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ULUDAĞ UNIVERSITY INSTITUTE OF NATURAL SCIENCES 2017-2018 ACADEMIC YEAR COURSE PLAN

DEPARTMENT OF Textile Engineering

DEPARTMENT / PROGRAM Textile Engineering / Master's Degree Program

		I. TERM / FALL				II. TERM / SPRING										
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	Т	U	L	Credit	t ECTS
TI	EK5191	MA THESIS I	Z	0	1	0	0	1	TEK5192	MA THESIS II	Z	0	1	0	0	1
TI	EK5001	APPLIED MATHEMATICS	Z	3	0	0	3	6	TEK5172	SEMINAR	Z	0	2	0	0	4
TI	EK5005	EXPEIMENTAL DESIGN IN TEXTILE RESEARCH	Z	3	0	0	3	6	TEK5004	MECHANICAL PROPERTIES OF TEXTILE FIBRES	Z	3	0	0	3	6
									TEK5000	RESEARCH TECHNIQUES and PUBLICATION ETHICS in TEXTILE ENGINEERING	Z	2	0	0	2	2
TE	EK5181	ADVANCED TOPICS IN MA THESIS I	S	4	0	0	0	5	TEK5182	ADVANCED TOPICS IN MA THESIS II	S	4	0	0	0	5
TI	EK5003	THEORY OF COLOURATION OF TEXTILE MATERIALS	S	3	0	0	3	6	TEK5016	BEST AVAİLABLE TECHNOLOGY İN TEXTILE FINISHING II	S	3	0	0	3	6
TI TI	EK5007	FANCY YARN TECHNOLOGY	S	3	0	0	3	6	TEK5018	DIGITAL PRINTING TECHNOLOGIES AND TEXTILE APPLICATION	S	3	0	0	3	6
COURSE STAGE	EK5015	BEST AVAİLABLE TECHNOLOGY İN TEXTILE FINISHING I	S	3	0	0	3	6	TEK5002	COLOUR CHEMISTRY	S	3	0	0	3	6
	EK5017	HIGH FREQUENCY HEATING TECH.AND TEXTILE APPLICATIONS	S	3	0	0	3	6	TEK5024	TEXTILE COATING AND LAMINATING TECHNOLOGIES	S	3	0	0	3	6
TI	EK5019	PLASMA APPLICATION TO TEXTILE MATERIALS	S	3	0	0	3	6	TEK5012	TEXTILE FINISHING AUXILLIARIES	S	3	0	0	3	6
TI	EK5021	YARN GEOMETRY	S	3	0	0	3	6	TEK5028	PRODUCTION PLANNING AND COST IN SPINNING MILLS	S	3	0	0	3	6
TI	EK5023	YARN DYEING TECHNOLOGY	S	3	0	0	3	6	TEK5030	NEW SPINNING SYSTEMS	S	3	0	0	3	6
TI	EK5025	KNITTED FABRIC DESIGN AND PRODUCT DEVELOPMENT	S	3	0	0	3	6	TEK5032	FUNCTIONAL FINISHING	S	3	0	0	3	6
TI	EK5027	COMPUTER CONTROL SYSTEM DESIGN IN TEXTILES	S	3	0	0	3	6	TEK5006	ADVANCED YARN TECHNOLOGY	S	3	0	0	3	6
TI	EK5031	CLOTHING COMFORT	S	3	0	0	3	6	TEK5008	FIBER REINFORCED COMPOSITE MATERIALS	S	3	0	0	3	6
TI	EK5035	SURFACE PROPERTIES AND MODIFICATION OF TEXTILE FIBERS	S	3	0	0	3	6	TEK5040	FUNCTIONAL POLYMERS	S	3	0	0	3	6
TE	EK 5049	CHEMISTRY OF POLYMERS	S	3	0	0	3	6	TEK 5048	RESEARCH METHODOLOGY IN TEXTILES	S	3	0	0	3	6

	I. TERM / FALL						II. TERM / SPRING									
Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L Cred	t ECTS		
TEK5037	POST OPERATIONS IN YARN TECHNOLOGY	S	3	0	0	3	6	TEK 5036	TECHNICAL TEXTILE YARNS	S	3	0	0 3	6		
TEK5039	MODERN CHARACTERIZATION METHODS IN ENGINEERING APPLICATION	S	3	0	0	3	6	TEK 5042	ADVANCED WOVEN FABRIC DESIGN TECHNIQUES AND STRUCTURES	S	3	0	0 3	6		
TEK 5041	WOVEN FABRIC GEOMETRY AND MECHANICS	S	3	0	0	3	6	TEK 5044	REACTION MECHANISMS ON TEXTILE TREATMENT	S	3	0	0 3	6		
TEK 5043	PHYSICAL POLYMER SCIENCE	S	3	0	0	3	6	TEK 5046	PROTECTIVE CLOTHING SYSTEMS	S	3	0	0 3	6		
TEK 5045	CLOTHING QUALITY	S	3	0	0	3	6									
TEK 5047	KNİTTED TECHNİCAL TEXTİLES	S	3	0	0	3	6									
	Total Credits												11	30		

SI	Y III. TERM / FALL								IV. TERM / SPRING								
HES	Code	Course Title	Type	T	U L	Credit	ECTS	Code	Course Title	Type	T U	L Cred	lit ECTS				
E TI	TEK5183	ADVANCED TOPICS IN MA THESIS III	Z	4 (0 0	0	5	TEK5184	ADVANCED TOPICS IN MA THESIS IV	Z	4 0	0 0	5				
AG	TEK5193	MA THESIS III	Z	0	1 0	0	25	TEK5194	MA THESIS IV	Z	0 1	0 0	25				
\mathbf{S}			Tota	l Cr	edits	0	30			To	tal Cred	lits 0	30				
			TO	TA	L CI	REDITS	: 23	- TOTAL	ECTS: 120								

Not: The student is expected to take a total of credited selective courses every academic term.

