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|  | | | **BURSA ULUDAĞ ÜNİVERSİTESİ**  **FEN BİLİMLERİ ENSTİTÜSÜ**  **2025-2026 EĞİTİM ÖĞRETİM YILI DERS PLANLARI** | | | | | | | | | | | | | **FR 1.1.1\_02** | | | |
| **ANABİLİM/ ANASANAT DALI** | | | | TEKSTİL MÜHENDİSLİĞİ | | | | | | | | | | | | | | | |
| **BİLİM/ SANAT DALI / PROGRAMI** | | | | YÜKSEK LİSANS PROGRAMI | | | | | | | | | | | | | | | |
| **DERS AŞAMASI** | **I. YARIYIL / GÜZ** | | | | | | | | | | | **II. YARIYIL / BAHAR** | | | | | | | |
| **Kodu** | **Dersin Adı** | | | **Türü** | **T** | | **U** | **L** | **Kredi** | **AKTS** | **Kodu** | **Dersin Adı** | **Türü** | **T** | **U** | **L** | **Kredi** | **AKTS** |
| TEK5191 | TEZ DANIŞMANLIĞI I | | | Z | 0 | | 1 | 0 | 0 | 1 | TEK5192 | TEZ DANIŞMANLIĞI II | Z | 0 | 1 | 0 | 0 | 1 |
| TEK5181 | YÜKSEK LİSANS UZMANLIK ALAN DERSİ I | | | Z | 4 | | 0 | 0 | 0 | 5 | TEK5182 | YÜKSEK LİSANS UZMANLIK ALAN DERSİ II | Z | 4 | 0 | 0 | 0 | 5 |
| TEK 5001 | UYGULAMALI MATEMATİK | | | S | 3 | | 0 | 0 | 3 | 6 | TEK5172 | SEMİNER | Z | 0 | 2 | 0 | 0 | 4 |
| TEK 5005 | TEKSTİL ARAŞTIRMALARINDA DENEYSEL TASARIM | | | S | 3 | | 0 | 0 | 3 | 6 | FEN5000 | TEKSTİL MÜHENDİSLİĞİNDE ARAŞTIRMA TEKNİKLERİ VE YAYIN ETİĞİ | Z | 2 | 0 | 0 | 2 | 2 |
| TEK5003 | TEKSTİL MATERYALLERİNİN RENKLENDİRME TEORİSİ | | | S | 3 | | 0 | 0 | 3 | 6 | TEK 5002 | ORGANİK BOYARMADDELER KİMYASI | S | 3 | 0 | 0 | 3 | 6 |
| TEK5007 | FANTAZİ İPLİK TEKNOLOJİSİ | | | S | 3 | | 0 | 0 | 3 | 6 | TEK 5004 | TEKSTİL LİFLERİNİN MEKANİK ÖZELLİKLERİ | S | 3 | 0 | 0 | 3 | 6 |
| TEK5015 | TEKSTİL TERBİYESİNDE EKOLOJİK YAKLAŞIMLAR I | | | S | 3 | | 0 | 0 | 3 | 6 | TEK 5006 | İLERİ İPLİK TEKNOLOJİSİ | S | 3 | 0 | 0 | 3 | 6 |
| TEK5019 | PLAZMA TEKNOLOJİSİNİN TEKSTİLDE UYGULAMALARI | | | S | 3 | | 0 | 0 | 3 | 6 | TEK 5008 | ELYAF TAKVİYELİ KOMPOZİT MALZEMELER | S | 3 | 0 | 0 | 3 | 6 |
| TEK5021 | İPLİK GEOMETRİSİ | | | S | 3 | | 0 | 0 | 3 | 6 | TEK5012 | TEKSTİL TERBİYE YARDIMCI KİMYASALLARI | S | 3 | 0 | 0 | 3 | 6 |
| TEK5023 | İPLİK BOYAMA TEKNOLOJİSİ | | | S | 3 | | 0 | 0 | 3 | 6 | TEK 5016 | TEKSTİL TERBİYESİNDE EKOLOJİK YAKLAŞIMLAR II | S | 3 | 0 | 0 | 3 | 6 |
| TEK5025 | ÖRME KUMAŞ TASARIMI VE ÜRÜN GELİŞTİRME | | | S | 3 | | 0 | 0 | 3 | 6 | TEK 5018 | DİJİTAL BASKI TEKNOLOJİLERİ VE TEKSTİL SANAYİNDEKİ UYGULAMALARI | S | 3 | 0 | 0 | 3 | 6 |
| TEK5027 | TEKSTİLDE BİLGİSAYAR KONTROLLÜ SİSTEM TASARIMI | | | S | 3 | | 0 | 0 | 3 | 6 | TEK5024 | TEKSTİL KAPLAMA VE LAMİNASYON TEKNOLOJİLERİ | S | 3 | 0 | 0 | 3 | 6 |
| TEK5031 | GİYSİ KONFORU | | | S | 3 | | 0 | 0 | 3 | 6 | TEK5030 | YENİ EĞİRME SİSTEMLERİ | S | 3 | 0 | 0 | 3 | 6 |
| TEK5035 | TEKSTİL LİFLERİNİN YÜZEY ÖZELLİKLERİ VE MODİFİKASYON YÖNTEMLERİ | | | S | 3 | | 0 | 0 | 3 | 6 | TEK5032 | FONKSİYONEL BİTİM İŞLEMLERİ | S | 3 | 0 | 0 | 3 | 6 |
| TEK5039 | MÜHENDİSLİK UYGULAMALARINDA MODERN KARAKTERİZASYON YÖNTEMLERİ | | | S | 3 | | 0 | 0 | 3 | 6 | TEK5036 | TEKNİK TEKSTİL İPLİKLERİ | S | 3 | 0 | 0 | 3 | 6 |
| TEK 5041 | DOKUMA KUMAŞ GEOMETRİSİ VE MEKANİĞİ | | | S | 3 | | 0 | 0 | 3 | 6 | TEK 5040 | FONKSİYONEL POLİMERLER | S | 3 | 0 | 0 | 3 | 6 |
| TEK 5043 | FİZİKSEL POLİMER BİLİMİ | | | S | 3 | | 0 | 0 | 3 | 6 | TEK 5042 | İLERİ DOKUMA KUMAŞ TASARIM TEKNİKLERİ VE YAPILARI | S | 3 | 0 | 0 | 3 | 6 |
| TEK 5045 | KONFEKSİYONDA KALİTE | | | S | 3 | | 0 | 0 | 3 | 6 | TEK 5044 | TEKSTİL TERBİYESİNDE REAKSİYON MEKANİZMALARI | S | 3 | 0 | 0 | 3 | 6 |
|  | **I. YARIYIL / GÜZ** | | | | | | | | | | | **II. YARIYIL / BAHAR** | | | | | | | |
| **Kodu** | **Dersin Adı** | | | **Türü** | **T** | **U** | | **L** | **Kredi** | **AKTS** | **Kodu** | **Dersin Adı** | **Türü** | **T** | **U** | **L** | **Kredi** | **AKTS** |
| TEK 5047 | ÖRME TEKNİK TEKSTİLLER | | | S | 3 | 0 | | 0 | 3 | 6 | TEK 5046 | KORUYUCU GİYSİ SİSTEMLERİ | S | 3 | 0 | 0 | 3 | 6 |
| TEK 5049 | POLİMER KİMYASI | | | S | 3 | 0 | | 0 | 3 | 6 | TEK 5048 | TEKSTİLDE ARAŞTIRMA METODOLOJİSİ | S | 3 | 0 | 0 | 3 | 6 |
| TEK5051 | İPLİK İŞLETMELERİNDE ÜRETİMPLANLAMASI VE MALİYET | | | S | 3 | 0 | | 0 | 3 | 6 | TEK 5050 | MALZEME BİLİMİNDE İLERİ KAVRAMLAR | S | 3 | 0 | 0 | 3 | 6 |
| TEK5053 | DOKUMA KUMAŞ MORFOLOJİSİ | | | S | 3 | 0 | | 0 | 3 | 6 | TEK5052 | ÇÖZGÜLÜ ÖRME KUMAŞ TASARIMI VE ÜRÜN GELİŞTİRME | S | 3 | 0 | 0 | 3 | 6 |
| TEK5055 | İLERİ BOYAMA PROSESLERİ | | | S | 3 | 0 | | 0 | 3 | 6 | TEK5054 | AKUSTİK TEKSTİLLER | S | 3 | 0 | 0 | 3 | 6 |
| TEK5057 | OPEN-END(AÇIK UÇ) ROTOR İPLİKÇİLİĞİ | | | S | 3 | 0 | | 0 | 3 | 6 | TEK 5056 | MESLEKİ YABANCI DİL | S | 3 | 0 | 0 | 3 | 6 |
| TEK5059 | TEKSTİLDE GERİ DÖNÜŞÜM TEKNOLOJİLERİ VE SÜRDÜRÜLEBİLİRLİK | | | S | 3 | 0 | | 0 | 3 | 6 |  |  |  |  |  |  |  |  |
| TEK5061 | SÜRDÜRÜLEBİLİR TEKSTİL LİFLERİNİN ELDESİ VE KARAKTERİZASYONU | | | S | 3 | 0 | | 0 | 3 | 6 |  |  |  |  |  |  |  |  |
| TEK5063 | ELEKTRONİK TEKSTİLLER | | | S | 3 | 0 | | 0 | 3 | 6 |  |  |  |  |  |  |  |  |
| **Toplam Kredi/AKTS** | | | | | | | | | **12** | **30** | **Toplam Kredi/AKTS** | | | | | | **11** | **30** |
| **TEZ AŞAMASI** | **III. YARIYIL / GÜZ** | | | | | | | | | | | **IV. YARIYIL / BAHAR** | | | | | | | |
| TEK5183 | YÜKSEK LİSANS UZMANLIK ALAN DERSİ III | | | Z | 4 | 0 | | 0 | 0 | 5 | TEK5184 | YÜKSEK LİSANS UZMANLIK ALAN DERSİ IV | Z | 4 | 0 | 0 | 0 | 5 |
| TEK5193 | TEZ DANIŞMANLIĞI III | | | Z | 0 | 1 | | 0 | 0 | 25 | TEK5194 | TEZ DANIŞMANLIĞI IV | Z | 0 | 1 | 0 | 0 | 25 |
|  |  | | |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **Toplam Kredi/AKTS** | | | | | | | | | **0** | **30** | **Toplam Kredi/AKTS** | | | | | | **0** | **30** |
| **TOPLAM KREDİ: 23 - TOPLAM AKTS: 120** | | | | | | | | | | | | | | | | | | | |
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| Prof. Dr. Dilek KUT  Anabilim/Anasanat Dalı Başkanı  (Unvan, Ad Soyad Tarih, İmza) | Prof. Dr. Ali KARA  Enstitü Müdürü  (Unvan, Ad Soyad, Tarih, İmza) |

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|  | | | **BURSA ULUDAĞ UNIVERSITY**  **GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  **2025-2026 ACADEMIC YEAR COURSE PLAN** | | | | | | | | | | | | | **FR 1.1.1\_02** | | | |
| **DEPARTMENT OF** | | | | TEXTILE ENGINEERING | | | | | | | | | | | | | | | |
| **DEPARTMENT / PROGRAM** | | | | 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 CONSULTING I | | | C | 0 | 1 | 0 | 0 | 1 | TEK5192 | MA THESIS CONSULTING II | C | 0 | 1 | | 0 | 0 | 1 |
