

FORM:1												
BURSA ULUDAĞ ÜNİVERSİTESİ												
2018-2019 EĞİTİM-ÖĞRETİM YILI												
DERS PLANLARI												
FAKÜLTE/YÜKSEKOKUL/KONSERVATUVAR/MESLEK YÜKSEKOKULU : MÜHENDİSLİK FAKÜLTESİ												
BÖLÜM/ PROGRAM: TEKSTİL MÜHENDİSLİĞİ												
I.YARIYIL/GÜZ YARIYILI						II.YARIYIL/BAHAR YARIYILI						
		HAFTALIK DERS SAATİ						HAFTALIK DERS SAATİ				
KOD	DERSİN ADI	T	U	L	AKTS	KOD	DERSİN ADI	T	U	L	AKTS	
ATA101	ATATÜRK İLKELERİ ve İNKILAP TARİHİ I	2	0	0	2	ATA102	ATATÜRK İLKELERİ ve İNKILAP TARİHİ II	2	0	0	2	
TUD101	TÜRK DİLİ I	2	0	0	2	TUD102	TÜRK DİLİ II	2	0	0	2	
TEK1003E	TECHNICAL ENGLISH I	2	0	0	2	TEK1004	TECHNICAL ENGLISH II	2	0	0	2	
MAT1071E	CALCULUS I	3	2	0	6	MAT1072E	CALCULUS I I	3	2	0	6	
FZK1071E	BASIC PHYSICS I	3	0	2	6	FZK1072E	BASIC PHYSICS II	3	0	2	6	
KIM1077	GENEL KİMYA	3	0	0	3	INS1012E	STATICS	3	0	0	4	
TEK1011	TEKSTİL MÜHENDİSLİĞİNE GİRİŞ	2	0	0	3	TEK1008E	INTRODUCTION TO MATERIAL SCIENCE	2	0	0	2	
MAK1003	TEKNİK RESİM	2	2	0	3	TEK1010	KİMYASAL LİFLER	3	1	0	4	
TEK1007	DOĞAL LİFLER	2	1	0	3	KIM1080	ORGANİK KİMYA	3	0	0	4	
YARIYIL KREDİSİ					30	YARIYIL KREDİSİ					32	
III.YARIYIL/GÜZ YARIYILI						IV.YARIYIL/BAHAR YARIYILI						
		HAFTALIK DERS SAATİ						HAFTALIK DERS SAATİ				
KOD	DERSİN ADI	T	U	L	AKTS	KOD	DERSİN ADI	T	U	L	AKTS	
MAT2083	DİFERANSİYEL DENKLEMLER	3	2	0	6	MAT2098	MÜHENDİSLİK MATEMATİĞİ	4	0	0	6	
MAT2017E	PROBABILITY AND STATISTICS	2	2	0	4	MAK2007	TERMODİNAMİK I	3	0	0	5	
BMB1002	BİLGİSAYAR PROGRAMLAMAYA GİRİŞ	2	0	2	6	TEK2012	KONFEKSİYONA GİRİŞ	2	0	0	4	
TEK2005	İPLİKÇİLİK ESASLARI	2	0	0	3	TEK2008	ÖRMECİLİK ESASLARI	2	0	0	4	
TEK2007	DOKUMACILIK ESASLARI	2	0	0	2	TEK2016	TEKSTİL TERBİYESİNE GİRİŞ	2	0	0	4	
TEK2017E	TEXTILE PHYSICS	2	0	0	3	INS2014	DİNAMİK	3	0	0	5	
TEK2011E	ELECTROTECHNOLOGY	2	0	0	3	ISG202	İŞ SAĞLIĞI VE GÜVENLİĞİ II	2	0	0	2	
TEK2013E	TEXTILE CHEMISTRY	2	0	1	3							
ISG201	İŞ SAĞLIĞI VE GÜVENLİĞİ I	2	0	0	2							
YARIYIL KREDİSİ					32	YARIYIL KREDİSİ					30	
V.YARIYIL/GÜZ YARIYILI						VI.YARIYIL/BAHAR YARIYILI						
		HAFTALIK DERS SAATİ						HAFTALIK DERS SAATİ				
KOD	DERSİN ADI	T	U	L	AKTS	KOD	DERSİN ADI	T	U	L	AKTS	
TEK3071	ÖRME TEKNOLOJİSİ	2	1	0	4	MAK3005E	HEAT TRANSFER	4	0	0	5	
TEK3073	İPLİK TEKNOLOJİSİ	3	1	0	4	TEK3066	DOKUMA TEKNOLOJİSİ	3	1	0	4	
MAK3001E	FLUID MECHANICS	4	0	0	5	TEK3072E	MECHANISMS	2	1	0	3	
TEK3085	KONFEKSİYON TEKNOLOJİSİ	2	1	0	4	TEK3064	TEKSTİLDE KALİTE KONTROL I	2	0	1	3	
						TEK3062	TERBİYE TEKNOLOJİSİ	3	0	1	4	
						TEK3074	TEKSTİLDE TASARIM YÖNTEMLERİ I	2	2	0	4	
	SEÇMELİ DERSLER						SEÇMELİ DERSLER					
	ALAN İÇİ SEÇMELİ I. GRUP (2 ADET)(Modül)				8		ALAN İÇİ SEÇMELİ I. GRUP (2 ADET)(Modül)				6	
	ALAN İÇİ SEÇMELİ II. GRUP (1 ADET)				3		ALAN İÇİ SEÇMELİ II. GRUP (1 ADET)				3	
	ALAN İÇİ SEÇMELİ III. GRUP (1 ADET)				4							
YARIYIL KREDİSİ					32	YARIYIL KREDİSİ					32	
VII.YARIYIL/GÜZ YARIYILI						VIII.YARIYIL/BAHAR YARIYILI						
		HAFTALIK DERS SAATİ						HAFTALIK DERS SAATİ				
KOD	DERSİN ADI	T	U	L	AKTS	KOD	DERSİN ADI	T	U	L	AKTS	
TEK4001	DOKUSUZ YÜZEYLER	2	0	0	2	TEK4070	SEMINER II	0	1	0	1	
TEK4003E	QUALITY CONTROL IN TEXTILES II	2	0	1	3	TEK4002	BİTİRME PROJESİ *	0	2	0	4	
TEK4075	TEKSTİLDE TASARIM YÖNTEMLERİ II	2	2	0	4	TEK4102	STAJ II	0	0	0	4	
TEK4069	SEMINER I	0	1	0	1	TEK4074	MÜHENDİSLİK ETİĞİ	1	0	0	2	
TEK4101	STAJ I	0	0	0	4	TEK4104	TEKSTİL LABORATUAR UYGULAMALARI II	0	0	2	3	
TEK4103	TEKSTİL LABORATUAR UYGULAMALARI I	0	0	2	3							
TEK4105	BİTİRME PROJESİ HAZIRLIK DERSİ*	0	1	0	1							
	SEÇMELİ DERSLER						SEÇMELİ DERSLER					
	ALAN İÇİ SEÇMELİ I. GRUP (2 ADET)(Modül)				6		ALAN İÇİ SEÇMELİ I. GRUP (2 ADET)(Modül)				8	
	ALAN İÇİ SEÇMELİ II. GRUP (1 ADET)				3		ALAN İÇİ SEÇMELİ II. GRUP (1 ADET)				3	
							ALAN İÇİ SEÇMELİ III. GRUP (1 ADET)				2	
	ALAN DIŞI SEÇMELİ DERS (1 ADET)	2	0	0	3		ALAN DIŞI SEÇMELİ DERS (1 ADET)	2	0	0	3	
YARIYIL KREDİSİ					30	YARIYIL KREDİSİ					30	

