

I-SHOU UNIVERSITY

Department of Industrial Management

Curriculum for Doctoral Students Admitted in Academic Year 2024

Made in 2024/04/01

*** Credits required for graduation from the Program: 35, including:**

- I. Required professional courses: 11 credits
 - II. Elective professional courses: 24 credits (Elective courses “Independent Study” will not be included.)
 - III. Dissertation: required courses without credits (capstone courses)
- Note: Students are required to meet the requirements set by the Program in addition to earning the required number of credits to be eligible for graduation.

First Year (2024)

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	Course Title	1 st Semester	2 nd Semester	Required / Elective	Course Code
Required Professional Courses	Book Discussion (1)	1		Required	D20501
	Thesis Guidance (1)	1		Required	D20605
	Book Discussion (2)		1	Required	D20502
	Thesis Guidance (2)		1	Required	D20606
	Advanced Statistics		3	Required	D20620
Elective Professional Courses	Job Management	3		Elective	D20593
	Logistics Management	3		Elective	D20534
	Scheduling and Inventory Management	3		Elective	D20564
	Mathematical Programming	3		Elective	D20535
	Organization Theory and Management	3		Elective	D20539
	Research Methodology	3		Elective	D20552
	Advanced Human Resource Management	3		Elective	D20677
	Technology Management	3		Elective	D20540
	Policy Management	3		Elective	D20550
	Reliability Engineering	3		Elective	D20642
	Production Economic Analysis	3		Elective	D20643
	System Simulation	3		Elective	D20546
	System Analysis and Design count	3		Elective	D20571
	Experimental Design	3		Elective	D20637
	Fuzzy Theory	3		Elective	D20569
Data Envelopment Analysis	3		Elective	D20687	

	Course Title	1 st Semester	2 nd Semester	Required / Elective	Course Code
Elective Professional Courses	Application and Practice of Fuzzy Theory		3	Required	D20661
	knowledge management		3	Required	D20652
	heuristic algorithm		3	Required	D20679
	Research Ethics		3	Required	D20641
	Total Quality Management		3	Required	D20667
	Integer programming		3	Required	D20668
	Innovation and R&D Management		3	Required	D20638
	Logistics and storage management		3	Required	D20545
	Process and Change Management		3	Required	D20572
	Customer relationship management		3	Required	D20651
	Gray theory		3	Required	D20671
	Enterprise Resource Planning		3	Required	D20672
	Leadership		3	Required	D20549
	Service industry quality management		3	Required	D20640
	Multivariate analysis		3	Required	D20586
	Advanced homework research		3	Required	D20587
	Computer integrated manufacturing		3	Required	D20531
	Semiconductor Process Management		3	Required	D20541
Advanced Quality Management		3	Required	D20542	
Supply Chain Design and Analysis		3	Required	D20566	
Neural network		3	Required	D20547	

International Quality and Environmental Management	3		Elective	D20633
Confidential Measurement and Quality	3		Elective	D20663
E-commerce	3		Elective	D20562
Management Information System	3		Elective	D20636
Decision Support System	3		Elective	D20645
Homework Research	3		Elective	D20557
Project Management	3		Elective	D20551
Six sigma		3	Elective	D20574
Machine vision		3	Elective	D20670
Strategic analysis		3	Elective	D20581

Blockchain and Smart Contracts	3		Required	D20766
E-commerce	3		Required	D20773
Industry 4.0	3		Required	D20789
Nternet marketing		3	Required	D20790
Metaverse Business Model Theory	3		Required	D20754
Special Discussion on the Sustainable Management of Enterprises	3		Required	D20755
English essay writing practice	3		Required	D20757
English Oral Presentation Practice	3		Required	D20756

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Total Required Credits for this Academic Year				7
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Second Year (2025)

	Course Title	1 st Semester	2 nd Semester	Required / Elective	Course Code
Required	Book Discussion (3)	1		Required	D20601
	Thesis Guidance (3)	1		Required	D20607
	Book Discussion (4)		1	Required	D20602
	Thesis Guidance (4)		1	Required	D20608
	Doctor papers		0	Required	D20D00
	Academic research ethics		0	Required	D20D02
Elective	Special Topics on Human-based Systems (1)	3		Elective	D20685
	Special Topics On Human-based Systems (2)		3	Elective	D20686
Total Required Credits for this Academic Year					4

Tirth Year (2026)

	Course Title	1 st Semester	2 nd Semester	Required / Elective	Course Code
Elective Professional Courses	Thesis Guidance (5)	1		Elective	D20609
	Thesis Guidance (6)		1	Elective	D20609
Total Required Credits for this Academic Year					0

Fourth Year (2027)

	Course Title	1 st Semester	2 nd Semester	Required / Elective	Remark
Elective	Thesis Guidance (7)	1		Elective	D20612
	Thesis Guidance (8)		1	Elective	D20613
Total Required Credits for this Academic Year					0

Fifth Year (2028)

	Course Title	1 st Semester	2 nd Semester	Required / Elective	Course Code
Elective	Thesis Guidance (9)	1		Elective	D20614
	Thesis Guidance (10)		1	Elective	D20615
Total Required Credits for this Academic Year					0

Sixth Year (2029)

	Course Title	1 st Semester	2 nd Semester	Required / Elective	Remark
Elective	Thesis Guidance (11)	1		Elective	D20616
	Thesis Guidance (12)		1	Elective	D20617
Total Required Credits for this Academic Year					0

Seventh Year (2030)

	Course Title	1 st Semester	2 nd Semester	Required / Elective	Course Code
Elective	Thesis Guidance (13)	1		Elective	D20618
	Thesis Guidance (14)		1	Elective	D20619
Total Required Credits for this Academic Year					0