| TEK5181 | ADVANCED TOPICS IN MA THESIS I | | | C | 4 | 0 | 0 | 0 | 5 | TEK5182 | ADVANCED TOPICS IN MA THESIS II | C | 4 | 0 | | 0 | 0 | 5 |
| TEK5001 | APPLIED MATHEMATICS | | | E | 3 | 0 | 0 | 3 | 6 | TEK5172 | SEMINAR | C | 0 | 2 | | 0 | 0 | 4 |
| TEK5005 | EXPEIMENTAL DESIGN IN TEXTILE RESEARCH | | | E | 3 | 0 | 0 | 3 | 6 | FEN5000 | RESEARCH TECHNIQUES and PUBLICATION ETHICS in TEXTILE ENGINEERING | C | 2 | 0 | | 0 | 2 | 2 |
|  |  | | |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| TEK5003 | THEORY OF COLOURATİON OF TEXTİLE MATERIALS | | | E | 3 | 0 | 0 | 3 | 6 | TEK5016 | BEST AVAILABLE TECHNOLOGY İN TEXTILE FINISHING II | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5007 | FANCY YARN TECHNOLOGY | | | E | 3 | 0 | 0 | 3 | 6 | TEK5018 | DIGITAL PRINTING TECHNOLOGIES AND TEXTILE APPLICATION | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5015 | BEST AVAILABLE TECHNOLOGY İN TEXTILE FINISHING I | | | E | 3 | 0 | 0 | 3 | 6 | TEK5002 | COLOUR CHEMISTRY | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5019 | PLASMA APPLICATION TO TEXTILE MATERIALS | | | E | 3 | 0 | 0 | 3 | 6 | TEK5024 | TEXTILE COATING AND LAMINATING TECHNOLOGIES | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5021 | YARN GEOMETRY | | | E | 3 | 0 | 0 | 3 | 6 | TEK5012 | TEXTILE FINISHING AUXILLIARIES | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5023 | YARN DYEING TECHNOLOGY | | | E | 3 | 0 | 0 | 3 | 6 | TEK5030 | NEW SPINNING SYSTEMS | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5025 | KNITTED FABRIC DESIGN AND PRODUCT DEVELOPMENT | | | E | 3 | 0 | 0 | 3 | 6 | TEK5032 | FUNCTIONAL FINISHING | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5027 | COMPUTER CONTROL SYSTEM DESİGN IN TEXTİLES | | | E | 3 | 0 | 0 | 3 | 6 | TEK5006 | ADVANCED YARN TECHNOLOGY | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5031 | CLOTHING COMFORT | | | E | 3 | 0 | 0 | 3 | 6 | TEK5008 | FIBER REINFORCED COMPOSITE MATERIALS | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5035 | SURFACE PROPERTIES AND MODIFICATION OF TEXTILE FIBERS | | | E | 3 | 0 | 0 | 3 | 6 | TEK5040 | FUNCTIONAL POLYMERS | E | 3 | 0 | | 0 | 3 | 6 |
| TEK 5193 | CHEMISTRY OF POLYMERS | | | E | 3 | 0 | 0 | 3 | 6 | TEK 5194 | RESEARCH METHODOLOGY IN TEXTILES | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5039 | MODERN CHARACTERIZATION METHODS IN ENGINEERING APPLICATION | | | E | 3 | 0 | 0 | 3 | 6 | TEK 5036 | TECHNICAL TEXTILE YARNS | E | 3 | 0 | | 0 | 3 | 6 |
| TEK 5041 | WOVEN FABRIC GEOMETRY AND MECHANICS | | | E | 3 | 0 | 0 | 3 | 6 | TEK 5042 | ADVANCED WOVEN FABRIC DESIGN TECHNIQUES AND STRUCTURES | E | 3 | 0 | | 0 | 3 | 6 |
| TEK 5043 | PHYSICAL POLYMER SCIENCE | | | E | 3 | 0 | 0 | 3 | 6 | TEK 5044 | REACTION MECHANISMS ON TEXTILE TREATMENT | E | 3 | 0 | | 0 | 3 | 6 |
| TEK 5045 | CLOTHING QUALITY | | | E | 3 | 0 | 0 | 3 | 6 | TEK 5046 | PROTECTIVE CLOTHING SYSTEMS | E | 3 | 0 | | 0 | 3 | 6 |

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|  | | | **I. TERM / FALL** | | | | | | | | | | | | | | | | | | | **II. TERM / SPRING** | | | | | | | | | | | | | | | |
| **Code** | | **Course Title** | | | | **Type** | | | **T** | | **U** | | **L** | **Credit** | | **ECTS** | | | **Code** | | **Course Title** | | **Type** | | **T** | | | **U** | | **L** | | **Credit** | | **ECTS** |
| TEK 5047 | | KNİTTED TECHNİCAL TEXTİLES | | | | E | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5048 | | TEXTILE RESEARCH METHODOLOGY | | E | | 3 | | | 0 | | 0 | | 3 | | 6 |
| TEK 5049 | | POLYMER CHEMISTRY | | | | E | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5050 | | ADVANCED CONCEPTS İN MATERİALS SCİENCE | | E | | 3 | | | 0 | | 0 | | 3 | | 6 |
| TEK5051 | | PRODUCTİON PLANNİNG AND COST İN COTTON SPINNING | | | | E | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK5004 | | MECHANICAL PROPERTIES OF TEXTILE FIBRES | | E | | 3 | | | 0 | | 0 | | 3 | | 6 |
| TEK5053 | | WOVEN FABRIC MORPHOLOGY | | | | E | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK5052 | | WARP KNİTTED FABRİC DESİNG AND PRODUCT DEVELEPMENT | | E | | 3 | | | 0 | | 0 | | 3 | | 6 |
| TEK5055 | | ADVANCED DYEING PROCESSES | | | | E | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK5054 | | ACOUSTIC TEXTILES | | E | | 3 | | | 0 | | 0 | | 3 | | 6 |
| TEK5057 | | OPEN END ROTOR SPINNING | | | | E | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5056 | | PROFESSIONAL FOREIGN LANGUAGE | | E | | 3 | | | 0 | | 0 | | 3 | | 6 |
| TEK5059 | | TEXTILE RECYCLING TECHNOLOGIES AND SUSTAINABILITY | | | | E | | | 3 | | 0 | | 0 | 3 | | 6 | | |  | |  | |  | |  | | |  | |  | |  | |  |
| TEK5061 | | PRODUCTION AND CHARACTERIZATION OF SUSTAINABLE TEXTILE FIBERS | | | | E | | | 3 | | 0 | | 0 | 3 | | 6 | | |  | |  | |  | |  | | |  | |  | |  | |  |
| TEK5063 | | ELECTRONIC TEXTILES | | | | E | | | 3 | | 0 | | 0 | 3 | | 6 | | |  | |  | |  | |  | | |  | |  | |  | |  |
| **Total Credits/ECTS** | | | | | | | | | | | | | | **12** | | **30** | | | **Total Credits/ECTS** | | | | | | | | | | | | | **11** | | **30** |
| **THESIS STAGE** | | | **III. TERM / FALL** | | | | | | | | | | | | | | | | | | | **IV. TERM / SPRING** | | | | | | | | | | | | | | | |
| TEK5183 | | ADVANCED TOPICS IN MA THESIS III | | | | C | | | 4 | | 0 | | 0 | 0 | | 5 | | | TEK5184 | | ADVANCED TOPICS IN MA THESIS IV | | C | | 4 | | | 0 | | 0 | | 0 | | 5 |
| TEK5193 | | MA THESIS CONSULTING III | | | | C | | | 0 | | 1 | | 0 | 0 | | 25 | | | TEK5194 | | MA THESIS CONSULTING IV | | C | | 0 | | | 1 | | 0 | | 0 | | 25 |
|  | |  | | | |  | | |  | |  | |  |  | |  | | |  | |  | |  | |  | | |  | |  | |  | |  |
| **Total Credits/ECTS** | | | | | | | | | | | | | | **0** | | **30** | | | **Total Credits/ECTS** | | | | | | | | | | | | | **0** | | **30** |
| **TOTAL CREDITS: - TOTAL ECTS:** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prof. Dr. Dilek KUT  Anabilim/Anasanat Dalı Başkanı  (Unvan, Ad Soyad Tarih, İmza) | | | | | | | | | | | | | | | | | | | | Prof. Dr. Ali KARA  Director of Institute  (Title, Name and Surname, Date, Signature) | | | | | | | | | | | | | | | |
|  | | | | | | **BURSA ULUDAĞ ÜNİVERSİTESİ**  **FEN BİLİMLERİ** **ENSTİTÜSÜ**  **2025-2026** **EĞİTİM ÖĞRETİM YILI DERS PLANLARI** | | | | | | | | | | | | | | | | | | | | | | | **FR 1.1.1\_02** | | | | | | | | | |
