INDUSTRIAL ENGINEERING UNDERGRADUATE CURRICULUM (Starting from 2012-2013) (Last update: 16.09.2014)

First Semeste	nr .				ECTS
ACS 205	Academic Communication Skills III	0	4	2	4
HIST 201	Principles of Atatürk and History of Turkish Revolution I	2	0	2	3
				2	3
E 101	Industrial Engineering Orientation	2	0	_	_
MCS 155	Calculus for Engineering I	3	2	4	5
ME 115	Fundamentals of Computer Aided Engineering Drawing	2	2	3	6
PHYS 131	Physics I	3	2	4	6
TURK 101	Turkish I	2	0	2	3
		14	10	19	30
Second Seme	Academic Communication Skills IV	0	4	2	4
ECON 213		4	0	4	4
	Principles of Economics				
HIST 202	Principles of Atatürk and History of Turkish Revolution II	2	0	2	3
MCS 156	Calculus for Engineering II	3	2	4	5
MSE 125	Materials Science and General Chemistry	3	2	4	5
PHYS 132	Physics II	3	2	4	6
TURK 102	Turkish II	2	0	2	3
		17	10	22	30
Third Semest CENG 198	Introduction to Computer Programming	2	2	3	-
E 227		3	2	4	5
	Introduction to Probability	_			_
MCS 205	Basic Linear Algebra	3	0	3	4
ME 213	Introduction to Engineering Thermodynamics	3	0	3	5
RPW 305	Research Paper Writing	0	2	1	3
ELECTIVE 1	Restricted Manufacturing Processes Elective (ME 243, ME 210)	2	2	3	5
ELECTIVE 2	Free Elective	3	0	3	3
		16	8	20	30
Fourth Seme					
APS 308	Academic Presentation Skills	0	2	1	3
E 202	Work Study and Ergonomics	3	2	4	5
E 228	Engineering Statistics	2	2	3	6
		^	٠	4	6
	Operations Research I - Modeling	3	2		
IE 232	Operations Research I - Modeling Cost Analysis in Engineering	2	_		_
IE 232 IE 240	Cost Analysis in Engineering	2	2	3	6
IE 232 IE 240 IE 311		_	_		
IE 232 IE 240 IE 311 Fifth Semeste	Cost Analysis in Engineering Computer Applications in IE	2	2	3	6
IE 232 IE 240 IE 311 Fifth Semeste	Cost Analysis in Engineering Computer Applications in IE	2	2	3	6
IE 232 IE 240 IE 311 Fifth Semesto ESR 101	Cost Analysis in Engineering Computer Applications in IE	2 2 12	2 2 12	3 18	6 4 30
IE 232 IE 240 IE 311 Fifth Semesto ESR 101 IE 200	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility	2 2 12	2 2 12	3 3 18	6 4 30
E 232 E 240 E 311 Fifth Semeste ESR 101 E 200 E 327	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation	2 2 12 1 0	2 2 12 0 0	3 18 1	6 4 30 1 5
IE 232 IE 240 IE 311 Fifth Semeste ESR 101 IE 200 IE 327 IE 333	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems	2 2 12 1 0 3 3	2 2 12 0 0 2 2	3 3 18 1 0 4 4	6 4 30 1 5 7 6
E 232 E 240 E 311 Fifth Semeste ESR 101 E 200 E 327 E 333 E 341	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis	2 2 12 1 0 3 3 2	2 2 12 0 0 2 2 2	3 3 18 1 0 4 4 3	6 4 30 1 5 7 6 5
E 232 E 240 E 311 Fifth Semeste ESR 101 E 200 E 327 E 333 E 341	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems	2 2 12 1 0 3 3	2 2 12 0 0 2 2	3 3 18 1 0 4 4	6 4 30 1 5 7 6
IE 232 IE 240	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I	2 2 12 1 0 3 3 2 3	2 2 12 0 0 2 2 2 2	3 18 1 0 4 4 3 4	6 4 30 1 5 7 6 5 6
E 232 E 240 E 311 Fifth Semestr ESR 101 E 200 E 327 E 333 E 341 E 365 Sixth Semestr	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location	2 2 12 1 0 3 3 2 3	2 2 12 0 0 2 2 2 2	3 18 1 0 4 4 3	6 4 30 1 5 7 6 5 6
E 232 E 240 E 311 Fifth Semestr ESR 101 E 200 E 327 E 333 E 341 E 365 Sixth Semestr	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location	2 12 1 0 3 3 2 3 12	2 2 12 0 0 2 2 2 2 2 8	3 18 1 0 4 4 3 4	6 4 30 1 5 7 6 5 6 30
IE 232 IE 240 IE 311 Fifth Semeste ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems	2 2 12 1 0 3 3 2 3 12	2 2 12 0 0 2 2 2 2 8	3 3 18 1 0 4 4 3 4 16	6 4 30 1 5 7 6 5 6 30
