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| A logo with text and a star  Description automatically generated | | | **BURSA ULUDAĞ ÜNİVERSİTESİ**  **SAĞLIK BİLİMLERİ** **ENSTİTÜSÜ**  **2025-2026** **EĞİTİM ÖĞRETİM YILI DERS PLANLARI** | | | | | | | | | | | | | | | | | **FR 1.1.1\_02** | | | | | | |
| **ANABİLİM DALI** | | | | Translasyonel Tıp Anabilim Dalı | | | | | | | | | | | | | | | | | | | | | | |
| **BİLİM/ SANAT DALI / PROGRAMI** | | | | Bütünleşik Doktora Programı | | | | | | | | | | | | | | | | | | | | | | |
| **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** |
| SAB5001 | BİYOİSTATİSTİK | | | Z | 2 | 2 | | 0 | |  | 5 | SAB5002 | BİYOİSTATİSTİK | | | Z | | 2 | | 2 | | 0 | |  | 5 |
| TTIP6191 | TEZ DANIŞMANLIĞI I | | | Z | 0 | 1 | | 0 | |  | 1 | TTIP6192 | TEZ DANIŞMANLIĞI II | | | Z | | 0 | | 1 | | 0 | |  | 1 |
| TAN5001 | TERMİNOLOJİ | | | Z | 2 | 0 | | 0 | |  | 4 | TTIP5172 | SEMİNER | | | Z | | 0 | | 2 | | 0 | |  | 5 |
| TAN5003 | İNSAN ANATOMİSİNE GİRİŞ | | | Z | 2 | 2 | | 0 | |  | 6 | TTIP5002 | TRANSLASYONEL TIP İÇİN SİTOLOJİ | | | Z | | 3 | | 0 | | 0 | |  | 6 |
| TTIP6181 | DOKTORA UZMANLIK ALAN DERSİ I | | | S | 4 | 0 | | 0 | |  | 5 | TTIP6182 | DOKTORA UZMANLIK ALAN DERSİ II | | | S | | 4 | | 0 | | 0 | |  | 5 |
| TTIP5003 | BİYOTEKNOLOJİNİN TEMELLERİ VE UYGULAMALARI | | | S | 2 | 0 | | 0 | |  | 5 | TTIP5004 | MEDİKAL BİYOİNFORMATİK | | | S | | 3 | | 0 | | 0 | |  | 6 |
| TTIP5005 | BİYOİNFORMATİĞİN TEMELLERİ VE UYGULAMALARI | | | S | 2 | 0 | | 0 | |  | 5 | TTIP5006 | TEMEL MATEMATİK | | | S | | 2 | | 2 | | 0 | |  | 5 |
| TTIP5007 | BİYOMÜHENDİSLİĞİN TEMELLERİ VE UYGULAMALARI | | | S | 2 | 0 | | 0 | |  | 5 | TTIP5008 | OMİK TEKNOLOJİLERİ VE UYGULAMALARI | | | S | | 3 | | 0 | | 0 | |  | 5 |
| TTIP5009 | BİYOYARARLANIMDA KİMYASAL ANALİZ VE DEĞERLENDİRME | | | S | 3 | 0 | | 0 | |  | 6 | TTIP5010 | DERMATOLOJİDE YAPAY ZEKA VE TELETIP | | | S | | 2 | | 0 | | 0 | |  | 6 |
|  |  | | |  |  |  | |  | |  |  | TTIP5012 | METABOLİZMADA OKSİDATİF STRES-ANTİOKSİDAN İLİŞKİSİ VE TAYİNİ | | | S | | 3 | | 0 | | 0 | |  | 6 |
| **Toplam Kredi/AKTS** | | | | | | | | | |  | **30** | **Toplam Kredi/AKTS** | | | | | | | | | | | |  | **30** |
| **TEZ AŞAMASI** | **III. YARIYIL / GÜZ** | | | | | | | | | | | | **IV. YARIYIL / BAHAR** | | | | | | | | | | | | | |
