



ULUDAĞ UNIVERSITY
INSTITUTE OF NATURAL SCIENCES
2015-2016 ACADEMIC YEAR COURSE PLAN

DEPARTMENT OF

Textile Engineering

DEPARTMENT / PROGRAM

Textile 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
	TEK5191	MA THESIS I	Z	0	1	0	0	1	TEK5192	MA THESIS II	Z	0	1	0	0	1
	TEK5001	APPLIED MATHEMATICS	Z	3	0	0	3	6	TEK5172	SEMINAR (CLASS)	Z	0	2	0	0	5
	TEK5005	EXPERIMENTAL DESIGN IN TEXTILE RESEARCH	Z	3	0	0	3	6	TEK5004	MECHANICAL PROPERTIES OF TEXTILE FIBRES	Z	3	0	0	3	7
	TEK5181	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
	TEK5003	THEORY OF COLOURATION OF TEXTILE MATERIALS	S	3	0	0	3	6	TEK5016	BEST AVAILABLE TECHNOLOGY IN TEXTILE FINISHING II	S	3	0	0	3	6
	TEK5007	FANCY YARN TECHNOLOGY	S	3	0	0	3	6	TEK5018	DIGITAL PRINTING TECHNOLOGIES AND TEXTILE APPLICATION	S	3	0	0	3	6
	TEK5015	BEST AVAILABLE TECHNOLOGY IN TEXTILE FINISHING I	S	3	0	0	3	6	TEK5002	COLOUR CHEMISTRY	S	3	0	0	3	6
	TEK5017	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
	TEK5019	PLASMA APPLICATION TO TEXTILE MATERIALS	S	3	0	0	3	6	TEK5012	TEXTILE FINISHING AUXILIARIES	S	3	0	0	3	6
	TEK5021	YARN GEOMETRY	S	3	0	0	3	6	TEK5028	PRODUCTION PLANNING AND COST IN SPINNING MILLS	S	3	0	0	3	6
	TEK5023	YARN DYEING TECHNOLOGY	S	3	0	0	3	6	TEK5030	NEW SPINNING SYSTEMS	S	3	0	0	3	6
	TEK5025	KNITTED FABRIC DESIGN AND PRODUCT DEVELOPMENT	S	3	0	0	3	6	TEK5032	FUNCTIONAL FINISHING	S	3	0	0	3	6
	TEK5027	COMPUTER CONTROL SYSTEM DESIGN IN TEXTILES	S	3	0	0	3	6	TEK5006	ADVANCED YARN TECHNOLOGY	S	3	0	0	3	6
	TEK5031	CLOTHING COMFORT	S	3	0	0	3	6	TEK5008	FIBER REINFORCED COMPOSITE MATERIALS	S	3	0	0	3	6
	TEK5035	SURFACE PROPERTIES AND MODIFICATION OF TEXTILE FIBERS	S	2	2	0	3	6	TEK5040	TEXTILE APPLICATIONS of FUNCTIONAL POLYMERS	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	Credit	ECTS		
TEK5037	POST OPERATIONS IN YARN TECHNOLOGY	S	3	0	0	3	6	TEK5036	TECHNICAL TEXTILE YARNS	S	3	0	0	3	6		
TEK5039	MODERN CHARACTERIZATION METHODS IN ENGINEERING APPLICATION	S	2	2	0	3	6	TEK5038	KNITTED TECHNICAL TEXTILES	S	3	0	0	3	6		
TEK5041	WOVEN FABRIC GEOMETRY AND MECHANICS	S	2	2	0	3	6	TEK5042	ADVANCED WOVEN FABRIC DESIGN TECHNIQUES AND STRUCTURES	S	3	0	0	3	6		
TEK5043	PHYSICAL POLYMER SCIENCE	S	2	2	0	3	6	TEK5044	REACTION MECHANISMS ON TEXTILE TREATMENT	S	3	0	0	3	6		
TEK5045	CLOTHING QUALITY	S	2	2	0	3	6	TEK5046	PROTECTIVE CLOTHING SYSTEMS	S	3	0	0	3	6		
Total Credits							12	30	Total Credits							9	30

STAGE THESIS	III. TERM / FALL								IV. TERM / SPRING								
	TEK5173	SEMINAR (THESIS)	Z	0	2	0	0	5	TEK5184	ADVANCED TOPICS IN MA THESIS IV	Z	4	0	0	0	5	
	TEK5183	ADVANCED TOPICS IN MA THESIS III	Z	4	0	0	0	5	TEK5194	MA THESIS IV	Z	0	1	0	0	25	
	TEK5193	MA THESIS III	Z	0	1	0	0	20									
Total Credits							0	30	Total Credits							0	30
TOTAL CREDITS: 21 - 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.