IE 232 IE 240 IE 311 Fifth Semeste ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semest IE 302 IE 304 IE 364	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems	2 1 0 3 3 2 3 12	2 12 0 0 2 2 2 2 2 8	3 18 1 0 4 4 3 4 16	6 4 30 1 5 7 6 5 6 30
E 232 E 240 E 311 Fifth Semestr SSR 101 E 200 E 327 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 334 E 334 E 334 E 366	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II	2 2 12 1 0 3 3 2 3 12	2 12 0 0 2 2 2 2 2 8	3 3 18 1 0 4 4 3 4 16	6 4 30 1 5 7 6 5 6 30 6 6 6
E 232 E 240 E 240 E 311 Fifth Semestr ESR 101 E 200 E 327 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 364 E 364 E 366	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Production Information Systems Manufacturing and Service Systems Planning II Report Writing	2 2 12 1 0 3 3 2 3 12 2 3 2 3	2 12 0 0 2 2 2 2 2 8	3 3 18 1 0 4 4 3 4 16	6 4 30 1 5 7 6 5 6 30
E 232 E 240 E 311 Fifth Semester ESR 101 E 200 E 327 E 333 E 341 E 365 Sixth Semester E 302 E 334	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II	2 2 12 1 0 3 3 2 3 12 2 3 2 3 0	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 18 1 0 4 4 3 4 16	6 4 30 1 5 7 6 5 6 30 6 6 6 3
E 232 E 240 E 311 Fifth Semestr ESR 101 E 200 E 327 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 364 E 366 RTW 405 ELECTIVE 3	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective	2 2 12 1 0 3 3 2 3 12 2 3 2 3 0 3 0 3 2 3	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 18 1 0 4 4 3 4 16	6 4 30 1 5 7 6 5 6 30 6 6 6 6 3 3
E 232 E 240 E 240 E 311 Fifth Semestr ESR 101 E 200 E 327 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 364 E 364 E 366	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective	2 2 12 1 0 3 3 2 3 12 2 3 2 3 0 3 0 3 2 3	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 18 1 0 4 4 3 4 16	6 4 30 1 5 7 6 5 6 30 6 6 6 6 3 3
E 232 E 240 E 311 E 311 E 311 E 311 E 311 E 327 E 333 E 341 E 365 E 302 E 334 E 364 E 366	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective	2 2 12 1 0 3 3 2 3 12 2 3 2 3 0 3 3 12	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0	3 3 18 1 0 4 4 3 4 16 3 4 1 3 4 1 3 1 1 3 1 1 1 1 1 1 1 1 1 1	6 4 30 1 5 7 6 5 6 30 6 6 6 3 3 4 30
E 232 E 240 E 311 Fifth Semestress 101 E 200 E 327 E 333 E 341 E 365 Sixth Semestress 334 E 364 E 366 E 368 E 368 E 369	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Report Writing Restricted Non-Departmental Elective sester Summer Training II Systems' Analysis	2 2 12 1 0 3 3 2 3 12 2 3 0 3 13	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0	3 3 18 1 0 4 4 3 4 16 3 4 1 3 1 8	6 4 30 1 5 7 6 5 6 30 6 6 6 5 6 3 4 30
E 232 E 240 E 240 E 240 E 341 Fifth Semeste E 302 E 333 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 364 E 364 E 364 E 364 E 368 E 364 E 366 E 364 E 366 E 364 E 366 E 364 E 366 E 367 E 364 E 366 E 367 E 364 E 367 E 3	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective ester Summer Training II Systems' Analysis Quality Engineering	2 2 12 1 0 3 3 2 3 12 2 3 2 3 0 3 13	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0	3 3 18 1 0 4 4 4 3 4 16 3 4 1 3 4 1 3 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	6 4 30 1 5 7 6 5 6 30 6 6 5 6 30 5 6 5 6 5 6 5 6 5 6 6 5 6 6 5 6 6 5 6 6 6 5 6