| **ANABİLİM/ ANASANAT DALI** | | | | | | | **TEKSTİL MÜHENDİSLİĞİ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **BİLİM/ SANAT DALI / PROGRAMI** | | | | | | | **DOKTORA PROGRAMI** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **DERS AŞAMASI** | | **I. YARIYIL / GÜZ** | | | | | | | | | | | | | | | | | | **II. YARIYIL / BAHAR** | | | | | | | | | | | | | | | | | | |
| **Kodu** | | **Dersin Adı** | | | | **Türü** | | **T** | **U** | | **L** | | **Kredi** | | | **AKTS** | | **Kodu** | | | **Dersin Adı** | | **Türü** | | **T** | | | **U** | | **L** | | **Kredi** | | **AKTS** | | |
| TEK6191 | | TEZ DANIŞMANLIĞI I | | | | Z | | 0 | 1 | | 0 | | 0 | | | 1 | | TEK6192 | | | TEZ DANIŞMANLIĞI II | | Z | | 0 | | | 1 | | 0 | | 0 | | 1 | | |
| TEK6181 | | DOKTORA UZMANLIK ALAN DERSİ I | | | | Z | | 4 | 0 | | 0 | | 0 | | | 5 | | TEK6182 | | | DOKTORA UZMANLIK ALAN DERSİ II | | Z | | 4 | | | 0 | | 0 | | 0 | | 5 | | |
|  | |  | | | |  | |  |  | |  | |  | | |  | | TEK6172 | | | SEMİNER | | Z | | 0 | | | 2 | | 0 | | 0 | | 4 | | |
| TEK 6001 | | LİF OLUŞUM TEORİSİ | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | FEN6000 | | | ARAŞTIRMA TEKNİKLERİ VE YAYIN ETİĞİ | | Z | | 2 | | | 0 | | 0 | | 2 | | 2 | | |
| TEK 6009 | | JEO-TEKSTİL MALZEMELERİ | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | |  | | |  | |  | |  | | |  | |  | |  | |  | | |
| TEK 6011 | | ENDÜSTRİYEL YIKAMA TEKNOLOJİSİ | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6006 | | | DOKUMA MAKİNELERİ MEKANİĞİ | |  | |  | | |  | |  | |  | |  | | |
| TEK 6013 | | TEKSTİL TERBİYESİNDE YENİ TEKNOLOJİLER | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6008 | | | İPLİKLERİN MEKANİK ÖZELLİKLERİ | | S | | 3 | | | 0 | | 0 | | 3 | | 6 | | |
| TEK 6015 | | MÜHENDİSLİK UYGULAMALARINDA İLERİ KARAKTERİZASYON YÖNTEMLERİ | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6010 | | | RENK FİZİĞİ | | S | | 3 | | | 0 | | 0 | | 3 | | 6 | | |
| TEK 6017 | | TEKNİK TEKSTİLLERDE DOKUNMAMIŞ YÜZEY UYGULAMALARI | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6012 | | | BİO-TIP UYGULAMALARI İÇİN TEKSTİL MALZEMELERİ | | S | | 3 | | | 0 | | 0 | | 3 | | 6 | | |
| TEK 6019 | | POLİMER REOLOJİSİ VE PROSESLERİ | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6016 | | | BİLİMSEL YAZIM | | S | | 3 | | | 0 | | 0 | | 3 | | 6 | | |
| TEK 6021 | | KUMAŞ TUTUMUNUN OBJEKTİF OLARAK DEĞERLENDİRİLMESİ | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6018 | | | POLİMER NANOKOMPOZİTLER | | S | | 3 | | | 0 | | 0 | | 3 | | 6 | | |
| TEK 6023 | | TEKSTİLDE SÜRDÜRÜLEBİLİRLİK | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6020 | | | TEKSTİL TERBİYESİNDE İLERİ REAKSİYON MEKANİZMALARI | | S | | 3 | | | 0 | | 0 | | 3 | | 6 | | |
| TEK6027 | | YÜK.FREKANSLI ISITMA TEKNOLOJİSİ ve TEKSTİL SANAYİNDEKİ UYGULAMALARI | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6024 | | | NANO MALZEME UYGULAMALARI VE KARAKTERİZASYONU | | S | | 3 | | | 0 | | 0 | | 3 | | 6 | | |
| TEK 6029 | | İNCE FİLM KAPLAMA TEKNOLOJİLERİ | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6026 | | | TEKSTİLDE SÜRDÜRÜLEBİLİR TASARIM | | S | | 3 | | | 0 | | 0 | | 3 | | 6 | | |
| TEK 6031 | | MALZEMELERİN YÜZEY VE ARA YÜZLERİ | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK 6028 | | | DOKUMA KUMAŞ TRİBOLOJİSİ | | S | | 3 | | | 3 | | 3 | | 3 | | 6 | | |
| TEK 6033 | | RENK SINIFLANDIRMA SİSTEMLERİ | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK6030 | | | TEKSTİL TABANLI BİYOMALZEMELER | | S | | 3 | | | 3 | | 3 | | 3 | | 6 | | |
| TEK6035 | | GÜNCEL TEKNİK KUMAŞ UYGULAMALARI | | | | S | | 3 | 0 | | 0 | | 3 | | | 6 | | TEK6032 | | | MESLEKİ YABANCI DİL | | S | | 3 | | | 0 | | 0 | | 3 | | 6 | | |
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| **Toplam Kredi/AKTS** | | | | | | | | | | | | | **12** | | | **30** | | **Toplam Kredi/AKTS** | | | | | | | | | | | | | | **11** | | **30** | | |

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| **TEZ AŞAMASI** | **III. YARIYIL / GÜZ** | | | | | | | | | **IV. YARIYIL / BAHAR** | | | | | | | | | |
| YET6177 | DOKTORA YETERLİLİK SINAVI | Z | | 0 | 0 | 0 | 0 | 10 | TEK6184 | DOKTORA UZMANLIK ALAN DERSİ IV | Z | 4 | 0 | 0 | | 0 | | 5 |
| TEK6183 | DOKTORA UZMANLIK ALAN DERSİ III | Z | | 4 | 0 | 0 | 0 | 5 | TEK6194 | TEZ DANIŞMANLIĞI IV | Z | 0 | 1 | 0 | | 0 | | 25 |
| TEK6193 | TEZ DANIŞMANLIĞI III | Z | | 0 | 1 | 0 | 0 | 15 |  |  |  |  |  |  | |  | |  |
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| **Toplam Kredi/AKTS** | | | | | | | **0** | **30** | **Toplam Kredi/AKTS** | | | | | | | **0** | | **30** |
| **V. YARIYIL / GÜZ** | | | | | | | | | **VI. YARIYIL / BAHAR** | | | | | | | | | |
| TEK6185 | DOKTORA UZMANLIK ALAN DERSİ V | Z | | 4 | 0 | 0 | 0 | 5 | TEK6186 | DOKTORA UZMANLIK ALAN DERSİ VI | Z | 4 | 0 | 0 | | 0 | | 5 |
| TEK6195 | TEZ DANIŞMANLIĞI V | Z | | 0 | 1 | 0 | 0 | 25 | TEK6196 | TEZ DANIŞMANLIĞI VI | Z | 0 | 1 | 0 | | 0 | | 25 |
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| **Toplam Kredi/AKTS** | | | | | | | **0** | **30** | **Toplam Kredi/AKTS** | | | | | | | **0** | | **30** |
| **VII. YARIYIL / GÜZ** | | | | | | | | | **VIII. YARIYIL / BAHAR** | | | | | | | | | |
| TEK6187 | DOKTORA UZMANLIK ALAN DERSİ VII | Z | 4 | | 0 | 0 | 0 | 5 | TEK6188 | DOKTORA UZMANLIK ALAN DERSİ VIII | Z | 4 | 0 | 0 | 0 | | 5 | |
| TEK6197 | TEZ DANIŞMANLIĞI VII | Z | 0 | | 1 | 0 | 0 | 25 | TEK6198 | TEZ DANIŞMANLIĞI VIII | Z | 0 | 1 | 0 | 0 | | 25 | |
| **Toplam Kredi/AKTS** | | | | | | | **0** | **30** | **Toplam Kredi/AKTS** | | | | | | **0** | | **30** | |
| **TOPLAM KREDİ: 23 - TOPLAM AKTS: 240** | | | | | | | | | | | | | | | | | | | |
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| Prof. Dr. Dilek KUT  Anabilim/Anasanat Dalı Başkanı  (Unvan, Ad Soyad Tarih, İmza) | Prof. Dr. Ali KARA  Enstitü Müdürü  (Unvan, Ad Soyad Tarih, İmza) |

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|  | | | **BURSA ULUDAĞ UNIVERSITY**  **GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  **2025-2026 ACADEMIC YEAR COURSE PLAN** | | | | | | | | | | | | | | **FR 1.1.1\_02** | | |
| **DEPARTMENT OF** | | | | **TEXTILE ENGINEERING** | | | | | | | | | | | | | | | |
| **DEPARTMENT / PROGRAM** | | | | **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 CONSULTING I | | | C | 0 | 1 | 0 | 0 | 1 | TEK6192 | PHD THESIS CONSULTING II | C | 0 | 1 | 0 | | 0 | 1 |
| TEK6181 | ADVANCED TOPICS IN PHD THESIS I | | | C | 4 | 0 | 0 | 0 | 5 | TEK6182 | ADVANCED TOPICS IN PHD THESIS II | C | 4 | 0 | 0 | | 0 | 5 |