The student have the option of choosing one selective course from another department with the endorsement of the supervisor.



ULUDAĞ UNIVERSITY INSTITUTE OF NATURAL SCIENCES 2017-2018 ACADEMIC YEAR COURSE PLAN

DEPARTMENT OF Textile Engineering

DEPARTMENT / PROGRAM | Textile Engineering / Doctoral Program

DE	PARTMEN	T / PROGRAM Textile Engineering / Do I. TERM / FALL	octoral F	rogi	am					II. TERM / SPRING						
								1	1				<u> </u>			
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS
	TEK6191	PHD THESIS I	Z	0	1	0	0	1	TEK6192	PHD THESIS I	Z	0	1	0	0	1
	TEK6001	THEORY OF FIBRE FORMATION	Z	3	0	0	3	5	TEK6172	SEMINAR	Z	0	2	0	0	4
									FEN6000	RESEARCH TECHNIQUES and PUBLICATION ETHICS	Z	2	0	0	2	2
	TEK6181	ADVANCED TOPICS IN PHD THESIS I	S	4	0	0	0	5	TEK6182	ADVANCED TOPICS IN PHD THESIS II	S	4	0	0	0	5
	TEK6009	JEO-TEXTILE MATERIALS	S	3	0	0	3	6	TEK6006	WEAVING MACHINERY MECHANICS	S	3	0	0	3	6
	TEK6011	INDUSTRİAL LAUNDRY TECHNOLOGY	S	3	0	0	3	6	TEK6008	MECHANICAL PROPERTIES OF YARNS	S	3	0	0	3	6
	TEK6013	NEW TECHNOLOGIES IN TEXTILE FINISHING	S	3	0	0	3	6	TEK6010	COLOUR PHYSICS	S	3	0	0	3	6
COURSE STAGE	TEK6015	ADVANCED CHARACTERİZATION METHODS IN ENGINEERING APPLICATION	S	3	0	0	3	6	TEK6012	TEXTILE MATERIALS FOR BIOMEDICAL APPLICATION	S	3	0	0	3	6
URSE	TEK6017	APPLICATIONS OF NONWOVENS IN TECHNICAL TEXTILES	S	3	0	0	3	6	TEK6016	SCIENTIFIC WRITING	S	3	0	0	3	6
CO	TEK6019	POLYMER RHEOLOGY AND PROCESSES	S	3	0	0	3	6	TEK 6018	POLYMER NANOCOMPOSITES	S	3	0	0	3	6
	TEK6021	OBJECTIVE EVALUATION OF FABRIC HAND	S	3	0	0	3	6	TEK 6020	ADVANCED REACTION MECHANISMS ON TEXTILE TREATMENT	S	3	0	0	3	6
			Topl	lam	Kr	edi	12	30			Topl	am	Kro	edi	11	30

		III. TERM / FALI			IV. TERM / SPRING												
	Code	Course Title	Type	T	U I	L C	redit	ECTS	Code	Course Title	Type	Т	U	L	Credit	ECTS	
	TEK6183	ADVANCED TOPICS IN PHD THESIS III	Z	4	0	0	0	5	TEK6184	ADVANCED TOPICS IN PHD THESIS IV	Z	4	0	0	0	5	
	TEK6193	PHD THESIS III	Z	0	0	0	0	15	TEK6194	PHD THESIS IV	Z	0	0	0	0	25	
	YET6177	PHD PROFICIENCY EXAMINATION	Z	0	0	0	0	10									
			Topl	am l	Crec	li	0	30	Toplam Kredi 0 30								
70		V. TERM / FALI								VI. TERM / SPRING	-						
SIS	Code	Course Title	Type	T	U I	L C	redit	ECTS	Code	Course Title	Type	Т	U	L	Credit	ECTS	
THESIS	TEK6185	ADVANCED TOPICS IN PHD THESIS V	Z	4	0	0	0	5	TEK6186	ADVANCED TOPICS IN PHD THESIS VI	Z	3	0	0	0	5	
STAGE	TEK6195	PHD THESIS V	Z	0	0	0	0	20	TEK6196	PHD THESIS VI	Z	0	0	0	0	25	
ST																	
			Topl	am l	Crec	li	0	30	Toplam Kredi 0 30								
		VII. TERM / FAL	L							VIII. TERM / SPRING							
	Code	Course Title	Type	T	U l	L C	redit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS	
	TEK6187	ADVANCED TOPICS IN PHD THESIS VII	Z	4	0	0	0	5	TEK6188	ADVANCED TOPICS IN PHD THESIS VIII	Z	3	0	0	0	5	
	TEK6197	PHD THESIS VII	Z	0	1	0	0	25	TEK6198	PHD THESIS VIII	Z	0	1	0	0	25	
			Topl	am l	Crec	li	0	30			Тор	lam	Kr	edi	0	30	
	·			TC	TA	L CF	REDIT	ΓS: 21	- TOI	TAL ECTS: 120							

Not: The student is expected to take a total of credited selective courses every academic term.

The student have the option of choosing one selective course from another department with the endorsement of the supervisor. *Success in Ph.D. qualifying exam is a prerequisite.