E 232 E 240 E 241 E 331 Fifth Semeste E 311 Fifth Semeste E 327 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 364 E 364 E 366 E 366 E 370 E 366 E 370 E	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective sester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*)	2 2 12 1 0 3 3 2 3 12 2 3 0 3 13	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 10 0 10 0 10 10 10 10 10 10 10 10 10 10	3 3 18 1 0 4 4 4 3 4 16 3 4 1 3 1 8 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	6 4 30 1 5 7 6 5 6 6 6 6 5 6 6 3 4 30 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
E 232 E 240 E 311 Fifth Semester Service Servi	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective ester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1	2 2 12 1 0 3 3 2 3 12 2 3 2 3 0 0 1 1 2 1 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0	3 3 18 1 0 4 4 4 3 4 16 3 4 1 3 4 1 3 3 4 1 3 3 3 4 3 3 3 3 3 3	6 4 30 1 5 7 6 5 6 6 6 6 5 6 6 3 4 30 5 5 6 6 6 6 5 6 6 6 6 6 6 6 6 6 6 6 7 6 6 6 6
E 232 E 240 E 240 E 311 Fifth Semeste ESR 101 E 200 E 327 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 366 E 304 E 366 E 364 E 368 E	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective sester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*)	2 2 12 1 0 3 3 2 3 12 2 3 2 3 0 0 3 13	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 0 0 10 10 10 10 10 10 10 10 10 10 10 10	3 3 18 1 0 4 4 3 4 16 3 4 1 3 18 0 0 3 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3	6 4 30 1 5 7 6 6 5 6 30 6 6 3 4 30 5 6 6 5 6 6 5 6 6 5 6 6 6 6 6 6 6 6 6
E 232 E 240 E 240 E 241 E 311 Fifth Semeste E 311 E 311 E 200 E 327 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 364 E 365 ELECTIVE 3	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective ester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1 IE Elective 2	2 2 12 1 0 3 3 2 3 12 2 3 2 3 0 0 1 1 2 1 3 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0	3 3 18 1 0 4 4 4 3 4 16 3 4 1 3 4 1 3 3 4 1 3 3 3 4 3 3 3 3 3 3	6 4 30 1 5 7 6 5 6 6 6 6 5 6 6 3 4 30 5 5 6 6 6 6 5 6 6 6 6 6 6 6 6 6 6 6 7 6 6 6 6
E 232 E 240 E 240 E 311 Fifth Semester Ser 101 E 200 E 327 E 333 E 346 E 365 E 341 E 365 E 365 E 364 E 364 E 364 E 364 E 364 E 366 E 366 E 366 E 366 E 367 E 367 E 367 E 427 E 5 427 E 6 427 E 6 427 E 6 427 E 6 427 E 7 5 427 E 7 6 427 E 7 6 427 E 8 6	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective sester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1 IE Elective 2 ster	2 2 12 1 0 3 3 2 3 12 2 3 0 3 13 0 1 2 3 3 2 3 3 1 2 3 3 3 1 2 1 3 3 3 3 1 3 1	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 2 0 10 0 0 0	3 3 18 1 0 4 4 4 3 4 16 3 4 1 3 18 0 3 3 3 3 3 3 3 3 3 3 3 3 3 1 5 1 5 1 5 1	6 4 30 1 5 7 6 5 6 6 6 6 3 3 4 3 0 5 5 6 6 6 6 7 6 6 6 6 6 6 7 7 8 7 8 8 8 8 8
E 232 E 240 E 240 E 311 Fifth Semestress 101 E 200 E 327 E 333 E 341 E 365 Sixth Semestress 334 E 364 E 366 E 302 E 334 E 364 E 366 E 302 E 302 E 302 E 302 E 302 E 427 E 300 E 427	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective sester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1 IE Elective 2 ster Systems' Design and Implementation	2 2 12 1 0 3 3 2 3 12 2 3 0 0 1 1 2 3 3 3 1 2 3 3 1 2 3 3 1 1 2 1 2 1	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0	3 3 18 1 0 4 4 4 3 4 16 3 4 1 3 3 4 1 3 3 3 3 3 3 3 3 3 3 3 3 4 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	6 4 30 7 6 5 6 6 6 3 4 30 5 5 6 6 6 5 7 7 6 6 5 7 7 8 6 6 6 7 7 8 7 8 7 8 8 7 8 8 7 8 8 8 8
