

ULUDAĞ UNIVERSITY
INSTITUTE OF NATURAL SCIENCES
2017-2018 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	Z	0	2	0	0	4
	TEK5005	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
	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 AUXILLIARIES	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	3	0	0	3	6	TEK5040	FUNCTIONAL POLYMERS	S	3	0	0	3	6
	TEK 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	Credit	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	KNITTED TECHNICAL TEXTILES	S	3	0	0	3	6								
Total Credits						12	30							11	30

STAGE THESIS	III. TERM / FALL								IV. TERM / SPRING							
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS
	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
	TEK5193	MA THESIS III	Z	0	1	0	0	25	TEK5194	MA THESIS IV	Z	0	1	0	0	25
Total Credits							0	30	Total Credits						0	30
TOTAL CREDITS: 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.

STAGE THESIS	III. TERM / FALL							IV. TERM / SPRING										
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	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										
	Toplam Kredi							0	30	Toplam Kredi							0	30
	V. TERM / FALL							VI. TERM / SPRING										
	Code	Course Title	Type	T	U	L	Credit	ECTS	Code	Course Title	Type	T	U	L	Credit	ECTS		
	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		
	TEK6195	PHD THESIS V	Z	0	0	0	0	20	TEK6196	PHD THESIS VI	Z	0	0	0	0	25		
Toplam Kredi							0	30	Toplam Kredi							0	30	
VII. TERM / FALL							VIII. TERM / SPRING											
Code	Course Title	Type	T	U	L	Credit	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			
Toplam Kredi							0	30	Toplam Kredi							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. *Success in Ph.D. qualifying exam is a prerequisite.