*: Her dönem açılabilir.

Doküman KOD: RİT-FR-ÖİD-12 Revizyon No:02

	AKTS
Toplam Seçmeli Ders Kredisi	71
Toplam Mezuniyet Kredisi (5/1 dahil)	248
Toplam Seçmeli Ders Kredi Oranı	28,63%

FORM :2
BURSA ULUDAĞ ÜNİVERSİTESİ
2018-2019 EĞİTİM-ÖĞRETİM YILI
SEÇMELİ DERSLER LİSTESİ

FAKÜLTE/YÜKSEKOKUL/KONSERVATUVAR: MÜHENDİSLİK FAKÜLTESİ
BÖLÜM/ PROGRAM : TEKSTİL MÜHENDİSLİĞİ

I.YARIYIL/GÜZ						II.YARIYIL/BAHAR									
ALAN İÇİ SEÇMELİ DERSLER				HAFTALIK DERS SAATİ		ALAN İÇİ SEÇMELİ DERSLER				HAFTALIK DERS SAATİ					
KOD	DERSİN ADI			K	U	L	AKTS	KOD	DERSİN ADI			K	U	L	AKTS
ALAN DIŞI SEÇMELİ DERSLER								ALAN DIŞI SEÇMELİ DERSLER							
	ALAN DIŞI SEÇMELİ I								ALAN DIŞI SEÇMELİ I						

III.YARIYIL/GÜZ						IV.YARIYIL/BAHAR									
ALAN İÇİ SEÇMELİ DERSLER				HAFTALIK DERS SAATİ		ALAN İÇİ SEÇMELİ DERSLER				HAFTALIK DERS SAATİ					
KOD	DERSİN ADI			K	U	L	AKTS	KOD	DERSİN ADI			K	U	L	AKTS
ALAN DIŞI SEÇMELİ DERSLER								ALAN DIŞI SEÇMELİ DERSLER							
ALAN DIŞI SEÇMELİ I								ALAN DIŞI SEÇMELİ I							