|  |  | | |  |  |  |  |  |  | TEK6172 | SEMINAR | C | 0 | 2 | 0 | | 0 | 4 |
|  |  | | |  |  |  |  |  |  | FEN6000 | RESEARCH TECHNIQUES and PUBLICATION ETHICS | C | 2 | 0 | 0 | | 2 | 2 |
|  |  | | |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| TEK6001 | THEORY OF FIBRE FORMATION | | | E | 3 | 0 | 0 | 3 | 6 | TEK6006 | WEAVING MACHINERY MECHANICS | E | 3 | 0 | 0 | | 3 | 6 |
| TEK6009 | JEO-TEXTILE MATERIALS | | | E | 3 | 0 | 0 | 3 | 6 | TEK6008 | MECHANICAL PROPERTIES OF YARNS | E | 3 | 0 | 0 | | 3 | 6 |
| TEK6011 | INDUSTRİAL LAUNDRY TECHNOLOGY | | | E | 3 | 0 | 0 | 3 | 6 | TEK6010 | COLOUR PHYSICS | E | 3 | 0 | 0 | | 3 | 6 |
| TEK6013 | NEW TECHNOLOGIES IN TEXTILE FINISHING | | | E | 3 | 0 | 0 | 3 | 6 | TEK6012 | TEXTILE MATERIALS FOR BIOMEDICAL APPLICATION | E | 3 | 0 | 0 | | 3 | 6 |
| TEK6015 | ADVANCED CHARACTERİZATION METHODS IN ENGINEERING APPLICATION | | | E | 3 | 0 | 0 | 3 | 6 | TEK6016 | SCIENTIFIC WRITING | E | 3 | 0 | 0 | | 3 | 6 |
| TEK6017 | APPLICATIONS OF NONWOVENS IN TECHNICAL TEXTILES | | | E | 3 | 0 | 0 | 3 | 6 | TEK 6018 | POLYMER NANOCOMPOSITES | E | 3 | 0 | 0 | | 3 | 6 |
| TEK6019 | POLYMER RHEOLOGY AND PROCESSES | | | E | 3 | 0 | 0 | 3 | 6 | TEK 6020 | ADVANCED REACTION MECHANİSMS ON TEXTILE TREATMENT | E | 3 | 0 | 0 | | 3 | 6 |
| TEK6021 | OBJECTIVE EVALUATION OF FABRIC HAND | | | E | 3 | 0 | 0 | 3 | 6 | TEK6024 | NANO MATERIALS APPLICATIONS AND CHARACTERIZATION | E | 3 | 0 | 0 | | 3 | 6 |
| TEK6023 | SUSTAINABILITY IN TEXTILES | | | E | 3 | 0 | 0 | 3 | 6 | TEK 6026 | SUSTAINABLE DESIGN IN TEXTILES | S | 3 | 0 | 0 | | 3 | 6 |
| TEK6027 | HIGH FREQUENCY HEATING TECH.AND TEXTILE APPLICATIONS | | | E | 3 | 0 | 0 | 3 | 6 | TEK6028 | WOVEN FABRIC TRIBOLOGY | E | 3 | 0 | 0 | | 3 | 6 |
| TEK6029 | THIN FILM COATING TECHNOLOGIES | | | E | 3 | 0 | 0 | 3 | 6 | TEK6030 | TEXTILE-BASED BIOMATERIALS | E | 3 | 3 | 3 | | 3 | 6 |
| TEK6031 | SURFACE AND INTERFACE OF MATERIALS | | | E | 3 | 0 | 0 | 3 | 6 | TEK6032 | PROFESSIONAL FOREIGN LANGUAGE | E | 3 | 0 | 0 | | 3 | 6 |
| TEK 6033 | COLOUR ORDER SYSTEMS | | | S | 3 | 0 | 0 | 3 | 6 |  |  |  |  |  |  | |  |  |
| TEK6035 | CURRENT TECHNICAL FABRIC APPLICATIONS | | | S | 3 | 0 | 0 | 3 | 6 |  |  |  |  |  |  | |  |  |
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| **Total Credits/ECTS** | | | | | | | | **11** | **30** | **Total Credits/ECTS** | | | | | | | **11** | **30** |

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| **THESIS STAGE** | **III. TERM / FALL** | | | | | | | | | | | | | | | | | | | | **IV. TERM / SPRING** | | | | | | | | | | | | | | | | | | | | |
| TEK6183 | | | ADVANCED TOPICS IN PHD THESIS III | | | | C | | | 4 | 0 | | 0 | | 0 | | | 5 | | TEK6184 | | | ADVANCED TOPICS IN PHD THESIS IV | | C | | 4 | | 0 | | 0 | | 0 | | | 5 | | | | |
| TEK6193 | | | PHD THESIS CONSULTING III | | | | C | | | 0 | 1 | | 0 | | 0 | | | 15 | | TEK6194 | | | PHD THESIS CONSULTING IV | | C | | 0 | | 1 | | 0 | | 0 | | | 25 | | | | |
| YET6177 | | | PHD PROFICIENCY EXAMINATION | | | | C | | | 0 | 0 | | 0 | | 0 | | | 10 | |  | | |  | |  | |  | |  | |  | |  | | |  | | | | |
| **Total Credits/ECTS** | | | | | | | | | | | | | | | **0** | | | **30** | | **Total Credits/ECTS** | | | | | | | | | | | | | **0** | | | **30** | | | | |
| **V. TERM / FALL** | | | | | | | | | | | | | | | | | | | | **VI. TERM / SPRING** | | | | | | | | | | | | | | | | | | | | |
| TEK6185 | | | ADVANCED TOPICS IN PHD THESIS V | | | | C | | | 4 | 0 | | 0 | | 0 | | | 5 | | TEK6186 | | | ADVANCED TOPICS IN PHD THESIS VI | | C | | 4 | | 0 | | 0 | | 0 | | | 5 | | | | |
| TEK6195 | | | PHD THESIS CONSULTING V | | | | C | | | 0 | 1 | | 0 | | 0 | | | 25 | | TEK6196 | | | PHD THESIS CONSULTING VI | | C | | 0 | | 1 | | 0 | | 0 | | | 25 | | | | |
| **Total Credits/ECTS** | | | | | | | | | | | | | | | **0** | | | **30** | | **Total Credits/ECTS** | | | | | | | | | | | | | **0** | | | **30** | | | | |
| **VII. TERM / FALL** | | | | | | | | | | | | | | | | | | | | **VIII. TERM / SPRING** | | | | | | | | | | | | | | | | | | | | |
| TEK6187 | | | ADVANCED TOPICS IN PHD THESIS VII | | | | C | | 4 | | 0 | | 0 | | 0 | | | 5 | | TEK6188 | | | ADVANCED TOPICS IN PHD THESIS VIIII | | C | | 4 | | 0 | | 0 | | 0 | | | 5 | | | | |
| TEK6197 | | | PHD THESIS CONSULTING VII | | | | C | | 0 | | 1 | | 0 | | 0 | | | 25 | | TEK6198 | | | PHD THESIS CONSULTING VIIII | | C | | 0 | | 1 | | 0 | | 0 | | | 25 | | | | |
| **Total Credits/ECTS** | | | | | | | | | | | | | | | **0** | | | **30** | | **Total Credits/ECTS** | | | | | | | | | | | | | | **0** | | | **30** | | | |
| **TOTAL CREDITS: 23 - TOTAL ECTS: 240** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Prof. Dr. Dilek KUT  Head of Department  (Title, Name and Surname, Date, Signature) | | | | | | | | | | | | | | | | | | | Prof. Dr. Ali KARA  Director of Institute  (Title, Name and Surname, Date, Signature) | | | | | | | | | | | | | | | | | |
|  | | | | | | **BURSA ULUDAĞ ÜNİVERSİTESİ**  **FEN BİLİMLERİ ENSTİTÜSÜ**  **2025-2026 EĞİTİM ÖĞRETİM YILI DERS PLANLARI** | | | | | | | | | | | | | | | | | | | | | | | | | **FR 1.1.1\_02** | | | | | | | | | |
| **ANABİLİM/ ANASANAT DALI** | | | | | | | **TEKSTİL MÜHENDİSLİĞİ** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **BİLİM/ SANAT DALI / PROGRAMI** | | | | | | | **LİSANS DERECESİ İLE DOKTORA PROGRAMI** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **DERS AŞAMASI** | | **I. YARIYIL / GÜZ** | | | | | | | | | | | | | | | | | | | | | **II. YARIYIL / BAHAR** | | | | | | | | | | | | | | | | | |
| **Kodu** | | | **Dersin Adı** | | | | **Türü** | | | | **T** | | **U** | | **L** | **Kredi** | | **AKTS** | | | **Kodu** | | **Dersin Adı** | | **Türü** | | **T** | | **U** | | **L** | | | **Kredi** | | | **AKTS** | |
| TEK6191 | | | DOKTORA TEZ DANIŞMANLIĞI I | | | | Z | | | | 0 | | 1 | | 0 | 0 | | 1 | | | TEK6192 | | DOKTORA TEZ DANIŞMANLIĞI II | | Z | | 0 | | 1 | | 0 | | | 0 | | | 1 | |
| TEK6181 | | | DOKTORA UZMANLIK ALAN DERSİ I | | | | Z | | | | 4 | | 0 | | 0 | 0 | | 5 | | | TEK6182 | | DOKTORA UZMANLIK ALAN DERSİ II | | Z | | 4 | | 0 | | 0 | | | 0 | | | 5 | |
| TEK5001 | | | UYGULAMALI MATEMATİK | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | |  | |  | |  | |  | |  | |  | | |  | | |  | |