| TTIP6193 | TEZ DANIŞMANLIĞI III | | | Z | 0 | 1 | | 0 | |  | 1 | TTIP6194 | TEZ DANIŞMANLIĞI IV | | | Z | | 0 | | 1 | | 0 | |  | 1 |
| SAB6003 | AKTARILABİLİR BECERİLER | | | Z | 3 | 0 | | 0 | |  | 5 | TTIP6172 | SEMİNER | | | Z | | 0 | | 2 | | 0 | |  | 5 |
| TTIP6183 | DOKTORA UZMANLIK ALAN DERSİ III | | | S | 4 | 0 | | 0 | |  | 5 | TTIP6184 | DOKTORA UZMANLIK ALAN DERSİ IV | | | S | | 4 | | 0 | | 0 | |  | 5 |
| TTIP6001 | TRANSLASYONEL TIBBIN PRENSİPLERİ | | | S | 3 | 0 | | 0 | |  | 7 | TTIP6004 | KİŞİYE ÖZGÜ VE FONKSİYONEL TIP | | | S | | 2 | | 0 | | 0 | |  | 5 |
| TTIP6009 | BİYOMEDİKAL 3B BASKILAMA | | | S | 2 | 0 | | 0 | |  | 5 | TTIP6006 | FARMAKOGENETİK | | | S | | 2 | | 0 | | 0 | |  | 5 |
| TTIP6011 | UYGULAMALI BİYOİNFORMATİK | | | S | 1 | 2 | | 0 | |  | 5 | TTIP6014 | KLİNİĞE YANSIYAN BİLGİSAYAR PROGRAMLAMA | | | S | | 2 | | 0 | | 0 | |  | 5 |
| TTIP6013 | ONKOGENETİK | | | S | 2 | 0 | | 0 | |  | 5 | TTIP6016 | AŞI TEKNOLOJİSİ | | | S | | 2 | | 0 | | 0 | |  | 5 |
| TTIP6015 | İLAÇ UYGULAMALARI VE KEŞFİ | | | S | 2 | 0 | | 0 | |  | 5 | TTIP6020 | GENOM DÜZENLEME TEKNOLOJİLERİ | | | S | | 2 | | 0 | | 0 | |  | 5 |
| TTIP6017 | MİKROBİYOTA | | | S | 3 | 0 | | 0 | |  | 5 | TTIP6022 | TIPTA FONKSİYONEL POLİMERLER | | | S | | 3 | | 0 | | 0 | |  | 6 |
| TTIP6019 | BİYOSENSÖRLER | | | S | 2 | 0 | | 0 | |  | 5 | TTIP6024 | BİYOMAKROMOLEKÜLLER ELDESİ VE ANALİZ YÖNTEMLERİ | | | S | | 3 | | 0 | | 0 | |  | 6 |
| TTIP6021 | BİYOMARKIR KEŞFİ | | | S | 2 | 0 | | 0 | |  | 5 |  |  | | |  | |  | |  | |  | |  |  |
| TTIP6025 | İLERİ NANOTIP MALZEMELERİ | | | S | 3 | 0 | | 0 | |  | 6 |  |  | | |  | |  | |  | |  | |  |  |
| TTIP6027 | İNSANDA DNA OKSİDASYONU VE TAYİN YÖNTEMLERİ | | | S | 3 | 0 | | 0 | |  | 6 |  |  | | |  | |  | |  | |  | |  |  |
| **Toplam Kredi/AKTS** | | | | | | | | | |  | **30** | **Toplam Kredi/AKTS** | | | | | | | | | | | |  | **30** |
| **V. YARIYIL / GÜZ** | | | | | | | | | | | | **VI. YARIYIL / BAHAR** | | | | | | | | | | | | | |
| TTIP6185 | DOKTORA UZMANLIK ALAN DERSİ V | | | Z | 4 | 0 | | 0 | |  | 5 | TTIP6186 | DOKTORA UZMANLIK ALAN DERSİ VI | | | Z | | 4 | | 0 | | 0 | |  | 5 |
| TTIP6195 | TEZ DANIŞMANLIĞI V | | | Z | 0 | 1 | | 0 | |  | 10 | TTIP6196 | TEZ DANIŞMANLIĞI VI | | | Z | | 0 | | 1 | | 0 | |  | 25 |
| YET6177 | YETERLİK SINAVI | | | Z | 0 | 0 | | 0 | |  | 15 |  |  | | |  | |  | |  | |  | |  |  |
