GIS Application Techniques	3-3-0
556.626	Application in Commerce at Light Speed	3-3-0
556.627	Industrial Information Technology	3-3-0
556.628	Advanced Engineering Economics	3-3-0
556.630	Topics in Systems Engineering	3-3-0
556.631	Venture Technology & Business	3-3-0
556.632	Topics in Industrial Engineering I	3-3-0
556.633	Topics in Industrial Engineering II	3-3-0
556.634	Research and Survey Methodology	3-3-0
556.635	Advanced Data Mining	3-3-0
556.636	Topics in Project Management	3-3-0
556.637	Introduction to Bioinformatics	3-3-0
556.638	Special Topics in CAD/CAM	3-3-0
556.639	Service Engineering	
556.640	RnD Planning & Control and Patent Strategy	