| TEK5005 | | | TEKSTİL ARAŞTIRMALARINDA DENEYSEL TASARIM | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5002 | | ORGANİK BOYARMADDELER KİMYASI | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5003 | | | TEKSTİL MATERYALLERİNİN RENKLENDİRME TEORİSİ | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5004 | | TEKSTİL LİFLERİNİN MEKANİK ÖZELLİKLERİ | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5007 | | | FANTAZİ İPLİK TEKNOLOJİSİ | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5006 | | İLERİ İPLİK TEKNOLOJİSİ | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5015 | | | TEKSTİL TERBİYESİNDE EKOLOJİK YAKLAŞIMLAR I | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5008 | | ELYAF TAKVİYELİ KOMPOZİT MALZEMELER | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5019 | | | PLAZMA TEKNOLOJİSİNİN TEKSTİLDE UYGULAMALARI | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK5012 | | TEKSTİL TERBİYE YARDIMCI KİMYASALLARI | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5021 | | | İPLİK GEOMETRİSİ | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5016 | | TEKSTİL TERBİYESİNDE EKOLOJİK YAKLAŞIMLAR II | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5023 | | | İPLİK BOYAMA TEKNOLOJİSİ | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5018 | | DİJİTAL BASKI TEKNOLOJİLERİ VE TEKSTİL SANAYİNDEKİ UYGULAMALARI | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5025 | | | ÖRME KUMAŞ TASARIMI VE ÜRÜN GELİŞTİRME | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK5024 | | TEKSTİL KAPLAMA VE LAMİNASYON TEKNOLOJİLERİ | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5027 | | | TEKSTİLDE BİLGİSAYAR KONTROLLÜ SİSTEM TASARIMI | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK5030 | | YENİ EĞİRME SİSTEMLERİ | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5031 | | | GİYSİ KONFORU | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK5032 | | FONKSİYONEL BİTİM İŞLEMLERİ | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5035 | | | TEKSTİL LİFLERİNİN YÜZEY ÖZELLİKLERİ VE MODİFİKASYON YÖNTEMLERİ | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK5036 | | TEKNİK TEKSTİL İPLİKLERİ | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5039 | | | MÜHENDİSLİK UYGULAMALARINDA MODERN KARAKTERİZASYON YÖNTEMLERİ | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5040 | | FONKSİYONEL POLİMERLER | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5041 | | | DOKUMA KUMAŞ GEOMETRİSİ VE MEKANİĞİ | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5042 | | İLERİ DOKUMA KUMAŞ TASARIM TEKNİKLERİ VE YAPILARI | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |
| TEK5043 | | | FİZİKSEL POLİMER BİLİMİ | | | | S | | | | 3 | | 0 | | 0 | 3 | | 6 | | | TEK 5044 | | TEKSTİL TERBİYESİNDE REAKSİYON MEKANİZMALARI | | S | | 3 | | 0 | | 0 | | | 3 | | | 6 | |

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|  | | **I. YARIYIL / GÜZ** | | | | | | | | | | | | | | | **II. YARIYIL / BAHAR** | | | | | | | | | | | | | | | | | | | | | | |
| **Kodu** | | **Dersin Adı** | **Türü** | **T** | **U** | | | **L** | **Kredi** | | | **AKTS** | | | **Kodu** | | | | | **Dersin Adı** | | | **Türü** | | | **T** | | | **U** | | | **L** | | | **Kredi** | | **AKTS** |
| TEK 5045 | | KONFEKSİYONDA KALİTE | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 5046 | | | | | KORUYUCU GİYSİ SİSTEMLERİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK 5047 | | ÖRME TEKNİK TEKSTİLLER | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 5048 | | | | | TEKSTİLDE ARAŞTIRMA METODOLOJİSİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK 5049 | | POLİMER KİMYASI | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 5050 | | | | | MALZEME BİLİMİNDE İLERİ KAVRAMLAR | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK5051 | | İPLİK İŞLETMELERİNDE ÜRETİMPLANLAMASI VE MALİYET | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK5052 | | | | | ÇÖZGÜLÜ ÖRME KUMAŞ TASARIMI VE ÜRÜN GELİŞTİRME | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK5053 | | DOKUMA KUMAŞ MORFOLOJİSİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK5054 | | | | | AKUSTİK TEKSTİLLER | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK5055 | | İLERİ BOYAMA PROSESLERİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK5056 | | | | | MESLEKİ YABANCI DİL | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK5057 | | OPEN-END(AÇIK UÇ) ROTOR İPLİKÇİLİĞİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | |  | | | | |  | | |  | | |  | | |  | | |  | | |  | |  |
| TEK5059 | | TEKSTİLDE GERİ DÖNÜŞÜM TEKNOLOJİLERİ VE SÜRDÜRÜLEBİLİRLİK | S | 3 | 0 | | | 0 | 3 | | | 6 | | |  | | | | |  | | |  | | |  | | |  | | |  | | |  | |  |
| TEK5061 | | SÜRDÜRÜLEBİLİR TEKSTİL LİFLERİNİN ELDESİ VE KARAKTERİZASYONU | S | 3 | 0 | | | 0 | 3 | | | 6 | | |  | | | | |  | | |  | | |  | | |  | | |  | | |  | |  |
| TEK5063 | | ELEKTRONİK TEKSTİLLER | S | 3 | 0 | | | 0 | 3 | | | 6 | | |  | | | | |  | | |  | | |  | | |  | | |  | | |  | |  |
| **Toplam Kredi/AKTS** | | | | | | | | | **12** | | | **30** | | | **Toplam Kredi/AKTS** | | | | | | | | | | | | | | | | | | | | **11** | | **30** |
| **TEZ AŞAMASI** | | **III. YARIYIL / GÜZ** | | | | | | | | | | | | | | | **IV. YARIYIL / BAHAR** | | | | | | | | | | | | | | | | | | | | | | |
| TEK6193 | | DOKTORA TEZ DANIŞMANLIĞI III | Z | 0 | 1 | | | 0 | 0 | | | 1 | | | TEK6174 | | | | | SEMİNER | | | Z | | | 0 | | | 2 | | | 0 | | | 0 | | 4 |
| TEK6183 | | DOKTORA UZMANLIK ALAN DERSİ III | Z | 4 | 0 | | | 0 | 0 | | | 5 | | | FEN6000 | | | | | ARAŞTIRMA TEKNİKLERİ VE YAYIN ETİĞİ | | | Z | | | 2 | | | 0 | | | 0 | | | 2 | | 2 |
| TEK6009 | | JEO-TEKSTİL MALZEMELERİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK6194 | | | | | DOKTORA TEZ DANIŞMANLIĞI IV | | | Z | | | 0 | | | 1 | | | 0 | | | 0 | | 1 |
| TEK6011 | | ENDÜSTRİYEL YIKAMA TEKNOLOJİSİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK6184 | | | | | DOKTORA UZMANLIK ALAN DERSİ IV | | | Z | | | 4 | | | 0 | | | 0 | | | 0 | | 5 |