E 232 E 240 E 240 E 240 E 241 Fifth Semeste E 301 E 327 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 364 E 365 ELECTIVE 3 ELECTIVE 4 E 407 E 427 ELECTIVE 6 ELECTIVE 6 ELECTIVE 6 Eighth Seme E 408 E 408 E 409	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective ester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1 IE Elective 1 IE Elective 2 Systems' Design and Implementation Seminars in IE Practice	2 2 12 1 0 3 3 2 3 12 2 3 0 0 1 1 2 3 3 3 1 2 3 3 1 2 3 3 1 1 2 1 2 1	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 0 10 0 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 18 1 0 4 4 4 3 4 16 3 4 1 3 3 4 1 3 3 3 4 1 3 3 3 3 3 3 3 3	6 4 30 7 6 5 6 6 6 5 6 6 3 4 30 5 5 6 6 5 6 6 5 6 6 5 6 6 6 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8
E 232 E 240 E 247 E 331 E 341 E 365 E 367 E 333 E 247 E 367 E 37 E 386 E 427 E E 489 E 499 E 499 E 499	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective ester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1 IE Elective 1 IE Elective 2 ster Systems' Design and Implementation Serminars in IE Practice Professional Communication Skills	2 2 12 1 0 3 3 2 3 12 2 3 0 0 1 1 2 3 3 3 1 2 3 3 1 2 3 3 1 1 2 1 2 1	2 2 12 0 0 0 2 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0	3 3 18 1 0 4 4 3 4 16 3 4 1 3 3 18 0 0 3 3 3 3 3 3 1 5 1 1 1 1 1 1 1 1 1 1 1 1	6 4 30 1 5 7 6 6 6 6 5 5 6 6 30 4 30 5 5 6 6 5 5 6 6 5 5 6 6 5 5 6 6 6 5 5 5 6 6 6 7 8 7 8 7 8 8 7 8 8 8 8 8 8 8 8 8
E 232 E 240 E 247 E 331 E 341 E 365 E 367 E 333 E 247 E 367 E 37 E 386 E 427 E E 489 E 499 E 499 E 499	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective ester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1 IE Elective 1 IE Elective 2 Systems' Design and Implementation Seminars in IE Practice	2 2 12 1 0 3 3 2 3 12 2 3 0 0 1 1 2 3 3 3 1 2 3 3 1 2 3 3 1 1 2 1 2 1	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 0 10 0 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 18 1 0 4 4 4 3 4 16 3 4 1 3 3 4 1 3 3 3 4 1 3 3 3 3 3 3 3 3	6 4 30 7 6 5 6 6 6 5 6 6 3 4 30 5 5 6 6 5 6 6 5 6 6 5 6 6 6 7 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8
E 232 E 240 E 311 Fifth Semester Service Servi	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective ester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1 IE Elective 1 IE Elective 2 ster Systems' Design and Implementation Serminars in IE Practice Professional Communication Skills	2 2 12 1 0 3 3 2 3 3 12 2 3 3 0 13 13 2 2 3 3 13 2 2 3 3 13 2 14 15 15 16 16 16 17 16 17 16 17 16 17 16 17 16 17 16 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17	2 2 12 0 0 0 2 2 2 2 2 2 2 2 2 2 2 2 0 0 0 0	3 3 18 1 0 4 4 4 3 4 4 16 3 4 4 1 3 3 18 0 0 3 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1	6 4 30 1 5 7 6 6 30 6 6 6 5 5 6 6 3 3 4 3 0 5 5 6 6 5 5 6 6 5 5 6 6 6 6 6 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8
E 232 E 240 E 311 Fifth Semestress 101 E 302 E 334 E 365 E 302 E 334 E 366 E 302 E 304 E 306 E 306 E 306 E 427 E 306 E 427 E 428 E 438 E 439 E 438 E 439 E 438 E 439 E 438 E 439 E 438 E 438 E 439 E 438 E 4	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I er Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective ester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1 IE Elective 2 ster Systems' Design and Implementation Seminars in IE Practice Professional Communication Skills Industrial Psychology and Organizational Behavior	2 2 12 1 0 3 3 3 2 2 3 12 2 3 0 1 1 2 3 3 1 2 2 3 3 1 2 2 1 2 1 2 1 2 1	2 2 12 0 0 2 2 2 2 2 2 2 2 2 2 0 0 10 0 4 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 4 4 4 16 3 4 4 1 3 4 1 3 3 4 1 3 3 3 4 1 1 3 3 3 3	6 4 30 1 5 7 6 6 30 6 6 6 5 5 6 6 3 3 4 4 3 0 5 5 5 6 6 6 5 5 5 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
