

LIST OF OFFERED COURSES
SECOND SEMESTER OF ACADEMIC YEAR 2020/2021
INTERNATIONAL INDUSTRIAL ENGINEERING PROGRAM FTI UAJY

No.	Code	Subject	Credits	Smtr	Class capacity	Lecturer(s)
Required Course						
1	UNU0102	Religion	2	1	20	SUR
2	UNU0202	Pancasila	2	1	20	MKU
3	IND0112	Engineering Material	2	1	20	AA
4	IND0213	Engineering Drawing	3	1	20	KAN
5	IND0313	Basic Physics and Basic Physics Laboratory	3	1	20	FEW
6	IND0412	Introduction to Business and Economics	2	1	20	LH
7	IND0513	Introduction to Industrial Engineering	3	1	20	YS
8	IND0613	Mathematics 1	3	1	20	IMK
9	UNU0402	Bahasa Indonesia	2	2		
10	IND0722	Engineering Mechanics	2	2		
11	IND0823	Manufacturing Process	3	2		
12	IND0923	Probability and Descriptive Statistics	3	2		
13	IND1022	Electricity and Magnetism	2	2		
14	IND1122	Matrix and Vector Space	2	2		
15	IND1223	Introduction to Manufacturing System	3	2		
16	IND1323	Mathematics 2	3	2		
17	IND1433	Introduction to Engineering and Design	3	3	20	LAKS
18	IND1533	Ergonomics	3	3	20	LTD
19	IND1633	Computer Programming	3	3	20	AKP
20	IND1733	Inferential Statistics	3	3	20	TRL
21	IND1833	Mechatronics	3	3	20	BBN
22	IND1933	Operational Research 1	3	3	20	YD
23	IND2032	Optimization Technique	2	3	20	FHP
24	IND2143	Cost Analysis	3	4		
25	IND2243	Work System Design and Analysis	3	4		
26	IND2342	Introduction to Logistics and Supply Chain Management	2	4		
27	IND2442	Integrated System Design 1	2	4		
28	IND2543	Industrial Automation	3	4		
29	IND2643	Operational Research 2	3	4		
30	IND2743	Production Planning and Control System	3	4		
31	IND2841	Field Study	1	4		
32	IND2952	Engineering Economy	2	5	20	TJA
33	IND3053	English for Specific Purpose	3	5	20	LBP
34	IND3152	Information System	2	5	20	RDA
35	IND3252	Integrated System Design 2	2	5	25	LH
36	IND3352	System Modelling	2	5	20	TJA
37	IND3453	Quality Engineering	3	5	20	HS
38	IND3553	Manufacturing Facility Planning	3	5	20	LAKS
39	IND3652	Organization and Management of Enterprise System	2	5	20	HND
40	IND3762	Green Industry	2	6		
41	IND3862	Occupational Health and Safety Engineering	2	6		
42	IND3962	Enterprise Resource Planning System	2	6		
43	IND4062	Integrated System Design 3	2	6		
44	IND4163	Industrial Simulation	3	6		
45	UNU0302	Civics	2	6		
46	IND4272	Productivity Analysis and Improvement	2	7	20	BK

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47	IND4372	Industrial Psychology	2	7	20	LTD
48	IND4473	Project Management	3	7	20	LH
49	IND4572	Technopreneurship	2	7	20	PKD
50	IND4672	Final Project Proposal Writing	2	7	20	YD & LBP
51	UNU0502	Community Service	2	7	20	LPPM
52	IND4782	Industrial Practice	2	8	20	IE LECTURERS
53	IND4883	Industrial Internship	3	8	20	IE LECTURERS
54	IND4985	Final Project	5	8	20	IE LECTURERS
Elective Course						
55	IND5063	CAD/CAM	3	6		
56	IND5163	Artistic Design	3	6		
57	IND5273	Mold and Dies Design	3	7		
58	IND5373	Rapid Prototyping	3	7		
59	IND5463	Ergonomic Design	3	6		
60	IND5563	Ergonomic Assessment	3	6		
61	IND5673	Integrated Management System	3	7		
62	IND5773	Six Sigma	3	7		
63	IND5863	Production Sequencing and Scheduling	3	6		
64	IND5963	Inventory System	3	6		
65	IND6073	Lean Production System	3	7		
66	IND6173	Maintenance System	3	7		
67	IND6263	Supply Chain Design and Management	3	6		
68	IND6363	Warehouse Management	3	6		
69	IND6473	Purchasing and Supply Management	3	7		
70	IND6573	Retail and Distribution Management	3	7		
71	IND6663	Marketing Research	3	6		
72	IND6763	Decision Analysis	3	6		
73	IND6873	Service Management	3	7		
74	IND6973	Human Resource Management	3	7	20	TRL

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Ketua Program Studi Teknik Industri

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