V.YARIYIL/GÜZ					VI.YARIYIL/BAHAR						
	ALAN İÇİ SEÇMELİ GRUP I	HAFTALIK DERS SAATİ					ALAN İÇİ SEÇMELİ GRUP I	HAFTALIK DERS SAATİ			
KOD	DERSİN ADI	K	Ü	L	AKTS	KOD	DERSİN ADI	K	Ü	L	AKTS
	LİF TEKNOLOJİSİ VE TEKNİK TEKSTİL UYGULAMALARI						LİF TEKNOLOJİSİ VE TEKNİK TEKSTİL UYGULAMALARI				
TEK3401	LİF OLUŞTURAN POLİMERLERİN YAPI VE ÖZELLİKLERİ	2	0	0	4	TEK3402	YENİ LİF ÜRETİM TEKNİKLERİ VE TEKSTÜRE TEKNOLOJİSİ	2	0	0	3
TEK3403	YÜKSEK PERFORMANSLI LİF ÜRETİMİ VE ÖZELLİKLERİ	2	0	0	4	TEK3404	TEKSTİL LİFLERİNE UYGULANAN MODİFİKASYON YÖNTEMLERİ	2	0	0	3
	İPLİK-KUMAŞ TEKNOLOJİSİ VE TASARIMI						İPLİK-KUMAŞ TEKNOLOJİSİ VE TASARIMI				
TEK3405	BİLGİSAYARLI KUMAŞ TASARIMI	2	0	0	4	TEK3406	ATKI ÖRMECİLİĞİ	2	0	0	3
TEK3407	DOKUMA KONSTRÜKSİYONU	2	0	0	4	TEK3018	YENİ İPLİKÇİLİK SİSTEMLERİ	2	0	0	3
	TEKSTİL TERBİYESİ, BİYOTEKNOLOJİ VE EKOLOJİ						TEKSTİL TERBİYESİ, BİYOTEKNOLOJİ VE EKOLOJİ				
TEK3075	ÖN TERBİYE	2	0	0	4	TEK3068	BOYAMA TEKNOLOJİSİ	2	0	0	3
TEK3409	KAPLAMA VE LAMİNASYON	2	0	0	4	TEK3412	TEKSTİL TERBİYESİNDE YARDIMCI KİMYASALLAR	2	0	0	3
	KONFEKSİYON TEKNOLOJİSİ						KONFEKSİYON TEKNOLOJİSİ				
TEK3413	KONFEKSİYON MAKİNELERİ	2	0	0	4	TEK3042	İŞ VE ZAMAN ETÜDÜ	2	0	0	3
TEK3415	KONFEKSİYONDA MALZEME BİLGİSİ	2	0	0	4	TEK3408	DİKİŞ İPLİĞİ ÜRETİM VE ÖZELLİKLERİ	2	0	0	3
	ALAN İÇİ SEÇMELİ GRUP II						ALAN İÇİ SEÇMELİ GRUP II				
TEK3033	YÜN İPLİKÇİLİĞİ	2	0	0	3	TEK3034	POLİPROPİLEN LİFLERİNİN ÜRETİMİ VE ÖZELLİKLERİ	2	0	0	3
TEK3035	POLYESTER LİFLERİNİN ÜRETİMİ VE ÖZELLİKLERİ	2	0	0	3	TEK3038	SENTETİK LİFLERİN TERBİYESİ VE BOYANMASI	2	0	0	3
TEK3039	DOĞAL VE REJENERE LİFLERİN TERBİYESİ VE BOYANMASI	2	0	0	3	TEK3050	YUVARLAK ÖRME TEKNOLOJİSİ	2	0	0	3
TEK3055	TEKSTÜRE İPLİK TEKNOLOJİSİ	2	0	0	3	TEK3056	POLİMER KİMYASINA GİRİŞ	2	0	0	3
TEK3057	POLİMER BİLİMİ VE TEKNOLOJİLERİ	2	0	0	3	TEK3078	MEKATRONİK	2	0	0	3
TEK3077	NANOLİF ÜRETİM YÖNTEMLERİ VE UYGULAMA ALANLARI	2	0	0	3	TEK3086	TASARIM İLKELERİ ve METOTLARI	2	0	0	3
TEK3093	ORGANİK TEKSTİL ÜRETİMİ VE SERTİFİKASYONU	2	0	0	3	TEK3092	NANOTEKNOLOJİYE GİRİŞ	2	0	0	3
TEK3095	TEKSTİL TERBİYE İŞLETMELERİNDE SU KALİTESİ VE HAZIRLANMASI	2	0	0	3	TEK3096	TEKSTİLLER İÇİN MODERN KARAKTERİZASYON YÖNTEMLERİ	2	0	0	3
TEK3097	TEKSTİLLER İÇİN STANDART TEST YÖNTEMLERİ	2	0	0	3	TEK3418	BOYAHANE LABORATUVARI VE BOYAHANE OTOMASYON SİSTEMLERİ	2	0	0	3
TEK3099	TASARIM SİSTEMİ ve YÖNETİMİ	2	0	0	3						
	İNGİLİZCE SEÇMELİ DERSLER *						İNGİLİZCE SEÇMELİ DERSLER *				
TEK3015	TECHNICAL TEXTILES	2	0	0	3	TEK3028	BASIC CONCEPTS IN TEXTILE WET PROCESSING	2	0	0	3
TEK3101	POLYMER SCIENCE AND TECHNOLOGIES	2	0	0	3	TEK3098	INTRODUCTION TO NANOTECHNOLOGY	2	0	0	3
	ALAN İÇİ SEÇMELİ GRUP III										
TEK3003	MAKİNE ELEMENLARI	2	0	0	4						
TEK3081	SAYISAL ANALİZ	2	0	0	4						
TEK3091	OTOMATİK KONTROL	2	0	0	4						
	ALAN DIŞI SEÇMELİ DERSLER						ALAN DIŞI SEÇMELİ DERSLER				
	TOPLAM KREDİ				15		TOPLAM KREDİ				9