| TEK6013 | | TEKSTİL TERBİYESİNDE YENİ TEKNOLOJİLER | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6006 | | | | | DOKUMA MAKİNELERİ MEKANİĞİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK6015 | | MÜHENDİSLİK UYGULAMALARINDA İLERİ KARAKTERİZASYON YÖNTEMLERİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6008 | | | | | İPLİKLERİN MEKANİK ÖZELLİKLERİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK6017 | | TEKNİK TEKSTİLLERDE DOKUNMAMIŞ YÜZEY UYGULAMALARI | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6010 | | | | | RENK FİZİĞİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK6019 | | POLİMER REOLOJİSİ VE PROSESLERİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6012 | | | | | BİO-TIP UYGULAMALARI İÇİN TEKSTİL MALZEMELERİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK6021 | | KUMAŞ TUTUMUNUN OBJEKTİF OLARAK DEĞERLENDİRİLMESİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6016 | | | | | BİLİMSEL YAZIM | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK 6023 | | TEKSTİLDE SÜRDÜRÜLEBİLİRLİK | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6018 | | | | | POLİMER NANOKOMPOZİTLER | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK6001 | | LİF OLUŞUM TEORİSİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6020 | | | | | TEKSTİL TERBİYESİNDE İLERİ REAKSİYON MEKANİZMALARI | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK6027 | | YÜK.FREKANSLI ISITMA TEKNOLOJİSİ VE TEKSTİL SANAYİNDEKİ UYGULAMALARI | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6024 | | | | | NANO MALZEME UYGULAMALARI VE KARAKTERİZASYONU | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK6029 | | İNCE FİLM KAPLAMALI TEKNOLOJİLERİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6006 | | | | | DOKUMA MAKİNELERİ MEKANİĞİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK 6031 | | MALZEMELERİN YÜZEY VE ARA YÜZLERİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6008 | | | | | İPLİKLERİN MEKANİK ÖZELLİKLERİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK 6033 | | RENK SINIFLANDIRMA SİSTEMLERİ | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6010 | | | | | RENK FİZİĞİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
| TEK6035 | | GÜNCEL TEKNİK KUMAŞ UYGULAMALARI | S | 3 | 0 | | | 0 | 3 | | | 6 | | | TEK 6012 | | | | | BİO-TIP UYGULAMALARI İÇİN TEKSTİL MALZEMELERİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
|  | |  |  |  |  | | |  |  | | |  | | | TEK 6016 | | | | | BİLİMSEL YAZIM | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
|  | |  |  |  |  | | |  |  | | |  | | | TEK 6018 | | | | | POLİMER NANOKOMPOZİTLER | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
|  | |  |  |  |  | | |  |  | | |  | | | TEK 6020 | | | | | TEKSTİL TERBİYESİNDE İLERİ REAKSİYON MEKANİZMALARI | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
|  | |  |  |  |  | | |  |  | | |  | | | TEK 6024 | | | | | NANO MALZEME UYGULAMALARI VE KARAKTERİZASYONU | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
|  | |  |  |  |  | | |  |  | | |  | | | TEK 6026 | | | | | TEKSTİLDE SÜRDÜRÜLEBİLİR TASARIM | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
|  | |  |  |  |  | | |  |  | | |  | | | TEK6028 | | | | | DOKUMA KUMAŞ TRİBOLOJİSİ | | | S | | | 3 | | | 0 | | | 0 | | | 3 | | 6 |
|  | |  |  |  |  | | |  |  | | |  | | | TEK6030 | | | | | TEKSTİL TABANLI BİYOMALZEMELER | | | S | | | 3 | | | 3 | | | 3 | | | 3 | | 6 |
|  | |  |  |  |  | | |  |  | | |  | | |  | | | | |  | | |  | | |  | | |  | | |  | | |  | |  |
| **Toplam Kredi/AKTS** | | | | | | | | | **0** | | | **30** | | | **Toplam Kredi/AKTS** | | | | | | | | | | | | | | | | | | | | **0** | | **30** |
| **TEZ AŞAMASI** | **V. YARIYIL / GÜZ** | | | | | | | | | | | | | | | | | **VI. YARIYIL / BAHAR** | | | | | | | | | | | | | | | | | | | | | | |
| YET6177 | | DOKTORA YETERLİLİK SINAVI | | Z | 0 | | 0 | 0 | | | 0 | | | 10 | | | TEK6186 | | DOKTORA UZMANLIK ALAN DERSİ VI | | | Z | | | 4 | | | 0 | | | 0 | | | | 0 | | | 5 | |
| TEK6185 | | DOKTORA UZMANLIK ALAN DERSİ V | | Z | 4 | | 0 | 0 | | | 0 | | | 5 | | | TEK6196 | | DOKTORA TEZ DANIŞMANLIĞI VI | | | Z | | | 0 | | | 1 | | | 0 | | | | 0 | | | 25 | |
| TEK6195 | | DOKTORA TEZ DANIŞMANLIĞI V | | Z | 0 | | 1 | 0 | | | 0 | | | 15 | | |  | |  | | |  | | |  | | |  | | |  | | | |  | | |  | |
| **Toplam Kredi** | | | | | | | | | | | **0** | | | **30** | | | **Toplam Kredi** | | | | | | | | | | | | | | | | | | **0** | | | **30** | |
| **VII. YARIYIL / GÜZ** | | | | | | | | | | | | | | | | | **VIII. YARIYIL / BAHAR** | | | | | | | | | | | | | | | | | | | | | | |
| TEK6187 | | DOKTORA UZMANLIK ALAN DERSİ VII | | Z | 4 | | 0 | 0 | | | | 0 | | | 5 | | | TEK6188 | | DOKTORA UZMANLIK ALAN DERSİ VIII | | | Z | | | 4 | | | 0 | | | 0 | | | 0 | | | 5 | | |
| TEK6197 | | DOKTORA TEZ DANIŞMANLIĞI VII | | Z | 0 | | 1 | 0 | | | | 0 | | | 25 | | | TEK6198 | | DOKTORA TEZ DANIŞMANLIĞI VIII | | | Z | | | 0 | | | 1 | | | 0 | | | 0 | | | 25 | | |
| **Toplam Kredi** | | | | | | | | | | | **0** | | | **30** | | | **Toplam Kredi** | | | | | | | | | | | | | | | | | **0** | | | **30** | | |
| **IX. YARIYIL / GÜZ** | | | | | | | | | | | | | | | | | **X. YARIYIL / BAHAR** | | | | | | | | | | | | | | | | | | | | | | |
| TEK6189 | | DOKTORA UZMANLIK ALAN DERSİ IX | | Z | 4 | | 0 | 0 | | | | 0 | | | 5 | | | TEK6190 | | DOKTORA UZMANLIK ALAN DERSİ X | | | Z | | | 4 | | | 0 | | | 0 | | | 0 | | | 5 | | |
| TEK6199 | | DOKTORA TEZ DANIŞMANLIĞI IX | | Z | 0 | | 1 | 0 | | | | 0 | | | 25 | | | TEK6200 | | DOKTORA TEZ DANIŞMANLIĞI X | | | Z | | | 0 | | | 1 | | | 0 | | | 0 | | | 25 | | |
| **Toplam Kredi** | | | | | | | | | | | **0** | | | **30** | | | **Toplam Kredi** | | | | | | | | | | | | | | | | | **0** | | | **30** | | |
| **TOPLAM KREDİ: 47 - TOPLAM AKTS: 300** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Prof. Dr. Dilek KUT  Anabilim/Anasanat Dalı Başkanı  (Unvan, Ad Soyad Tarih, İmza) | Prof. Dr. Ali KARA  Enstitü Müdürü  (Unvan, Ad Soyad Tarih, İmza) |

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|  | | | **BURSA ULUDAĞ UNIVERSITY**  **GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES**  **2025-2026 ACADEMIC YEAR COURSE PLAN** | | | | | | | | | | | | | | **FR 1.1.1\_02** | | | | |
| **DEPARTMENT OF** | | | | **TEXTILE ENGINEERING** | | | | | | | | | | | | | | | | | |
| **DEPARTMENT / PROGRAM** | | | | **DOCTORAL PROGRAM WITH BACHELOR’S DEGREE** | | | | | | | | | | | | | | | | | |
| **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 CONSULTING I | | | C | 0 | | 1 | 0 | 0 | 1 | TEK6192 | PHD THESIS CONSULTING II | C | 0 | 1 | | 0 | 0 | 1 | |
| TEK6181 | SPECIAL TOPICS IN PHD THESIS I | | | C | 4 | | 0 | 0 | 0 | 5 | TEK6182 | SPECIAL TOPICS IN PHD THESIS II | C | 4 | 0 | | 0 | 0 | 5 | |