E 232 E 240 E 240 E 240 E 241 Fifth Semeste E 301 E 327 E 333 E 341 E 365 Sixth Semest E 302 E 334 E 364 E 365 ELECTIVE 3 ELECTIVE 4 E 407 E 427 ELECTIVE 6 ELECTIVE 6 ELECTIVE 6 Eighth Seme E 408 E 408 E 409	Cost Analysis in Engineering Computer Applications in IE er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Report Writing Restricted Non-Departmental Elective ester Summer Training II Systems' Analysis Quality Engineering Restricted Management Elective (MAN 433, MAN 432, MAN 102*) IE Elective 1 IE Elective 1 IE Elective 2 ster Systems' Design and Implementation Seminars in IE Practice Professional Communication Skills Industrial Psychology and Organizational Behavior IE Elective 3	2 2 12 1 0 3 3 2 3 12 2 3 0 3 13 10 1 2 3 3 3 13 2 2 3 3 13 12 2 0 10 10 10 10 10 10 10 10 10 10 10 10 1	2 2 12 0 0 0 2 2 2 2 2 2 2 2 2 2 0 10 0 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 3 18 1 0 4 4 16 3 4 4 1 3 3 4 4 1 3 3 3 3 3 3 3 3 3 3 3	6 4 30 5 7 6 6 6 6 6 6 30 5 5 6 6 30 5 5 6 6 6 6 5 5 6 6 8 8 9 8 9 8 9 8 9 8 9 8 8 9 8 8 8 8

First Semest	ier				ECT
ENG 121	Academic English I	2	2	3	4
HIST 201	Principles of Atatürk and History of Turkish Revolution I	2	0	2	3
IE 101	Industrial Engineering Orientation	2	0	2	3
MCS 155	Calculus for Engineering I	3	2	4	5
ME 115	Fundamentals of Computer Aided Engineering Drawing	2	2	3	6
PHYS 131	Physics I	3	2	4	6
TURK 101	Turkish I	2	0	2	3
		16	8	20	30
Second Sem	ester				
CENG 198	Introduction to Computer Programming	2	2	3	5
ECON 213	Principles of Economics	4	0	4	4
ENG 122	Academic English II	2	2	3	4
HIST 202	Principles of Atatürk and History of Turkish Revolution II	2	0	2	3
MCS 156	Calculus for Engineering II	3	2	4	5
PHYS 132	Physics II	3	2	4	6
TURK 102	Turkish II	2	0	2	3
		18	8	22	30
Third Semes	ter				
IE 227	Introduction to Probability	3	2	4	6
IE 241	Cost Analysis in Engineering	3	0	3	5
MCS 205	Basic Linear Algebra	3	0	3	4
MCS 258	Introduction to Differential Equations	2	2	3	4
MSE 225	Introduction to Materials Science	3	2	4	6
ELECTIVE 1	Restricted Manufacturing Processes Elective (ME 243, ME 210)	2	2	3	5
LLLCTIVL	Trestricted Manufacturing Processes Elective (ME 245, ME 210)	16	8	20	30
		10	0	20	30
Fourth Seme	ester				
IE 202	Work Study and Ergonomics	3	2	4	7
IL 202		2	2	3	6
IE 218					0
	Computer Applications in IE			4	7
IE 218 IE 228	Engineering Statistics	3	2	4	7
IE 228 IE 232	Engineering Statistics Operations Research I - Modeling	3	2	5	7
IE 228 IE 232	Engineering Statistics	3 4 3	2 2 0	5	7
IE 228 IE 232	Engineering Statistics Operations Research I - Modeling	3	2	5	7
IE 228 IE 232 ELECTIVE 2	Engineering Statistics Operations Research I - Modeling Free Elective	3 4 3	2 2 0	5	7
IE 228 IE 232 ELECTIVE 2 Fifth Semest	Engineering Statistics Operations Research I - Modeling Free Elective	3 4 3	2 2 0	5	7
IE 228 IE 232	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility	3 4 3 15	2 2 0 8	5 3 19	7 3 30
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I	3 4 3 15	2 2 0 8	5 3 19	7 3 30
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation	3 4 3 15	2 2 0 8	5 3 19 1	7 3 30 1 5 7
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333	Engineering Statistics Operations Research I - Modeling Free Elective ter Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems	3 4 3 15	2 0 8 0 0 2 2	5 3 19 1 0 4 4	7 3 300 1 5 7 6