VİLYARIYIL/GÜZ						VIII.YARIYIL/BAHAR					
	ALAN İÇİ SEÇMELİ GRUP I	HAFTALIK DERS SAATİ					ALAN İÇİ SEÇMELİ GRUP I	HAFTALIK DERS SAATİ			
KOD	DERSİN ADI	T	U	L	AKTS	KOD	DERSİN ADI	T	U	L	AKTS
	LİF TEKNOLOJİSİ VE TEKNİK TEKSTİL UYGULAMALARI						LİF TEKNOLOJİSİ VE TEKNİK TEKSTİL UYGULAMALARI				
TEK4401	LİF TAKVİYELİ KOMPOZİT MALZEMELER	2	0	0	3	TEK4402	ENDÜSTRİYEL TEKSTİLLER	2	0	0	4
TEK4403	TIBBİ TEKSTİLLER	2	0	0	3	TEK4404	JEOTEKSTİLLER	2	0	0	4
	İPLİK-KUMAŞ TEKNOLOJİSİ VE TASARIMI						İPLİK-KUMAŞ TEKNOLOJİSİ VE TASARIMI				
TEK4405	KİMYASAL LİFLERİN RİNG İPLİKÇİLİĞİNDE İŞLENMESİ	2	0	0	3	TEK4414	ÇÖZGÜLÜ ÖRME TEKNOLOJİSİ	2	0	0	4
TEK4043	DOKUMA MAKİNELERİ	2	0	0	3	TEK4026	FANTAZİ İPLİK ÜRETİMİ VE ÖZELLİKLERİ	2	0	0	4
	TEKSTİL TERBİYESİ, BİYOTEKNOLOJİ VE EKOLOJİ						TEKSTİL TERBİYESİ, BİYOTEKNOLOJİ VE EKOLOJİ				
TEK4007	BASKI TEKNOLOJİSİ	2	0	0	3	TEK4006	BİTİM İŞLEMLERİ	2	0	0	4
TEK4411	TEKSTİL TERBİYESİNDE BİYOTEKNOLOJİK VE BİYOMİMETİK UYGULAMALAR	2	0	0	3	TEK4412	TEKSTİL TERBİYE İŞLETMELERİNDE EKOLOJİK YAKLAŞIMLAR	2	0	0	4
	KONFEKSİYON TEKNOLOJİSİ						KONFEKSİYON TEKNOLOJİSİ				
TEK4091	KONFEKSİYONDA MALİYET HESAPLARI	2	0	0	3	TEK4050	KONFEKSİYON İŞLETMELERİNDE KALİTE KONTROL	2	0	0	4
TEK4049	KONFEKSİYONDA ORGANİZASYON VE PLANLAMA	2	0	0	3	TEK4066	ÖZEL AMAÇLI KONF. ÜRÜNLERİNİN TASARIMI VE ÜRETİM ÖZELLİKLERİ	2	0	0	4
	ALAN İÇİ SEÇMELİ GRUP II						ALAN İÇİ SEÇMELİ GRUP II				
TEK 4027	İPLİKÇİLİKTE KALİTE İYİLEŞTİRME VE OPTİMİZASYON	2	0	0	3	TEK4016	İSTATİSTİK ANALİZ METOTLARI	2	0	0	3
TEK 4033	BİOAKTİF LİFLER VE UYGULAMA ALANLARI	2	0	0	3	TEK4034	JAKARLI DOKUMA KUMAŞ TASARIMI	1	2	0	3
TEK 4045	ÇEVRE DOSTU ÜRETİM (TEMİZ ÜRETİM)	2	0	0	3	TEK4044	DOKUMA TEKNİKLERİ VE MAKİNELERİ	2	0	0	3
TEK 4047	AKILLI TEKSTİLLER	2	0	0	3	TEK4046	TEKSTİL İŞLETMELERİNDE ENERJİ VE SU TASARRUFU	2	0	0	3
TEK 4057	RENK ÖLÇÜM SİSTEMLERİ VE STANDARTLARI	2	0	0	3	TEK4048	LİF TEKNOLOJİSİNDE SON GELİŞMELER	2	0	0	3
