

LIST OF OFFERED COURSES
FIRST SEMESTER OF ACADEMIC YEAR 2022/2023
INTERNATIONAL INDUSTRIAL ENGINEERING PROGRAM FTI UAJJ

No.	Code	Subject	Credits	Smtr	Class capacity	Lecturer(s)
1	TIND01103	Matemathics 1	3	1	20	IMK & RMD
2	TIND02103	Basic Physics	3		20	FEW
3	TIND03101	Basic Physics Lab Work	1		30	Regular Class
4	TIND04103	Chemistry	3		20	MMC
5	MKUN01002	Religion	2		20	MKU
6	TIND05102	Engineering Materials	2		20	AA
7	TIND06102	Engineering Drawing	2		20	ATY
8	TIND07102	Introduction to Industrial Engineering	2		20	YS
1	TIND08203	Mathematics 2	3	2	0	-
2	TIND09203	Electricity and Magnetism	3		0	-
3	TIND10201	Electricity and Magnetism Lab Work	1		0	-
4	TIND11203	Biology	3		0	-
5	MKUN05002	Digital Society	2		0	-
6	TIND12202	Engineering and Design	2		0	-
7	TIND13202	Engineering Mechanics	2		0	-
8	TIND14202	Basic Programming	2		0	-
1	TIND15303	Linear Algebra	3	3	20	IMK & RMD
2	TIND16303	Introduction to Probability	3		20	ISP
3	TIND17301	Ergonomics Lab Work	1		30	Regular Class
4	TIND18303	Ergonomics and Industrial Psychology	3		20	CDK & TYR
5	MKUN02002	Pancasila	2		20	MKU
6	TIND19302	Mechatronics	2		20	AKP
7	TIND20302	Manufacturing Process and Cost	2		30	JHN
8	TIND21302	Applied Programming	2		20	TJA & LIP
1	TIND22403	Optimization Mathematics	3	4	0	-
2	TIND23402	Production System	2		0	-
3	TIND24402	Data Visualization	2		0	-
4	TIND25401	Work System Analysis and Design Lab Work	1		0	-
5	TIND26402	Work System Analysis and Design	2		0	-
6	TIND27402	Business Processes and Information System	2		0	-
7	TIND28403	Inferential Statistics	3		0	-
8	TIND29401	Industrial Automation Lab Work	1		0	-
9	TIND30402	Industrial Automation	2		0	-
1	TIND31503	Operational Research 1	3	5	0	-
2	TIND32502	Production Planning and Control System	2		20	FHP
3	TIND33501	Production Planning and Control System Lab Work	1		30	Regular Class
4	TIND34503	Integrated System Design 1	3		30	Regular Class
5	TIND35502	<i>Enterprise Resource Planning</i>	2		20	RDA
6	TIND36503	Quality Control	3		20	BBN
7	TIND37502	Financial Analysis	2		20	LH
8	TIND38503	Manufacturing Facility Planning	3		20	LAK
1	TIND39602	System Modeling	2		0	-

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2	TIND40603	Operational Research 2	3	6	0	-
3	TIND41602	Industrial Environmental System	2		0	-
4	TIND42602	Integrated System Design 2	2		0	-
5	TIND43601	Professional Learning 1	1		0	-
6	MKUN04002	Bahasa Indonesia	2		0	-
7	TIND44602	English for Specific Purpose	2		0	-
8	TIND45602	Supply Chain Management	2		0	-
9	TIND46602	Occupational Health and Safety Engineering	2		0	-
1	TIND47703	Industrial Simulation	3		7	0
2	TIND48702	Critical Thinking and Final Project Proposal	2	0		Regular Class
3	MKUN03002	Civics	2	0		Regular Class
4	MKUN07002	Community Service	2	20		LPPM
5	MKUN06002	Entrepreneurship	2	20		-
6	TINDXX603/TINDXX703	Elective Course 1	3	0		-
7	TINDXX603/TINDXX703	Elective Course 2	3	0		-
1	TIND49803	Industrial Practice	3	8	20	IE LECTURER
2	TIND50803	Professional Learning 2	3		20	IE LECTURER
3	TIND51803	Professional Learning 3	3		20	IE LECTURER
4	TIND52802	Professional Learning 4	2		20	IE LECTURER
5	TIND53802	Professional Learning 5	2		20	IE LECTURER
6	TIND54805	Final Project	5		20	IE LECTURER
1	TIND55603	CAD/CAM	3	ELECTIVE COURSES	0	-
2	TIND56603	Artistic Design	3		0	-
3	TIND57703	Mold and Dies Design	3		0	-
4	TIND58703	Rapid Prototyping	3		0	-
5	TIND59603	Ergonomic Design	3		0	-
6	TIND60603	Ergonomic Assessment	3		0	-
7	TIND61703	Integrated Management System	3		0	-
8	TIND62703	Six Sigma	3		0	-
9	TIND63703	Productivity Analysis and Improvement	3		30	Regular Class
10	TIND64603	Production Sequencing and Scheduling	3		0	-
11	TIND65603	Inventory System	3		0	-
12	TIND66703	Lean Production System	3		30	Regular Class
13	TIND67703	Maintenance System	3		0	-
14	TIND68603	Supply Chain Design and Management	3		0	-
15	TIND69603	Warehouse Management	3		0	-
16	TIND70703	Purchasing and Supply Management	3		30	Regular Class
17	TIND71703	Retail and Distribution Management	3		30	Regular Class
18	TIND72603	Marketing Research	3		0	-
19	TIND73603	Decision Analysis	3		0	-
20	TIND74703	Service Management	3		30	Regular Class
21	TIND75703	Human Resource Management	3		30	Regular Class
22	TIND76603	Project Management	3		0	-
23	TIND77603	Data Mining	3		0	-
24	TIND78703	Multivariate Analysis	3		0	-
25	TIND79703	Life Cycle Assessment	3		0	-