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis	3 4 3 15	2 2 0 8 0 0 2 2 2	5 3 19 1 0 4 4 3	7 3 30 1 5 7 6
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341	Engineering Statistics Operations Research I - Modeling Free Elective ter Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems	3 4 3 15 1 0 3 3 3 3	2 0 8 0 0 2 2 2	5 3 19 1 0 4 4 3 4	7 3 30 1 5 7 6 5
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 331 IE 341 IE 365	Engineering Statistics Operations Research I - Modeling Free Elective ter Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I	3 4 3 15	2 2 0 8 0 0 2 2 2	5 3 19 1 0 4 4 3	7 3 30 1 5 7 6
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I	3 4 3 15 1 0 3 3 3 3 13	2 2 0 8 0 0 2 2 2 0 2 6	5 3 19 1 0 4 4 4 3 4 16	7 3 30 1 5 7 6 5 6 30
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location	3 4 3 15 1 0 3 3 3 13	2 2 0 8 0 0 2 2 0 2 6	5 3 19 1 0 4 4 3 4 16	7 3 30 1 5 7 6 5 6 30
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems	3 4 3 15	2 2 0 8 0 0 2 2 2 0 2 6	5 3 19 1 0 4 4 3 4 16	7 3 30 1 5 7 6 5 6 30
IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 302	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems	3 4 3 15 1 0 3 3 3 3 13	2 2 0 8 0 0 2 2 0 2 6	1 0 4 4 3 4 16	7 3 30 1 5 7 6 5 6 30 6 7 6
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 334 IE 365	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II	1 0 3 3 3 3 3 3 13	2 2 0 8 0 0 2 2 0 2 6	1 0 4 4 3 4 16	7 3 30 1 5 7 6 5 6 30 6 7 6 6 6
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 334 IE 365	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems	1 0 3 3 3 3 3 3 13	2 2 0 8 0 0 2 2 0 2 6	1 0 4 4 3 4 16	7 3 30 1 5 7 6 5 6 30 6 7 6 6 6 5 5
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 334 IE 365	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II	1 0 3 3 3 3 3 3 13	2 2 0 8 0 0 2 2 0 2 6	1 0 4 4 3 4 16	7 3 30 1 5 7 6 5 6 30 6 7 6 6 6
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 366 ELECTIVE 3	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective	1 0 3 3 3 3 3 3 13	2 2 0 8 0 0 2 2 0 2 6	1 0 4 4 3 4 16	7 3 30 1 5 7 6 5 6 30 6 7 6 6 6 5 5
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 365 ELECTIVE 3 Seventh Sen	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective	1 0 3 3 3 3 3 3 13	2 2 0 8 8 0 0 2 2 2 6	1 0 4 4 3 4 16 4 5 3 4 3 19	7 3 30 1 5 7 6 5 6 30 6 7 6 6 6 6 5 30
IE 228 IE 232 ELECTIVE 2 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 364 IE 364 IE 366 ELECTIVE 3 Seventh Sen IE 300	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective	1 0 3 3 3 3 3 3 3 4 4 2 2 3 3 3 15	2 2 0 8 0 0 2 2 0 2 6	1 0 4 4 3 4 16	7 3 30 1 5 7 6 5 6 30 6 7 6 6 6 5 5
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 366 ELECTIVE 3 Seventh Sen IE 300 IE 407	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective	1 0 3 3 3 3 3 3 4 2 2 3 3 3 15	2 2 0 8 8 0 0 0 2 2 0 2 6	1 0 4 4 4 16 4 5 3 4 19	7 3 30 30 1 5 7 6 6 5 6 30 6 7 6 6 6 5 30 30 5 7 6 6 7 7 6 6 7 7 8 7 8 7 8 7 8 7 8 7 8
IE 228 IE 232 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 366 ELECTIVE 3 Seventh Sen IE 360 ELECTIVE 3	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective	1 0 3 3 3 3 13 4 2 3 3 3 15 15 0 1 1 3	2 2 0 8 0 0 2 2 0 2 6 2 2 2 2 0 8	1 0 4 4 4 16 4 5 3 4 19	7 3 30 30 1 5 7 6 6 5 6 30 6 7 6 6 6 5 30 30 5 7 6 6 7 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7