TEK 4061	TEKSTİL LİFLERİNİN YAPI VE ANALİZİ	2	0	0	3	TEK4052	DOKUSUZ YÜZEY ÜRÜN GELİŞTİRME	2	0	0	3
TEK 4063	TEKSTİL TERBİYE PROSESLERİNDE HESAPLAMALAR	2	0	0	3	TEK4058	MİKROLİF MATERYALLERİN BOYANMASI	2	0	0	3
TEK 4065	AÇIK UÇ ROTOR İPLİKÇİLİK SİSTEMİ	2	0	0	3	TEK4062	TEKSTİLDE KOMPOZİTLER	2	0	0	3
TEK 4073	ELEKTRONİK TEKSTİLLER	2	0	0	3	TEK4064	TEKSTİL İŞLETMELERİNDE SÜREÇ YÖNETİMİ	2	0	0	3
TEK 4085	ARMÜRLÜ DOKUMA KUMAŞ TASARIMI	1	2	0	3	TEK4068	TEKSTİL İNK-JET BASKICILIĞI	2	0	0	3
TEK 4093	DOKUMA KUMAŞLARIN OLUŞUMU	2	0	0	3	TEK4084	TEKSTİLLERE ANTİMİKROBİYEL UYGULAMALAR	2	0	0	3
TEK 4095	DÜZ ÖRME TEKNOLOJİSİ	2	0	0	3	TEK4088	KORUNMA VE SAVUNMA AMAÇLI KULLANILAN TEKNİK TEKSTİLLER VE AKILLI TEKSTİLLER	2	0	0	3
						TEK4092	TEMEL İPLİK GEOMETRİSİ	2	0	0	3
						TEK4094	KROŞE MAKİNELERİNDE İPLİK VE YÜZEY OLUŞTURMA TEKNİKLERİ	2	0	0	3
						TEK4096	TEKNİK DİKİŞ İPLİKLERİ	2	0	0	3
						TEK4098	TEKSTİLDE BİYOMİMETİK UYGULAMALAR	2	0	0	3
						TEK4408	KESİKLİ LİF İPLİK İŞLETMELERİNDE ÜRETİM PLANLAMASI	2	0	0	3
						TEK4082	TEKSTİL LİFLERİNİN ANALİZ METODLARI	2	0	0	3
	İNGİLİZCE SEÇMELİ DERSLER*						İNGİLİZCE SEÇMELİ DERSLER*				
TEK4097	FUNCTIONAL POLYMERS IN TEXTILE	2	0	0	3	TEK4202	NONWOVEN PRODUCT DEVELOPMENT	2	0	0	3
						TEK4204	WEAVING MACHINERY AND TECHNIQUES	2	0	0	3
						TEK4206	DYEING OF MICROFIBER MATERIALS	2	0	0	3
							ALAN İÇİ SEÇMELİ GRUP III				
						TEK4004	DOKUMA ANALİZİ VE TASARIMI	1	1	0	2
						TEK4032	ÖRME ANALİZİ VE TASARIMI	1	1	0	2
						TEK4012	KİMYASAL TEKSTİL MUAYENELERİ	1	1	0	2
	ALAN DIŞI SEÇMELİ DERSLER						ALAN DIŞI SEÇMELİ DERSLER				
TEK4305	BİLİMSEL ARAŞTIRMA İLKE VE YÖNTEMLERİ	2	0	0	3	TEK4306	TEKNİK YAZIM VE SUNUM TEKNİKLERİ	2	0	0	3
TEK4301	BRİÇ	2	0	0	3	TEK4308	TOPLAM KALİTE YÖNETİMİ VE TEKSTİL ENDÜSTRİSİNDE UYGULAMALARI	2	0	0	3
TEK4309	TEMEL TASARIM	2	0	0	3	TEK4302	PERFORMANS DEĞERLENDİRME SİSTEMİ	2	0	0	3
						TEK4304	TÜRKİYE'DE AR-GE DESTEKLERİ	2	0	0	3
						TEK4310	MODA TASARIMI	2	0	0	3
	TOPLAM KREDİ				12		TOPLAM KREDİ				16

