I-Shou University

PhD in Industrial Management Curriculum Flow Chart (2013-14)

PLEASE SEE THE DEPARTMENT OFFICE (ADMINISTRATION BLDG., RM. 1612-1) IF YOU NEED ASSISTANCE OR CALL (+886-7-6577711 EXT. 5502)

Education Goals

Possess academic expertise
Solve problems
Possess global industrial development analytical skills
Do research and development innovatively
Create knowledge
Possess professional IT and software application skills

Required Courses: 8 credits

Elective Courses: 27 credits

Oral Defense: 0 credits

Remarks

◎In addition to fulfilling the minimum credit requirements within the course of study, students are also required to satisfy with the "Guidelines on Pursuit of Doctoral Degree" before they graduate.
◎Elective Courses: Operations Management/ Decision Management/ Human-centered Management

Freshman Semester 1	Freshman Semester 2	Sophomore Semester 3	Sophomore Semester 4
Seminar I (1)	Seminar II (1)	Seminar III (1)	Seminar IV (1)
Thesis I (1)	Thesis II (1)	Thesis III (1)	Thesis IV (1)
			Thesis – Oral Defense (0)
		Seminar in Human and Systems I (2)	
		Seminar in Human and Systems II (2)	
Operations Management (3)	Advanced Quality Control (3)		
International Quality and Environmental Management (3)	Fuzzy Set Theory Applications and Practice (3)		
Metrology and Quality (3)	Knowledge Management (3)		
Mathematical Programming (3)	Customer Relationship Management (3)		
Research Methodology (3)	Innovation and Research Management (3)		
System Simulation (3)	Total Quality Management (3)		
Decision Support System (3)	Computer Integrated Manufacturing (3)		
Advanced Human Resource Management (3)	Integer Programming (3)		
Organizational Theory and Management (3)	Semi-Conductor Manufacturing Management (3)		
Technology Management (3)	Leadership (3)		
Advanced Statistics (3)	Heuristic Algorithms(3)		
Scheduling and Inventory Management (3)	The Operational Models of Electronic Enterprise (3)		
Logistics Management (3)	Advanced Statistics (3)		
System Analysis and Design (3)	Neural Network (3)		
Management Information System (3)	Six Sigma (3)		
Strategic Management (3)	Project Management (3)		
Experimental Design (3)	Logistics and Physical Distribution Management(3)		
Reliability Engineering (3)	Enterprise Resource Planning(3)		
Production Economics Analysis (3)	Process Management (3)		
Data Envelopment Analysis (DEA) (3)	Decision Analysis (3)		
Fuzzy Set Theory (3)	Design and Analysis of Supply Chains (3)		
Electronic Commerce (3)	Advanced Operations Research (3)		
	Quality Management in Service Industry (3)		
	Gray Theory (3)		
	Machine Vision (3)		
	Multivariate Analysis (3)		

Total Required Credits : 35