| TEK5001 | APPLIED MATHEMATICS | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5004 | MECHANICAL PROPERTIES OF TEXTILE FIBRES | C | 3 | 0 | | 0 | 3 | 6 | |
| TEK5005 | EXPEIMENTAL DESIGN IN TEXTILE RESEARCH | | | E | 3 | | 0 | 0 | 3 | 6 | FEN5000 | RESEARCH TECHNIQUES and PUBLICATION ETHICS in TEXTILE ENGINEERING | C | 2 | 0 | | 0 | 2 | 2 | |
|  |  | | |  |  | |  |  |  |  |  |  |  |  |  | |  |  |  | |
| TEK5003 | THEORY OF COLOURATİON OF TEXTİLE MATERIALS | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5016 | BEST AVAILABLE TECHNOLOGY IN TEXTILE FINISHING II | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5007 | FANCY YARN TECHNOLOGY | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5018 | DIGITAL PRINTING TECHNOLOGIES AND TEXTILE APPLICATION | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5015 | BEST AVAILABLE TECHNOLOGY İN TEXTILE FINISHING I | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5002 | COLOUR CHEMISTRY | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5019 | PLASMA APPLICATION TO TEXTILE MATERIALS | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5024 | TEXTILE COATING AND LAMINATING TECHNOLOGIES | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5021 | YARN GEOMETRY | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5012 | TEXTILE FINISHING AUXILLIARIES | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5023 | YARN DYEING TECHNOLOGY | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5030 | NEW SPINNING SYSTEMS | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5025 | KNITTED FABRIC DESIGN AND PRODUCT DEVELOPMENT | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5032 | FUNCTIONAL FINISHING | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5027 | COMPUTER CONTROL SYSTEM DESİGN IN TEXTİLES | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5006 | ADVANCED YARN TECHNOLOGY | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5031 | CLOTHING COMFORT | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5008 | FIBER REINFORCED COMPOSITE MATERIALS | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5035 | SURFACE PROPERTIES AND MODIFICATION OF TEXTILE FIBERS | | | E | 3 | | 0 | 0 | 3 | 6 | TEK5040 | FUNCTIONAL POLYMERS | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK 5193 | CHEMISTRY OF POLYMERS | | | E | 3 | | 0 | 0 | 3 | 6 | TEK 5194 | RESEARCH METHODOLOGY IN TEXTILES | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK5039 | MODERN CHARACTERIZATION METHODS IN ENGINEERING APPLICATION | | | E | 3 | | 0 | 0 | 3 | 6 | TEK 5036 | TECHNICAL TEXTILE YARNS | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK 5041 | WOVEN FABRIC GEOMETRY AND MECHANICS | | | E | 3 | | 0 | 0 | 3 | 6 | TEK 5042 | ADVANCED WOVEN FABRIC DESIGN TECHNIQUES AND STRUCTURES | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK 5043 | PHYSICAL POLYMER SCIENCE | | | E | 3 | | 0 | 0 | 3 | 6 | TEK 5044 | REACTION MECHANISMS ON TEXTILE TREATMENT | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK 5045 | CLOTHING QUALITY | | | E | 3 | | 0 | 0 | 3 | 6 | TEK 5046 | PROTECTIVE CLOTHING SYSTEMS | E | 3 | 0 | | 0 | 3 | 6 | |
| TEK 5047 | KNİTTED TECHNICAL TEXTILES | | | E | 3 | 0 | | 0 | 3 | 6 | TEK5048 | TEXTILE RESEARCH METHODOLOGY | E | 3 | 0 | | 0 | 3 | 6 |
| TEK 5049 | POLYMER CHEMISTRY | | | E | 3 | 0 | | 0 | 3 | 6 | TEK5050 | ADVANCED CONCEPTS IN MATERIALS SCIENCE | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5051 | PRODUCTION PLANNING AND COST IN COTTON SPINNING | | | E | 3 | 0 | | 0 | 3 | 6 | TEK5004 | MECHANICAL PROPERTIES OF TEXTILE FIBRES | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5053 | WOVEN FABRIC MORPHOLOGY | | | E | 3 | 0 | | 0 | 3 | 6 | TEK5052 | WARP KNITTED FABRIC DESING AND PRODUCT DEVELOPMENT | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5055 | ADVANCED DYEING PROCESSES | | | E | 3 | 0 | | 0 | 3 | 6 | TEK5054 | ACOUSTIC TEXTILES | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5057 | OPEN END ROTOR SPINNING | | | E | 3 | 0 | | 0 | 3 | 6 | TEK5056 | PROFESSIONAL FOREIGN LANGUAGE | E | 3 | 0 | | 0 | 3 | 6 |
| TEK5059 | TEXTILE RECYCLING TECHNOLOGIES AND SUSTAINABILITY | | | E | 3 | 0 | | 0 | 3 | 6 |  |  |  |  |  | |  |  |  |
| TEK5061 | PRODUCTİON AND CHARACTERIZATION OF SUSTAINABLE TEXTILE FIBERS | | | E | 3 | 0 | | 0 | 3 | 6 |  |  |  |  |  | |  |  |  |
| TEK5063 | ELECTRONIC TEXTILES | | | E | 3 | 0 | | 0 | 3 | 6 |  |  |  |  |  | |  |  |  |
| **Total Credits/ECTS** | | | | | | | | | **12** | **30** | **Total Credits/ECTS** | | | | | | | **11** | **30** |
| **THESIS STAGE** | **III. TERM / FALL** | | | | | | | | | | | **IV. TERM / SPRING** | | | | | | | | |
| TEK6183 | SPECIAL TOPICS IN PHD THESIS III | | | C | 4 | 0 | | 0 | 0 | 5 | TEK6174 | SEMINAR | C | 0 | 2 | | 0 | 0 | 4 |
| TEK6193 | PHD THESIS CONSULTING III | | | C | 0 | 1 | | 0 | 0 | 1 | TEK6194 | PHD THESIS CONSULTING IV | C | 0 | 1 | | 0 | 0 | 1 |
| TEK6009 | JEO-TEXTILE MATERIALS | | | E | 3 | 0 | | 0 | 3 | 6 | FEN6000 | RESEARCH TECHNIQUES and PUBLICATION ETHICS | C | 2 | 0 | | 0 | 2 | 2 |
| TEK6011 | INDUSTRIAL LAUNDRY TECHNOLOGY | | | E | 3 | 0 | | 0 | 3 | 6 | TEK6184 | SPECIAL TOPICS IN PHD THESIS IV | C | 4 | 0 | | 0 | 0 | 5 |
| TEK6013 | NEW TECHNOLOGIES IN TEXTILE FINISHING | | | E | 3 | 0 | | 0 | 3 | 6 | TEK6006 | WEAVING MACHINERY MECHANICS | E | 3 | 0 | | 0 | 3 | 6 |
| TEK6015 | ADVANCED CHARACTERIZATION METHODS IN ENGINEERING APPLICATION | | | E | 3 | 0 | | 0 | 3 | 6 | TEK6008 | MECHANICAL PROPERTIES OF YARNS | E | 3 | 0 | | 0 | 3 | 6 |
| TEK6017 | APPLICATIONS OF NONWOVENS IN TECHNICAL TEXTILES | | | E | 3 | 0 | | 0 | 3 | 6 | TEK6010 | COLOUR PHYSICS | E | 3 | 0 | | 0 | 3 | 6 |
| TEK6019 | POLYMER RHEOLOGY AND PROCESSES | | | E | 3 | 0 | | 0 | 3 | 6 | TEK6012 | TEXTILE MATERIALS FOR BIOMEDICAL APPLICATION | E | 3 | 0 | | 0 | 3 | 6 |
| TEK6021 | OBJECTIVE EVALUATION OF FABRIC HAND | | | E | 3 | 0 | | 0 | 3 | 6 | TEK6016 | SCIENTIFIC WRITING | E | 3 | 0 | | 0 | 3 | 6 |
| TEK6023 | SUSTAINABILITY IN TEXTILES | | | E | 3 | 0 | | 0 | 3 | 6 | TEK 6018 | POLYMER NANOCOMPOSITES | E | 3 | 0 | | 0 | 3 | 6 |
| TEK6001 | THEORY OF FIBRE FORMATION | | | E | 3 | 0 | | 0 | 3 | 6 | TEK 6020 | ADVANCED REACTION MECHANISMS ON TEXTILE TREATMENT | E | 3 | 0 | | 0 | 3 | 6 |
| TEK6027 | HIGH FREQUENCY HEATING TECH.AND TEXTILE APPLICATIONS | | | E | 3 | 0 | | 0 | 3 | 6 | TEK6024 | NANO MATERIALS APPLICATIONS AND CHARACTERIZATION | E | 3 | 0 | | 0 | 3 | 6 |