IE 228 IE 232 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 365 Semest IE 302 IE 304 IE 306 IE 307 IE 306 IE 307 IE 306 IE 307 IE 307 IE 308 IE 308 IE 308	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective nester Summer Training II Systems' Analysis Ouality Engineering Seminars in IE Practice	1 1 0 3 3 3 3 3 1 1 3 3 4 4 2 2 3 3 3 1 1 5 1 5	2 2 0 8 0 0 2 2 0 2 6 2 2 2 0 8	1 0 4 4 3 4 16 4 5 3 4 3 19	7 3 30 1 5 7 6 5 5 6 30 6 7 6 6 5 30 5 7 6 6 7 6 6 7 7 6 6 7 7 6 6 7 7 7 6 6 7 7 7 6 7
IE 228 IE 232 ELECTIVE 2 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 364 IE 364 IE 366 ELECTIVE 3 Seventh Sen IE 300 IE 407 IE 407 IE 499 ELECTIVE 4	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective mester Summer Training II Systems' Analysis Quality Engineering Seeminars in IE Practice IE Elective 1	1 1 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 0 8 0 0 2 2 2 6 2 2 2 2 2 0 8	1 0 4 4 3 4 16	7 3 30 1 5 7 6 5 5 6 6 30 6 7 7 6 6 5 5 7 6 6 7 7 6 6 7 7 6 6 7 7 7 6 6 7 7 7 6 7
IE 228 IE 232 ELECTIVE 2 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 364 IE 364 IE 366 ELECTIVE 3 Seventh Sen IE 300 IE 407 IE 407 IE 499 ELECTIVE 4	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective nester Summer Training II Systems' Analysis Ouality Engineering Seminars in IE Practice	1 0 0 3 3 3 3 13 15 0 1 1 5 0 1 1 3 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 0 8 0 0 2 2 0 2 6 2 2 2 0 2 2 0 8	5 3 19 1 0 4 4 4 16 5 3 4 3 19	7 3 300 1 5 7 6 6 5 6 6 7 7 6 6 6 6 7 7 6 6 6 7 7 7 6 6 6 6 7 7 7 7 6 6 6 7
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 366 ELECTIVE 3 Seventh Sen IE 300 IE 327 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 366 ELECTIVE 3	Engineering Statistics Operations Research I - Modeling Free Elective Etr Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective mester Summer Training II Systems' Analysis Quality Engineering Seminars in IE Practice IE Elective 1 IE Elective 2	1 1 0 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	2 2 0 8 0 0 2 2 2 6 2 2 2 2 2 0 8	1 0 4 4 3 4 16	7 3 300 1 5 7 6 6 5 6 6 7 7 6 6 6 6 7 7 6 6 6 7 7 7 6 6 6 6 7 7 7 7 6 6 6 7
IE 228 IE 232 ELECTIVE 2 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 365 ELECTIVE 3 Seventh Sen IE 300 IE 407 IE 427 IE 429 ELECTIVE 4 ELECTIVE 5 Eighth Semes	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective nester Summer Training II Systems' Analysis Quality Engineering Seminars in IE Practice IE Elective 1 IE Elective 2	3 4 3 15 1 1 0 3 3 3 3 4 4 2 2 3 3 3 15	2 2 0 8 0 0 2 2 2 2 2 2 2 2 2 0 8 8	1 0 4 4 4 5 3 4 16 0 0 3 4 4 2 2 3 3 19	7 3 30 1 5 7 6 6 5 6 6 6 5 30 5 7 7 6 6 6 2 5 7 7 6 6 6 6 7 7 6 6 6 7 7 7 6 6 7 7 7 7 6 7 8 7 7 7 8 7 8
IE 228 IE 232 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 366 ELECTIVE 3 Seventh Sen IE 300 IE 407 IE 499 ELECTIVE 4 ELECTIVE 5 Eighth Seme IE 408	Engineering Statistics Operations Research I - Modeling Free Elective Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective mester Systems' Analysis Quality Engineering Seminars in IE Practice IE Elective 1 IE Elective 1 IE Elective 1 Ig Elective 2 sster Systems' Design and Implementation	1 1 0 3 3 3 3 13 15 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 0 8 0 0 2 2 2 0 2 2 2 2 2 2 2 0 8 8	5 3 19 1 0 4 4 4 3 4 16 5 3 4 3 19	7 3 30 1 5 7 6 5 6 6 5 30 6 6 5 7 6 6 6 5 7 6 6 6 7 6 6 6 7 7 6 6 6 7 7 6 6 7 7 7 6 7 7 7 8 7 7 8 7 7 8 7 8
