I-SHOU UNIVERSITY
Department of Industrial Management
Curriculum for Doctoral Students Admitted in Academic Year 2023

Made in 2023/04/21

＊**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 (2023)

	Course Title	1st Semester	2nd 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
	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

	Course Title	1st Semester	2nd 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		33	Required	D20671

(Official Seal of the Program)

I-SHOU UNIVERSITY
Department of Industrial Management
Curriculum for Doctoral Students Admitted in Academic Year 2023

Made in 2023/04/21

Course	Credit		Type	Code	Course	Credit		Type	Code
Advanced Human Resource Management	**3**		Elective	D20677	Enterprise Resource Planning			Required	D20672
Technology Management	3		Elective	D20540	Leadership		3	Required	D20549
Policy Management	3		Elective	D20550	Service industry quality management		3	Required	D20640
Reliability Engineering	3		Elective	D20642	Multivariate analysis		3	Required	D20586
Production Economic Analysis	3		Elective	D20643	Advanced homework research		3	Required	D20587
System Simulation	**3**		Elective	D20546	Computer integrated manufacturing		3	Required	D20531
System Analysis and Design count	3		Elective	D20571	Semiconductor Process Management		3	Required	D20541
Experimental Design	**3**		Elective	D20637	Advanced Quality Management		3	Required	D20542
Fuzzy Theory	**3**		**Elective**	D20569	Supply Chain Design and Analysis		3	Required	D20566
Data Envelopment Analysis	**3**		**Elective**	D20687	Neural network		3	Required	D20547
International Quality and Environmental Management	**3**		**Elective**	D20633	Blockchain and Smart Contracts		3	Required	D20766
Confidential Measurement and Quality	**3**		**Elective**	D20663	E-commerce		3	Required	D20773
E-commerce	**3**		**Elective**	D20562	Industry 4.0		3	Required	D20789

2

(Official Seal of the Program)

I-SHOU UNIVERSITY
Department of Industrial Management
Curriculum for Doctoral Students Admitted in Academic Year 2023

Course Title	Credit		Required / Elective	Course Code
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			D20581
Total Required Credits for this Academic Year				

Course Title		Credit	Required / Elective	Course Code
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
Total Required Credits for this Academic Year				

Second Year (2024)

	Course Title	1st Semester	2nd Semester	Required / Elective	Course Code
Required Professional Courses	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

Tirth Year (2025)

	Course Title	1st Semester	2nd Semester	Required / Elective	Course Code
Elective Professional Courses	Thesis Guidance (5)	1		Elective	D20609
	Thesis Guidance (6)		1	Elective	D20609

(Official Seal of the Program)

I-SHOU UNIVERSITY
Department of Industrial Management
Curriculum for Doctoral Students Admitted in Academic Year 2023

Made in 2023/04/21

	Course Title	1st Semester	2nd Semester	Required / Elective	Course Code
Elective Professional Courses	Academic research ethics	**0**		Required	D20D02
	Special Topics on Human-based Systems (1)	**3**			D20685
	Special Topics On Human-based Systems (2)		**3**		D20686
Total Required Credits for this Academic Year					**4**

Total Required Credits for this Academic Year					**0**

Fourth Year (2026)

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

Fifth Year (2027)

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

Sixth Year (2028)

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

Seventh Year (2029)

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

(Official Seal of the Program)