| TEK6029 | THIN FILM COATING TECHNOLOGIES | | | E | 3 | 0 | | 0 | 3 | 6 | TEK 6026 | SUSTAINABLE DESIGN IN TEXTILES | S | 3 | 0 | | 0 | 3 | 6 |
| TEK6031 | SURFACE AND INTERFACE OF MATERIALS | | | E | 3 | 0 | | 0 | 3 | 6 | TEK6028 | WOVEN FABRIC TRIBOLOGY | E | 3 | 0 | | 0 | 3 | 6 |
| TEK 6033 | COLOUR ORDER SYSTEMS | | | S | 3 | 0 | | 0 | 3 | 6 | TEK6030 | TEXTILE-BASED BIOMATERIALS | E | 3 | 3 | | 3 | 3 | 6 |
| TEK6035 | CURRENT TECHNICAL FABRIC APPLICATIONS | | | S | 3 | 0 | | 0 | 3 | 6 |  |  |  |  |  | |  |  |  |
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| **Total Credits/ECTS** | | | | | | | | | **0** | **30** | **Total Credits/ECTS** | | | | | | | **0** | **30** |

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| **THESIS STAGE** | **V. TERM / FALL** | | | | | | | | | **VI. TERM / SPRING** | | | | | | | | | |
| YET6177 | PHD PROFICIENCY | C | | 0 | 0 | 0 | 0 | 10 | TEK6186 | SPECIAL TOPICS IN PHD THESIS VI | C | 4 | 0 | 0 | | 0 | | 5 |
| TEK6185 | SPECIAL TOPICS IN PHD THESIS V | C | | 4 | 0 | 0 | 0 | 5 | TEK6196 | PHD THESIS CONSULTING VI | C | 0 | 1 | 0 | | 0 | | 25 |
| TEK6195 | PHD THESIS CONSULTING V | C | | 0 | 1 | 0 | 0 | 15 |  |  |  |  |  |  | |  | |  |
| **Total Credits/ECTS** | | | | | | | **0** | **30** | **Total Credits/ECTS** | | | | | | | **0** | | **30** |
| **VII. TERM / FALL** | | | | | | | | | **VIII. TERM / SPRING** | | | | | | | | | |
| TEK6187 | SPECIAL TOPICS IN PHD THESIS VII | C | 4 | | 0 | 0 | 0 | 5 | TEK6188 | SPECIAL TOPICS IN PHD THESIS VIII | C | 4 | 0 | 0 | 0 | | 5 | |
| TEK6197 | PHD THESIS CONSULTING VII | C | 0 | | 1 | 0 | 0 | 25 | TEK6198 | PHD THESIS CONSULTING VIII | C | 0 | 1 | 0 | 0 | | 25 | |
|  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | |  | |
| **Total Credits/ECTS** | | | | | | | **0** | **30** | **Total Credits/ECTS** | | | | | | **0** | | **30** | |
| **IX. YARIYIL / GÜZ** | | | | | | | | | **IX. TERM / FALL** | | | | | | | | | |
| TEK6189 | SPECIAL TOPICS IN PHD THESIS IX | C | 4 | | 0 | 0 | 0 | 5 | TEK6190 | SPECIAL TOPICS IN PHD THESIS X | C | 4 | 0 | 0 | 0 | | 5 | |
| TEK6199 | PHD THESIS CONSULTING IX | C | 0 | | 1 | 0 | 0 | 25 | TEK6200 | PHD THESIS CONSULTING X | C | 0 | 1 | 0 | 0 | | 25 | |
| **Total Credits/ECTS** | | | | | | | **0** | **30** | **Total Credits/ECTS** | | | | | | **0** | | **30** | |
| **TOTAL CREDITS: 47 - TOTAL ECTS: 300** | | | | | | | | | | | | | | | | | | | |

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|  | | **BURSA ULUDAĞ ÜNİVERSİTESİ**  **FEN BİLİMLERİ ENSTİTÜSÜ**  **2025-2026** **EĞİTİM ÖĞRETİM YILI KALDIRILAN/DEĞİŞTİRİLEN DERSLER** | | | | | | | | | | | | | | | | | | | **FR 1.1.1\_02** | |
| **ANABİLİM/ ANASANAT DALI** | | | Tekstil Mühendisliği | | | | | | | | | | | | | | | | | | | |
| **BİLİM/SANAT DALI / PROGRAMI** | | | Tekstil Mühendisliği / Yüksek Lisans- Doktora Programı | | | | | | | | | | | | | | | | | | | |
| **2024-2025**  **Eğitim-Öğretim Yılı Kaldırılan/Değiştirilen Ders**  *(Bir önceki eğitim-öğretim yılı yazılacak)* | | | | | | | | | | | **2025-2026** **Eğitim-Öğretim Yılı Eş Değeri**  *(Teklif edilen eğitim-öğretim yılı yazılacak)* | | | | | | | | | **Uygulama Esasları\*** | | **Gerekçe\*\*** |
| **Kodu** | **Dersin Adı** | | | **Yarıyıl** | **Türü** | **T** | **U** | **L** | **Kredi** | **AKTS** | **Kodu** | **Dersin Adı** | **Yarıyıl** | **Türü** | **T** | **U** | **L** | **Kredi** | **AKTS** |
| TEK 5056 | GİYİLEBİLİR ELEKTRONİK TEKSTİLLER | | | BAHAR | S | 3 | 0 | 0 | 3 | 6 | TEK 5063 | ELEKTRONİK TEKSTİLLER | GÜZ | S | 3 | 0 | 0 | 3 | 6 | 2025-2026 Eğitim Öğretim Yılından itibaren | | Tekstil Müh.ABD Kurul Kararı ile isim değişikliği yapılmıştır. |
| TEK 5037 | İPLİK TEKNOLOJİSİNDE ARD İŞLEMLER | | | GÜZ | S | 3 | 0 | 0 | 3 | 6 |  |  |  |  |  |  |  |  |  | 2025-2026 Eğitim Öğretim Yılından İtibaren | | Tekstil Müh.ABD Kurul Kararı ile Yüksek Lisans prog.dan kaldırıl  mıştır. |
| TEK 6037 | OPEN-END (AÇIK UÇ) ROTOR İPLİKÇİLİĞİ | | | GÜZ | S | 3 | 0 | 0 | 3 | 6 |  |  |  |  |  |  |  |  |  | 2025-2026 Eğitim Öğretim Yılından İtibaren | | Tekstil Müh.ABD Kurul Kararı ile Doktora prog.dan kaldırıl  mıştır. |
|  |  | | |  |  |  |  |  |  |  | TEK5057 | OPEN-END(AÇIK UÇ) ROTOR İPLİKÇİLİĞİ | GÜZ | S | 3 | 0 | 0 | 3 | 6 | 2025-2026 Eğitim Öğretim Yılından İtibaren | | Tekstil Müh.ABD Kurul Kararı ile Yüksek Lisans programına eklenmiştir. |
| TEK5001 | UYGULAMALI MATEMATİK | | | GÜZ | Z | 3 | 0 | 0 | 3 | 6 | TEK5001 | UYGULAMALI MATEMATİK | GÜZ | S | 3 | 0 | 0 | 3 | 6 | 2025-2026 Eğitim Öğretim Yılından İtibaren | | Tekstil Müh.ABD Kurul Kararı ile Seçmeli Ders olarak |
| TEK5005 | TEKSTİL ARAŞTIRMALARINDA DENEYSEL TASARIM | | | GÜZ | Z | 3 | 0 | 0 | 3 | 6 | TEK5005 | TEKSTİL ARAŞTIRMALARINDA DENEYSEL TASARIM | GÜZ | S | 3 | 0 | 0 | 3 | 6 | 2025-2026 Eğitim Öğretim Yılından İtibaren | | Tekstil Müh.ABD Kurul Kararı ile Seçmeli Ders olarak |
|  |  | | |  |  |  |  |  |  |  | TEK5059 | TEKSTİLDE GERİ DÖNÜŞÜM TEKNOLOJİLERİ VE SÜRDÜRÜLEBİLİRLİK | GÜZ | S | 3 | 0 | 0 | 3 | 6 | 2025-2026 Eğitim Öğretim Yılından İtibaren | | Tekstil Müh.ABD Kurul Kararı |
|  |  | | |  |  |  |  |  |  |  | TEK5061 | SÜRDÜRÜLEBİLİR TEKSTİL LİFLERİNİN ELDESİ VE KARAKTERİZASYONU | GÜZ | S | 3 | 0 | 0 | 3 | 6 | 2025-2026 Eğitim Öğretim Yılından İtibaren | | Tekstil Müh.ABD Kurul Kararı |
|  |  | | |  |  |  |  |  |  |  | TEK6030 | TEKSTİL TABANLI BİYOMALZEMELER | BAHAR | S | 3 | 0 | 0 | 3 | 6 | 2025-2026 Eğitim Öğretim Yılından İtibaren | | Tekstil Müh.ABD Kurul Kararı |
|  |  | | |  |  |  |  |  |  |  | TEK5056 | MESLEKİ YABANCI DİL | BAHAR | S | 3 | 0 | 0 | 3 | 6 | 2025-2026 Eğitim Öğretim yılından itibaren | | Tekstil Müh.ABD Kurul Kararı |
|  |  | | |  |  |  |  |  |  |  | TEK6032 | MESLEKİ YABANCI DİL | BAHAR | S | 3 | 0 | 0 | 3 | 6 | 2025-2026 Eğitim Öğretim yılından itibaren | | Tekstil Müh.ABD Kurul Kararı |
| **Toplam Kredi/AKTS** | | | | | | | | |  |  | **Toplam Kredi/AKTS** | | | | | | |  |  |  | | |
| \* Her değişiklikte giriş yılı farklı olan öğrenciler için uygulama esaslarının açıkça belirtilmesi.  \*\* Gerekçeler tablo ekinde metin olarak da belirtilebilir. | | | | | | | | | | | | | | | | | | | | | | |

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| Prof. Dr. Dilek KUT  Anabilim/Anasanat Dalı Başkanı  (Unvan, Ad Soyad Tarih, İmza) | Prof. Dr. Ali KARA  Enstitü Müdürü  (Unvan, Ad Soyad Tarih, İmza) |