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 366 ELECTIVE 3 Seventh Sem IE 306 IE 307 IE 307 IE 407 IE 427 IE 427 IE 499 ELECTIVE 4 ELECTIVE 5 Eighth Seme	Engineering Statistics Operations Research I - Modeling Free Elective Err Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective mester Summer Training II Systems' Analysis Quality Engineering Seminars in IE Practice IE Elective 1 IE Elective 1 IE Elective 2 Systems' Design and Implementation Human in Organizations	1 0 3 3 3 3 3 3 13 3 4 4 2 2 3 3 15	2 0 0 0 2 2 2 0 2 6 8	1 0 4 4 16 4 5 3 4 19 0 0 3 4 4 2 3 3 19	7 3 30 1 5 7 6 6 5 5 6 6 6 5 5 30 6 7 7 6 6 6 5 5 3 0 0 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 366 ELECTIVE 3 Seventh Sem IE 300 IE 427 IE 427 IE 429 ELECTIVE 4 ELECTIVE 4 ELECTIVE 5 Eighth Seme IE 408 ELECTIVE 5 Eighth Seme IE 408 ELECTIVE 5 Eighth Seme	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective nester Summer Training II Systems' Analysis Ouality Engineering Seminars in IE Practice IE Elective 1 IE Elective 2 ster Systems' Design and Implementation Human in Organizations IE Elective 3	3 4 3 15 10 3 3 3 3 3 13 15 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 0 8 0 0 2 2 2 2 2 2 2 2 2 0 8 8	1 0 4 4 4 3 4 116 5 3 4 4 3 119 0 3 3 4 4 15 3 3 3 3 15	7 3 30 1 5 7 6 6 6 6 5 5 6 6 6 5 7 7 6 6 6 5 5 7 7 6 6 6 7 7 6 6 6 7 7 7 6 6 7 7 7 7
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 364 IE 366 ELECTIVE 3 Seventh Sen IE 300 IE 407 IE 427 IE 427 IE 427 IE 498 ELECTIVE 4 ELECTIVE 5 Eighth Seme	Engineering Statistics Operations Research I - Modeling Free Elective Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective mester Summer Training II Systems' Analysis Quality Engineering Seminars in IE Practice IE Elective 1 IE Elective 1 IE Elective 1 Systems' Design and Implementation Human in Organizations IE Elective 3 Restricted Management Elective (MAN 433, MAN 432, MAN 102*)	1 1 0 3 3 3 3 113 3 4 4 2 2 3 3 3 3 115 15 15 15 15 15 15 15 15 15 15 15 15	2 0 8 0 0 2 2 0 2 6 2 2 2 2 0 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 4 4 4 3 4 116 5 3 4 4 3 119 0 3 3 4 4 2 3 3 3 115	7 3 30 1 5 7 6 6 6 6 7 7 6 6 6 2 2 5 30 7 7 6 6 7 7 6 7 7 7 6 6 7 7 7 7 7 7 7
IE 228 IE 228 IE 232 ELECTIVE 2 Fifth Semest ESR 101 IE 200 IE 327 IE 333 IE 341 IE 365 Sixth Semes IE 302 IE 334 IE 364 IE 366 ELECTIVE 3 Seventh Sem IE 300 IE 427 IE 427 IE 429 ELECTIVE 4 ELECTIVE 4 ELECTIVE 5 Eighth Seme IE 408 ELECTIVE 5 Eighth Seme IE 408 ELECTIVE 5 Eighth Seme	Engineering Statistics Operations Research I - Modeling Free Elective er Ethics and Social Responsibility Summer Training I System Simulation Operations Research II - Deterministic Problems Engineering Economic Analysis Manufacturing and Service Systems Planning I ter Facilities Design and Location Operations Research III - Stochastic Problems Production Information Systems Manufacturing and Service Systems Planning II Restricted Non-Departmental Elective nester Summer Training II Systems' Analysis Ouality Engineering Seminars in IE Practice IE Elective 1 IE Elective 2 ster Systems' Design and Implementation Human in Organizations IE Elective 3	3 4 3 15 10 3 3 3 3 3 13 15 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 0 8 0 0 2 2 2 2 2 2 2 2 2 0 8 8	1 0 4 4 4 3 4 116 5 3 4 4 3 119 0 3 3 4 4 15 3 3 3 3 15	7 3 30 1 5 7 6 6 6 6 5 5 6 6 6 5 7 7 6 6 6 5 5 7 7 6 6 6 7 7 6 6 6 7 7 7 6 6 7 7 7 7

TOTAL CREDITS 121 56 149 240

TOTAL CREDITS 110 72 146 240

^(*) Only for those students who had this course in their curriculum when they started the IE program.

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