DEPARTMENT OF	INDUSTRIAL ENGINEERING
DEPARTMENT / PROGRAM	INDUSTRIAL ENGINEERING / Master's Degree Program

COURSE STAGE

I. TERM / FALL								II. TERM / SPRING						
Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS
END5101	MATHEMATICAL PROGRAMMING	C	3	0	0	3	7.5	END	ELECTIVE COURSE	E					7.5
END	ELECTIVE COURSE	E					7.5	END	ELECTIVE COURSE	E					7.5
END	ELECTIVE COURSE	E					7.5	END	ELECTIVE COURSE	E					7.5
	ELECTIVE COURSE *	E					7.5		ELECTIVE COURSE *	E					7.5
						Total Credits/ECTS	**12**	**30**			**Total Credits/ECTS**				**12**	**30**

STAGE THESIS

III. TERM / FALL								IV. TERM / SPRING						
END5181	ADVANCED TOPICS IN MS THESIS I	C	4	0	0	0	5	END5182	ADVANCED TOPICS IN MS THESIS II	C	4	0	0	0	5
END5173	SEMINAR	C	0	0	0	0	5	END5192	MS THESIS II	C	0	0	0	0	25
END5191	MS THESIS I	C	0	0	0	0	18								
END5000	RESEARCH TECHNIQUES AND PUBLICATION ETHICS IN INDUSTRIAL ENGINEERING	C	2	0	0	2	2								
		Total Credits/ECTS				**2**	**30**			**Total Credits/ECTS**				**0**	**30**

TOTAL CREDITS: 26 - TOTAL ECTS: 120

Note: The student is expected to register at least 30 ECTS compulsory and elective courses in every academic term. In terms I and II, minimum 8 courses must be taken from C and E groups in total.

(*) The student has the option of choosing one elective course from another department with the approval of the supervisor and Head of Department.

An elective course from the doctorate program of the department is accepted as out of field course.

Head of Industrial Engineering Department
Prof. Dr. Erdal EMEL

Director of Institute
Prof. Dr. Hüseyin Aksel EREN

BURSA ULUDAĞ UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
2021-2022 ACADEMIC YEAR COURSE PLAN (ELECTIVE COURSES)

FR 1.1.1_02

DEPARTMENT OF	INDUSTRIAL ENGINEERING
DEPARTMENT / PROGRAM	**INDUSTRIAL ENGINEERING** / Master's Degree Program

I. TERM / FALL								II. TERM / SPRING							
Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS
END5113	COMPUTER AND MANUFACTURING	E	3	0	0	3	7.5	END5110	PRODUCTION SYSTEMS	E	3	0	0	3	7.5
END5115	SIMULATION ANALYSIS	E	3	0	0	3	7.5	END5112	JOB SEQUENCING AND SCHEDULING	E	3	0	0	3	7.5
END5121	DESIGN AND ANALYSIS OF ALGORITHMS	E	3	0	0	3	7.5	END5114	ANALYSIS OF INVENTORY SYSTEMS	E	3	0	0	3	7.5
END5123	HEURISTIC ALGORITHMS	E	3	0	0	3	7.5	END5116	FACILITY LOCATION AND LAYOUT	E	3	0	0	3	7.5
END5131	TOTAL QUALITY MANAGEMENT	E	3	0	0	3	7.5	END5132	ENGINEERING ECONOMY	E	3	0	0	3	7.5
END5151	STATISTICAL DATA ANALYSIS	E	3	0	0	3	7.5	END5134	TECHNOLOGY MANAGEMENT	E	3	0	0	3	7.5
END5153	EXPERIMENTAL DESIGN	E	3	0	0	3	7.5	END5136	STRATEGIC DECISION SUPPORT SYSTEMS	E	3	0	0	3	7.5
END5155	STOCHASTIC PROCESSES	E	3	0	0	3	7.5	END5156	RELIABILITY ENGINEERING	E	3	0	0	3	7.5
END5117	MANUFACTURING PROCESSES CONTROL	E	3	0	0	3	7.5	END5140	NOISE IMPACT ENGINEERING	E	3	0	0	3	7.5
END5119	SUSTAINABLE ENGINEERING	E	3	0	0	3	7.5	END5138	MULTICRITERIA DECISION MAKING	E	3	0	0	3	7.5
END5161	DATA MINING	E	3	0	0	3	7.5	END5122	EMBEDDED OPTIMIZATION TECHNIQUES	E	3	0	0	3	7.5
								END5124	CONSTRAINT PROGRAMMING	E	3	0	0	3	7.5
								END5162	APPLIED MACHINE LEARNING	E	2	0	1	3	7.5

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