

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

FR 1.1.1_02

DEPARTMENT OF INDUSTRIAL ENGINEERING																
DEPARTMENT / PROGRAM INDUSTRIAL ENGINEERING / Doctoral Program																
	I. TERM / FALL							II. TERM / SPRING								
STAGE	Code	Course Title	Type	T	U L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS	
ΓA	END6101	LINEAR PROGRAMMING	С	3	0 0	3	7.5	END6102	INTEGER PROGRAMMING	C	3	0	0	3	7.5	
	END	ELECTIVE COURSE	Е	3	0 0	3	7.5	END6112	ADVANCED SIMULATION TECHNIQUES	С	3	0	0	3	7.5	
SSI	END	ELECTIVE COURSE	Е	3	0 0	3	7.5	END	ELECTIVE COURSE	Е	3	0	0	3	7.5	
COURSE		ELECTIVE COURSE *	Е	3	0 0	3	7.5		ELECTIVE COURSE *	Е	3	0	0	3	7.5	
C												لــــا	Щ			
		To	tal Cred	its/E	CTS	12	30	Total Credits/ECTS 12 30								
	III. TERM / FALL							IV. TERM / SPRING								
	FEN6000	RESEARCH TECHNIQUES AND PUBLICATION ETHICS	С	2	0 0	2	2	END6182	ADVANCED TOPICS IN PHD THESIS I	С	3	0	0	0	5	
	END6171	SEMINAR	С	0	0 0	0	5	END6192	PHD THESIS I	С	0	0	0	0	25	
	YET6177	PHD PROFICIENCY EXAMINATION **	С	0	0 0	0	23									
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THESIS		Total Credits/ECTS 2 30							Total Credits/ECTS 0 30							
IH		V. TERM / FALL							VI. TERM / SPRING							
	END6183	ADVANCED TOPICS IN PHD THESIS II	С	4	0 0	0	5	END6184	ADVANCED TOPICS IN PHD THESIS III	С	4	0	0	0	5	
STAGE	END6193	PHD THESIS II	С	0	0 0	0	25	END6194	PHD THESIS III	С	0	0	0	0	25	
ST																
		To	tal Cred	30	Total Credits/ECTS 0 30							30				
	VII. TERM / FALL								VIII. TERM / SPRING							
	END6185	ADVANCED TOPICS IN PHD THESIS IV	C	4	0 0	0	5	END6186	ADVANCED TOPICS IN PHD THESIS V	С	4	0	0	0	5	
	END6195	PHD THESIS IV	C	0	0 0	0	25	END6196	PHD THESIS V	C	0	0	0	0	25	
	Total Credits/ECTS 0 30									Total Cred	lits/l	EC'	TS	0	30	
TOTAL CREDITS: 26 - TOTAL ECTS: 240																

Note: The student is expected to take a total of 12 credits (30 ECTS) compulsory and elective courses per term, in terms I and II. The prerequisites of all courses are the courses in C and E groups in the Master's Program or their equivalents. The consents of the student's supervisor and the course instructor are taken for satisfying the prerequisites of the courses.

Head of Industrial Engineering Department Prof. Dr. Erdal EMEL Director of Institute Prof. Dr. Hüseyin Aksel EREN

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

^(**) Success in Ph.D. proficiency exam is a prerequisite for registering the courses specified in the 3rd term and the following terms.



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 / Doctoral 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
	END6105	DYNAMIC PROGRAMMING	Е	3	0	0	3	7.5	END6104	NONLINEAR PROGRAMMING	Е	3	0	0	3	7.5
	END6113	SUPPLY CHAIN MANAGEMENT	Е	3	0	0	3	7.5	END6108	COMPLEXITY ANALYSIS	Е	3	0	0	3	7.5
	END6115	MANAGEMENT OF INTEGRATED MANUFACTURING SYSTEMS	Е	3	0	0	3	7.5	END6114	DESIGN OF INTEGRATED MANUFACTURING SYSTEMS	Е	3	0	0	3	7.5
GE	END6117	MANAGEMENT OF PRODUCT DESIGN	Е	3	0	0	3	7.5	END6116	ADVANCED TOPICS IN QUALITY CONTROL	Е	3	0	0	3	7.5
STAC	END6123	DEEP NEURAL NETWORKS	E E	3	0	0	<mark>3</mark>	<mark>7.5</mark>	END6122	ARTIFICIAL INTELLIGENCE	Е	3	0	0	3	7.5
	END6131	FINANCIAL ENGINEERING	Е	3	0	0	3	7.5	END6142	PHYSIOLOGY AND PSYCHOLOGY IN ERGONOMICS	Е	3	0	0	3	7.5
COURSE	END6141	HUMAN-MACHINE SYSTEMS	Е	3	0	0	3	7.5	END6144	ERGONOMICS IN PRODUCT DESIGN	Е	3	0	0	3	7.5
00	END6107	MULTI-OBJECTIVE OPTIMIZATION	Е	3	0	0	3	7.5	END6126	ADVANCED DATA MINING	Е	3	0	0	3	7.5
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