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DEPARTMENT OF Textile Engineering
DEPARTMENT / PROGRAM Textile Engineering / Doctoral 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		
	TEK6191	PHD THESIS I	Z	0	1	0	0	1	TEK6192	PHD THESIS I	Z	0	1	0	0	1		
	FEN6001	RESEARCH METHODS	Z	2	0	0	2	4	TEK6172	SEMINAR (CLASS)	Z	0	2	0	0	4		
	TEK6001	THEORY OF FIBRE FORMATION	Z	3	0	0	3	5										
	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	5	TEK6006	WEAVING MACHINERY MECHANICS	S	2	2	0	3	5		
	TEK6011	INDUSTRIAL LAUNDRY TECHNOLOGY	S	3	0	0	3	5	TEK6008	MECHANICAL PROPERTIES OF YARNS	S	3	0	0	3	5		
	TEK6013	NEW TECHNOLOGIES IN TEXTILE FINISHING	S	3	0	0	3	5	TEK6010	COLOUR PHYSICS	S	3	0	0	3	5		
	TEK6015	ADVANCED CHARACTERIZATION METHODS IN ENGINEERING APPLICATION	S	3	0	0	3	5	TEK6012	TEXTILE MATERIALS FOR BIOMEDICAL APPLICATION	S	3	0	0	3	5		
	TEK6017	APPLICATIONS OF NONWOVENS IN TECHNICAL TEXTILES	S	3	0	0	3	5	TEK6016	SCIENTIFIC WRITTING	S	2	2	0	3	5		
	TEK6019	POLYMER RHEOLOGY AND PROCESSES	S	3	0	0	3	5	TEK 6018	POLYMER NANOCOMPOSITES	S	2	2	0	3	5		
	TEK6021	OBJECTIVE EVALUATION OF FABRIC HAND	S	3	0	0	3	5	TEK 6020	ADVANCED REACTION MECHANISMS ON TEXTILE TREATMENT	S	2	2	0	3	5		
	Toplam Kredi							14	30	Toplam Kredi							12	30

STAGE THESIS	III. TERM / FALL								IV. TERM / SPRING									
		TEK6183	ADVANCED TOPICS IN PHD THESIS III	Z	4	0	0	0	5	TEK6174	SEMINAR(THESIS)	Z	0	2	0	0	5	
	TEK6191	PHD THESIS III	Z	0	1	0	0	15	TEK6184	ADVANCED TOPICS IN PHD THESIS IV	Z	4	0	0	0	5		
	YET6177	PHD PROFICIENCY EXAMINATION	Z	0	0	0	0	10	TEK6192	PHD THESIS IV	Z	0	1	0	0	20		
	Toplam Kredi							0	30	Toplam Kredi							0	30
STAGE THESIS	V. TERM / FALL								VI. TERM / SPRING									
	ENS6121	DEVELOPMENT AND LEARNING	Z	3	0	0	0	5	ENS6122	PLANNING AND EVALUATION IN EDUCATION	Z	3	2	0	0	5		
	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		

TEK6193	PHD THESIS V	Z	0	1	0	0	20	TEK6194	PHD THESIS VI	Z	0	1	0	0	20				
Toplam Kredi								0	30	Toplam Kredi								0	30
VII. TERM / FALL								VIII. TERM / SPRING											
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				
TEK6195	PHD THESIS VII	Z	0	1	0	0	25	TEK6196	PHD THESIS VIII	Z	0	1	0	0	25				
Toplam Kredi								0	30	Toplam Kredi									
TOTAL CREDITS: 21 - TOTAL ECTS: 120																			

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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.

EK: 4/7