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*: Hem Türkçe ve hem de İngilizce olarak açılan derslerden sadece bir tanesi alınacaktır.

[illegible]

NOT : İlgili bölüm/program tarafından diğer bölüm/programlara verilen dersler yazılacaktır.

BURSA ULUDAĞ UNIVERSITY
2018-2019 ACADEMIC YEAR
CURRICULUM

FACULTY/VOCATIONAL SCHOOL : ENGINEERING FACULTY
DEPARTEMENT/ PROGRAM : TEXTILE ENGINEERING

I.TERM/FALL SEMESTER						II.TERM/SPRING SEMESTER							
		COURSE HOUR PER WEEK						COURSE HOUR PER WEEK					
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS		
ATA101	ATATURK'S PRINCIPALS and HISTORY of REVOLUTIONS I	2	0	0	2	ATA102	ATATURK'S PRINCIPALS and HISTORY of REVOLUTIONS II	2	0	0	2		
TUD101	TURKISH LANGUAGE I	2	0	0	2	TUD102	TURKISH LANGUAGE II	2	0	0	2		
TEK1003E	TECHNICAL ENGLISH I	2	0	0	2	TEK1005	TECHNICAL ENGLISH II	2	0	0	2		
MAT1071	CALCULUS I	3	2	0	6	MAT1072E	CALCULUS I I	3	2	0	6		
FZK1071	BASIC PHYSICS I	3	0	2	6	FZK1072E	BASIC PHYSICS II	3	0	2	6		
KIM1077	GENERAL CHEMISTRY	3	0	1	4	INS1012E	STATICS	3	0	0	4		
TEK1011	INTRODUCTION TO TEXTILE ENGINEERING	2	0	0	3	TEK1008E	INTRODUCTION TO MATERIAL SCIENCE	2	0	0	2		
MAK1003	TECHNICAL DRAWING	2	2	0	3	TEK1010	CHEMICAL FIBERS	3	1	0	4		
TEK1007	NATURAL FIBERS	2	1	0	3	KIM1080	ORGANIC CHEMISTRY	3	0	0	4		
	TERM CREDITS				30		TERM CREDITS				32		
III.TERM/FALL SEMESTER						IV.TERM/SPRING SEMESTER							
		COURSE HOUR PER WEEK						COURSE HOUR PER WEEK					
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS		
MAT2083	DIFFERENTIAL EQUATIONS	3	2	0	6	MAT2098	ENGINEERING MATHEMATICS	4	0	0	6		
MAT2017E	PROBABILITY AND STATISTICS	2	2	0	4	MAK2007	THERMODYNAMICS I	3	0	0	5		
BMB1002	INTRODUCTION TO COMPUTER PROGRAMMING	2	0	2	6	TEK2012	INTRODUCTION TO CLOTHING TECHNOLOGY	2	0	0	4		
TEK2005	PRINCIPLES OF SPINNING	2	0	0	3	TEK2008	FUNDAMENTALS OF KNITTING	2	0	0	4		
TEK2007	PRINCIPLES OF WEAVING	2	0	0	2	TEK2016	INTRODUCTION TO TEXTILE FINISHING	2	0	0	4		
TEK2017E	TEXTILE PHYSICS	2	0	0	3	INS2014	DYNAMICS	3	0	0	5		
TEK2011E	ELECTROTECHNOLOGY	2	0	0	3	ISG202	OCCUPATIONAL HEALTH AND SAFETY II	2	0	0	2		
TEK2013 E	TEXTILE CHEMISTRY	2	0	1	3								
ISG201	OCCUPATIONAL HEALTH AND SAFETY I	2	0	0	2								
	TERM CREDITS				32		TERM CREDITS				30		
V.TERM/FALL SEMESTER						VI.TERM/SPRING SEMESTER							
		COURSE HOUR PER WEEK						COURSE HOUR PER WEEK					
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS		
TEK3071	KNITTING TECHNOLOGY	2	1	0	4	MAK3005E	HEAT TRANSFER	4	0	0	5		
TEK3073	YARN TECHNOLOGY	3	1	0	4	TEK3072E	MECHANISMS	2	1	0	3		
MAK3001E	FLUID MECHANICS	4	0	0	5	TEK3066	WEAVING TECHNOLOGY	3	1	0	4		
TEK3085	CLOTHING TECHNOLOY	2	1	0	4	TEK3064	QUALITY CONTOL IN TEXTILES I	2	1	0	3		
						TEK3062	TEXTILE FINISHING TECHNOLOGIES	3	0	1	4		
						TEK3074	DESIGN METHODS IN TEXTILE I	2	2	0	4		
	<u>ELECTİVE COURSES</u>						<u>ELECTİVE COURSES</u>						
	FIELD COURSE GROUP I (2 items)				8		FIELD COURSE GROUP I				6		
	FIELD COURSE GROUP II (1 item)				3		FIELD COURSE GROUP II				3		
	FIELD COURSE GROUP III (1 item)				4								
	TERM CREDITS				32		TERM CREDITS				32		
VII.TERM/FALL SEMESTER						VIII.TERM/SPRING SEMESTER							
		COURSE HOUR PER WEEK						COURSE HOUR PER WEEK					
CODE	COURSE	T	A	L	ECTS	CODE	COURSE	T	A	L	ECTS		
TEK4001	NONWOVENS	2	0	0	2	TEK4070	SEMINAR II	0	1	0	1		
TEK4003E	QUALITY CONTOL IN TEXTILES II	2	0	1	3	TEK4002	SENIOR THESIS*	0	2	0	4		
TEK4075	DESIGN METHODS IN TEXTILE II	2	2	0	4	TEK 4102	INTERSHIP II	0	0	0	4		
TEK4069	SEMINAR I	0	1	0	1	TEK4074	ENGINEERING ETHICS	1	0	0	2		
TEK 4101	INTERSHIP I	0	0	0	4	TEK4104	TEXTILE LABORATUARY APPLICATIONS II	0	0	2	3		
TEK 4103	TEXTILE LABORATUARY APPLICATIONS I	0	0	2	3								
TEK4105	FINAL PROJECT FOR SENIOR THESIS*	0	1	0	1								
	<u>ELECTİVE COURSES</u>						<u>ELECTİVE COURSES</u>						
	FIELD COURSE GROUP I (2 items)				6		FIELD COURSE GROUP I				8		
	FIELD COURSE GROUP II (1 item)				3		FIELD COURSE GROUP II				3		
							FIELD COURSE GROUP III				2		
	NON-FIELD COURSE I (1 item)	2	0	0	3		NON-FIELD COURSE I	2	0	0	3		
	TERM CREDITS				30		TERM CREDITS				30		

* Can be opened every semester

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BURSA ULUDAĞ UNIVERSITY
2018-2019 ACADEMIC YEAR
ELECTIVE COURSES LIST

FACULTY : ENGINEERING

DEPARTMENT/PROGRAM : TEXTILE ENGINEERING

I.TERM/FALL SEMESTER						II.TERM/SPRING SEMESTER					
CODE	COURSE	COURSE HOUR PER WEEK				CODE	COURSE	COURSE HOUR PER WEEK			
		T	A	L	ECTS			T	A	L	ECTS
FIELD COURSES						FIELD COURSES					
NON-FIELD COURSES						NON-FIELD COURSES					
	TOTAL CREDITS						TOTAL CREDITS				

