

LIST OF OFFERED COURSES
SECOND SEMESTER OF ACADEMIC YEAR 2023/2024
INTERNATIONAL INDUSTRIAL ENGINEERING PROGRAM FTI UAJY

No.	Code	Subject	Credits	Smtr	Class capacity	Lecturer(s)
1	TIND01103	Matemathics 1	3	1	0	
2	TIND02103	Basic Physics	3		0	
3	TIND03101	Basic Physics Lab Work	1		0	
4	TIND04103	Chemistry	3		0	
5	MKUN01002	Religion	2		0	
6	TIND05102	Engineering Materials	2		0	
7	TIND06102	Engineering Drawing	2		0	
8	TIND07102	Introduction to Industrial Engineering	2		0	
1	TIND08203	Mathematics 2	3	2	20	IMK+RMD
2	TIND09203	Electricity and Magnetism	3		20	FEW
3	TIND10201	Electricity and Magnetism Lab Work	1		15	REGULAR CLASS MMC (A)
4	TIND11203	Biology	3		20	Monika Ruwaimana, S.Si., M.Sc, Ph.D.
5	MKUN05002	Digital Society	2		20	REGULAR CLASS-TYR (C)
6	TIND12202	Engineering and Design	2		20	AA
7	TIND13202	Engineering Mechanics	2		20	BK+AA
8	TIND14202	Basic Programming	2		20	BB
1	TIND15303	Linear Algebra	3	3	0	
2	TIND16303	Introduction to Probability	3		0	
3	TIND17301	Ergonomics Lab Work	1		0	
4	TIND18303	Ergonomics and Industrial Psychology	3		0	
5	MKUN02002	Pancasila	2		0	
6	TIND19302	Mechatronics	2		0	
7	TIND20302	Manufacturing Process and Cost	2		0	
8	TIND21302	Applied Programming	2		0	
1	TIND22403	Optimization Mathematics	3		20	DRY+RMD
2	TIND23402	Production System	2		20	LIP+LAK
3	TIND24402	Data Visualization	2		20	AA+TYR
4	TIND25401	Work System Analysis and Design Lab Work	1		20	REGULER CLASS-RTD B

No.	Code	Subject	Credits	Smtr	Class capacity	Lecturer(s)
5	TIND26402	Work System Analysis and Design	2	4	20	TYR & CDK
6	TIND27402	Business Processes and Information System	2		20	LH
7	TIND28403	Inferential Statistics	3		20	ISP
8	TIND29401	Industrial Automation Lab Work	1		20	REGULER CLASS-BBN (C)
9	TIND30402	Industrial Automation	2		20	AKP
1	TIND31503	Operational Research 1	3	5	0	
2	TIND32502	Production Planning and Control System	2		0	
3	TIND33501	Production Planning and Control System Lab Work	1		0	
4	TIND34503	Integrated System Design 1	3		0	
5	TIND35502	<i>Enterprise Resource Planning</i>	2		0	
6	TIND36503	Quality Control	3		0	
7	TIND37502	Financial Analysis	2		0	
8	TIND38503	Manufacturing Facility Planning	3		0	
1	TIND39602	System Modeling	2	6	20	RDA+SSW
2	TIND40603	Operational Research 2	3		20	FHP
3	TIND41602	Industrial Environmental System	2		20	YD
4	TIND42602	Integrated System Design 2	2		20	REGULER CLASS-LAK (A)
5	TIND43601	Professional Learning 1	1		0	
6	MKUN04002	Bahasa Indonesia	2		20	REGULER CLASS-BTS (C)
7	TIND44602	English for Specific Purpose	2		20	LBP
8	TIND45602	Supply Chain Management	2		20	PKD
9	TIND46602	Occupational Health and Safety Engineering	2		20	BK
1	TIND47703	Industrial Simulation	3	7	0	
2	TIND48702	Critical Thinking and Final Project Proposal	2		0	
3	MKUN03002	Civics	2		0	
4	MKUN07002	Community Service	2		20	LPPM
5	MKUN06002	Entrepreneurship	2		0	HS+HND (A) Kolaborasi
6	TINDXX603/TINDXX703	Elective Course 1	3		0	
7	TINDXX603/TINDXX703	Elective Course 2	3		0	
1	TIND49803	Industrial Practice	3		20	IE LECTURER
2	TIND50803	Professional Learning 2	3		20	REGULER CLASS

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3	TIND51803	Professional Learning 3	3	8	20	REGULER CLASS
4	TIND52802	Professional Learning 4	2		20	REGULER CLASS
5	TIND53802	Professional Learning 5	2		20	REGULER CLASS
6	TIND54805	Final Project	5		20	IE LECTURER
1	TIND55603	CAD/CAM	3	ELECTIVE COURSES	0	REGULER CLASS
2	TIND56603	Artistic Design	3		0	REGULER CLASS
3	TIND57703	Mold and Dies Design	3		0	
4	TIND58703	Rapid Prototyping	3		0	
5	TIND59603	Ergonomic Design	3		0	REGULER CLASS
6	TIND60603	Ergonomic Assessment	3		0	REGULER CLASS
7	TIND61703	Integrated Management System	3		0	
8	TIND62703	Six Sigma	3		0	
9	TIND63703	Productivity Analysis and Improvement	3		0	
10	TIND64603	Production Sequencing and Scheduling	3		0	REGULER CLASS
11	TIND65603	Inventory System	3		0	REGULER CLASS
12	TIND66703	Lean Production System	3		0	
13	TIND67703	Maintenance System	3		0	
14	TIND68603	Supply Chain Design and Management	3		0	REGULER CLASS
15	TIND69603	Warehouse Management	3		0	REGULER CLASS
16	TIND70703	Purchasing and Supply Management	3		0	
17	TIND71703	Retail and Distribution Management	3		0	
18	TIND72603	Marketing Research	3		0	REGULER CLASS
19	TIND73603	Decision Analysis	3		0	REGULER CLASS
20	TIND74703	Service Management	3		0	
21	TIND75703	Human Resource Management	3		0	
22	TIND76603	Project Management	3		0	REGULER CLASS
23	TIND77603	Data Mining	3		0	REGULER CLASS
24	TIND78703	Multivariate Analysis	3		0	
25	TIND79703	Life Cycle Assessment	3		0	