III.TERM/FALL SEMESTER						IV.TERM/SPRING SEMESTER					
CODE	COURSE	COURSE HOUR PER WEEK				CODE	COURSE	COURSE HOUR PER WEEK			
		T	A	L	ECTS			T	A	L	ECTS
FIELD COURSES						FIELD COURSES					
NON-FIELD COURSES						NON-FIELD COURSES					
V.TERM/FALL SEMESTER						VI.TERM/SPRING SEMESTER					
CODE	COURSE	COURSE HOUR PER WEEK				CODE	DERSİN ADI	COURSE HOUR PER WEEK			
		T	A	L	ECTS			T	A	L	ECTS
	FIELD COURSES GROUP I						FIELD COURSES GROUP I				
	APPLICATION OF TECHNICAL TEXTILES						APPLICATION OF TECHNICAL TEXTILES				
TEK3401	STRUCTURE AND PROPERTIES OF FIBER FORMING POLYMERS	2	0	0	4	TEK3402	NEW FIBER PRODUCTION TECHNIQUES AND TEXTURING TECHNOLOGY	2	0	0	3
TEK3403	PRODUCTION AND PROPERTIES OF HIGH PERFORMANCE FIBERS	2	0	0	4	TEK3404	MODIFACATION METHODS FOR TEXTILE FIBERS	2	0	0	3
	YARN-FABRIC TECHNOLOGY AND DESIGN						YARN-FABRIC TECHNOLOGY AND DESIGN				
TEK3405	COMPUTER AIDED FABRIC DESIGN	2	0	0	4	TEK3406	WEFT KNITTING	2	0	0	3
TEK3407	WEAVING CONSTRUCTION	2	0	0	4	TEK3018	NEW SPINNING SYSTEMS	2	0	0	3
	TEXTILE FINISHING, BIOTECHNOLOGY AND ECOLOGY						TEXTILE FINISHING, BIOTECHNOLOGY AND ECOLOGY				
TEK3409	PRE-TREATMENT	2	0	0	4	TEK3068	DYEING TECHNOLOGY	2	0	0	3
TEK3409	COATED AND LAMINATION	2	0	0	4	TEK3412	AUXILIARY CHEMICALS IN TEXTILE TREATMENTS	2	0	0	3
	CLOTHING TECHNOLOGY						CLOTHING TECHNOLOGY				
TEK3413	CLOTHING MACHINERY	2	0	0	4	TEK3042	WORK AND TIME MANAGEMENT	2	0	0	3
TEK3415	MATERIAL INFORMATION IN APPAREL	2	0	0	4	TEK3408	SEWING YARN PRODUCTION AND PROPERTIES	2	0	0	3
	FIELD COURSES GROUP II						FIELD COURSES GROUP II				
TEK3033	WOOL SPINNING	2	0	0	3	TEK3028	BASIC CONCEPTS IN TEXTILE WET PROCESSING*	2	0	0	3
TEK3035	PRODUCTION AND PROPERTIES OF POYESTER FIBERS	2	0	0	3	TEK3034	PRODUCTION AND PROPERTIES OF POLYPROPYLENE	2	0	0	3
TEK3039	TREATMENT AND DYEING OF NATURAL AND REGENERATED FIBERS	2	0	0	3	TEK3038	TREATMENT AND DYEING OF SYNTHETIC FIBERS	2	0	0	3
TEK3055	TEXTURED YARN TECHNOLOGY	2	0	0	3	TEK3050	CIRCULAR KNITTING TECHNOLOGY	2	0	0	3
TEK3057	POLYMER SCIENCE AND TECHNOLOGIES	2	0	0	3	TEK3056	INTRODUCTION TO POLYMER CHEMISTRY	2	0	0	3
TEK3077	NANOFIBER PRODUCTION METHODS AND APPLICATION FIELDS	2	0	0	3	TEK3078	MECHATRONİCS	2	0	0	3
TEK3099	DESIGN SYSTEM AND MANAGEMENT	2	0	0	3	TEK3086	DESIGN PRINCIPLES AND METHODS	2	0	0	3
TEK3093	ORGANIC TEXTILE PRODUCTION AND CERTIFICATION	2	0	0	3	TEK3096	MODERN CHARACTERIZATION METHODS FOR TEXTILES	2	0	0	3
TEK3095	WATER QUALITY AND PREPERATION IN TEXTILE FINISHING	2	0	0	3	TEK3418	DYE-HAUSES LABORATORY AND DYE-HAUSE AUTOMATION	2	0	0	3
TEK3097	STANDARD TEST METHODS FOR TEXTILES	2	0	0	3	TEK3092	INTRODUCTION TO NANOTECHNOLOGY	2	0	0	3
	ELECTICE COURSES IN ENGLISH						ELECTICE COURSES IN ENGLISH				
TEK3015	TECHNICAL TEXTILES	2	0	0	3	TEK3028	BASIC CONCEPTS IN TEXTILE WET PROCESSING	2	0	0	3
TEK3087	POLYMER SCIENCE AND TECHNOLOGIES	2	0	0	3	TEK3098	INTRODUCTION TO NANOTECHNOLOGY	2	0	0	3
	FIELD COURSES IN GROUP III						FIELD COURSES IN GROUP III				
TEK3003	MACHINE ELEMENTS	2	0	0	4						
TEK3081	NUMERICAL ANALYSIS	2	0	0	4						
TEK3091	AUTOMATIC CONTROL	2	0	0	4						
TEK3079	MECHATRONICS	2	0	0	4						
	NON-FIELD COURSES						NON-FIELD COURSES				
	NON-FIELD CORSE I						NON-FIELD CORSE I				
	TOTAL CREDITS				15		TOTAL CREDITS				9

VII TERM/FALL SEMESTER						VIII TERM/SPRING SEMESTER					
CODE	COURSE	COURSE HOUR PER WEEK				CODE	COURSE	COURSE HOUR PER WEEK			
		T	A	L	ECTS			T	A	L	ECTS
	FIELD COURSES GROUP I						FIELD COURSES GROUP I				
	APPLICATION OF TECHNICAL TEXTILES						APPLICATION OF TECHNICAL TEXTILES				
TEK4401	FIBER REINFORCED COMPOSITES	2	0	0	3	TEK4402	INDUSTRIAL TEXTILES	2	0	0	4
TEK4403	MEDICAL TEXTILES	2	0	0	3	TEK4404	GEOTEXTILES	2	0	0	4
	YARN-FABRIC TECHNOLOGY AND DESIGN						YARN-FABRIC TECHNOLOGY AND DESIGN				
TEK4405	SPINNING OF STAPLE CHEMICAL FIBERS IN THE RING SPINNING SYSTEM	2	0	0	3	TEK4414	WARP KNITTING TECHNOLOGY	2	0	0	4
TEK4043	WEAVING MACHINERY	2	0	0	3	TEK4026	PROPERTIES AND PRODUCTION OF FANCY YARNS	2	0	0	4
	TEXTILE FINISHING, BIOTECHNOLOGY AND ECOLOGY						TEXTILE FINISHING, BIOTECHNOLOGY AND ECOLOGY				
TEK4007	PRINTING TECHNOLOGY	2	0	0	3	TEK4006	FINISHING PROCESSES	2	0	0	4
TEK4411	BIOTECHNOLOGY AND BIOMIMETIC APPLICATIONS IN TEXTILE FINISHING	2	0	0	3	TEK4412	ECOLOGICAL APPROACHES IN TEXTILE FINISHING	2	0	0	4
	CLOTHING TECHNOLOGY						CLOTHING TECHNOLOGY				
TEK4091	CROST ACCOUNT IN CLOTHING	2	0	0	3	TEK4050	QUALITY CONTROL IN CLOTHING	2	0	0	4
TEK4049	ORGANIZATION AND PLANNING IN CLOTHING	2	0	0	3	TEK4066	DESIGN AND PRODUCTION SYSTEMS OF SPECIAL APPAREL PRODUCTS	2	0	0	4
	FIELD COURSES GROUP II						FIELD COURSES GROUP II				
TEK4027	QUALITY IMPROVEMENT AND OPTIMIZATION IN SPINNING	2	0	0	3	TEK4016	STATISTICAL ANALYSIS METHODS	2	0	0	3
TEK4033	BIOACTIVE FIBERS AND APPLICATION AREAS	2	0	0	3	TEK4034	DESIGN OF JACQUARD WOVEN FABRIC	2	0	0	3
TEK4045	ENVIRONMENTALLY FRIENDLY PRODUCTION (CLEANER PRODUCTION)	2	0	0	3	TEK4044	WEAVING MACHINERY AND TECHNIQUES	2	0	0	3
TEK4047	SMART TEXTILES	2	0	0	3	TEK4046	ENERGY AND WATER SAVINGS IN TEXTILE TREATMENT PLANTS	2	0	0	3
TEK4057	COLOR MEASUREMENT SYSTEMS AND STANDARDS	2	0	0	3	TEK4048	ADVANCES IN FIBER TECHNOLOGY	2	0	0	3
TEK4061	STRUCTURE AND ANALYSIS OF TEXTILE FIBERS	2	0	0	3	TEK4052	NONWOVEN PRODUCT DEVELOPMENT	2	0	0	3
TEK4063	CALCULATIONS IN TEXTILE WET PROCESSING	2	0	0	3	TEK4058	DYEING OF MICROFIBER MATERIALS	2	0	0	3
TEK4065	OPEN -END ROTOR SPINNING SYSTEMS	2	0	0	3	TEK4062	COMPOSITES IN TEXTILES	2	0	0	3
TEK4073	ELECTRONIC TEXTILES	2	0	0	3	TEK4064	PROCESS MANAGEMENT IN TEXTILE	2	0	0	3
TEK4085	DESIGN OF DOBBY WOVEN FABRIC	2	0	0	3	TEK4068	TEXTILE INK-JET PRINTING	2	0	0	3
TEK4093	FORMATION OF WOVEN FABRICS	1	2	0	3	TEK4084	ANTIMICROBIAL APPLICATIONS ON TEXTILES	2	0	0	3
TEK4095	FLAT KNITTING TECHNOLOGY	2	0	0	3	TEK4088	TECHNICAL TEXTILES FOR PROTECTION AND SMART TEXTILES	2	0	0	3
						TEK4092	BASIC YARN GEOMETRY	2	0	0	3
						TEK4094	YARN AND SURFACE FORMATION TECHNIQUES AT CROSETT MACHINES	2	0	0	3
						TEK4096	TECHNICAL SEWING YARNS	2	0	0	3
						TEK4408	PRODUCTION PLANNING IN STAPLE FIBER SPINNING MILLS	2	0	0	3
						TEK4082	ANALYSIS METHODS OF TEXTILE FIBERS	2	0	0	3
	ELECTIVE COURSES IN ENGLISH						ELECTIVE COURSES IN ENGLISH				
TEK4097	FUNCTIONAL POLYMERS IN TEXTILE	2	0	0	3	TEK4202	NONWOVEN PRODUCT DEVELOPMENT	2	0	0	3
						TEK4204	WEAVING MACHINERY AND TECHNIQUES	2	0	0	3
						TEK4206	DYEING OF MICROFIBER MATERIALS	2	0	0	3
							FIELD COURSES GROUP III				
						TEK4004	ANALYSIS AND DESIGN OF WOVEN	1	1	0	2
						TEK4032	ANALYSIS AND DESIGN OF KNITTED	1	1	0	2
						TEK4012	CHEMICAL TEXTILE ANALYSES	1	1	0	2
	NON-FIELD COURSES						NON-FIELD COURSES				
TEK4305	PRINCIPLES AND METHODS OF SCIENTIFIC RESEARCH	2	0	0	3	TEK 4306	TECHNICAL WRITING AND PRESENTATION	2	0	0	3
TEK4301	BRIDGE	2	0	0	3	TEK4308	TOTAL QUALITY MANAGEMENT AND APPLICATIONS IN TEXTILE INDUSTRY	2	0	0	3
TEK4309	BASIC DESIGN	2	0	0	3	TEK4302	PERFORMANCE ASSESSMENT SYSTEM	2	0	0	3
						TEK4304	R&D SUPPORTS IN TURKEY	2	0	0	3
						TEK4310	FASHION DESIGN	2	0	0	3
	TOTAL CREDITS				12		TOTAL CREDITS				16

FACULTY/VOCATIONAL SCHOOL : ENGINEERING FACULTY
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