| **Toplam Kredi/AKTS** | | | | | | | | | |  | **30** | **Toplam Kredi/AKTS** | | | | | | | | | | | |  | **30** |
| **VII. YARIYIL / GÜZ** | | | | | | | | | | | | **VIII. YARIYIL / BAHAR** | | | | | | | | | | | | | |
| TTIP6187 | DOKTORA UZMANLIK ALAN DERSİ VII | | | Z | 4 | 0 | | 0 | |  | 5 | TTIP6188 | DOKTORA UZMANLIK ALAN DERSİ VIII | | | Z | | 4 | | 0 | | 0 |  | | 5 |
| TTIP6197 | TEZ DANIŞMANLIĞI VII | | | Z | 0 | 1 | | 0 | |  | 25 | TTIP6198 | TEZ DANIŞMANLIĞI VIII | | | Z | | 0 | | 1 | | 0 |  | | 25 |
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|  | **IX. YARIYIL / GÜZ** | | | | | | | | | | | | **X. YARIYIL / BAHAR** | | | | | | | | | | | | | |
|  | TTIP6189 | DOKTORA UZMANLIK ALAN DERSİ IX | | | Z | 4 | | 0 | | 0 |  | 5 | TTIP6190 | | DOKTORA UZMANLIK ALAN DERSİ X | Z | | 4 | | | 0 | 0 | |  | | 5 |
|  | TTIP6199 | TEZ DANIŞMANLIĞI XI | | | Z | 0 | | 1 | | 0 |  | 25 | TTIP6200 | | TEZ DANIŞMANLIĞI X | Z | | 0 | | | 1 | 0 | |  | | 25 |
|  | **Toplam Kredi/AKTS** | | | | | | | | | |  | **30** | **Toplam Kredi/AKTS** | | | | | | | | | | |  | | **30** |
| **TOPLAM AKTS: 300** | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| A logo with text and a star  AI-generated content may be incorrect. | | | **BURSA ULUDAG UNIVERSITY**  **INSTITUTE OF HEALTH SCIENCE**  **2024-2025** **ACADEMIC YEAR COURSE PLAN** | | | | | | | | | | | | | | | | | | **FR 1.1.1\_02** | | | | | | | | |
| **DEPARTMENT OF** | | | | Translational Medicine | | | | | | | | | | | | | | | | | | | | | | | | | |
| **DEPARTMENT / PROGRAM** | | | | Integrated PhD Program | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | **I. TERM / FALL** | | | | | | | | | | | | | **II. TERM / SPRING** | | | | | | | | | | | | | | | |
| **Code** | **Course Title** | | | **Type** | **T** | | **U** | | **L** | | **Credit** | **ECTS** | **Code** | **Course Title** | | | **Type** | | **T** | | | **U** | | **L** | | **Credit** | | **ECTS** |
| SAB5001 | BIOSTATISTICS | | | C | 2 | | 2 | | 0 | |  | 5 | SAB5002 | BIOSTATISTICS | | | C | | 2 | | | 2 | | 0 | |  | | 5 |
| TTIP5191 | THESIS I | | | C | 0 | | 1 | | 0 | |  | 1 | TTIP5192 | THESIS II | | | C | | 0 | | | 1 | | 0 | |  | | 1 |
| TAN5001 | TERMINOLOGIA | | | C | 2 | | 0 | | 0 | |  | 4 | TTIP5172 | SEMINAR | | | C | | 0 | | | 2 | | 0 | |  | | 5 |
| TAN5003 | INTRODUCTION TO HUMAN ANATOMY | | | C | 2 | | 2 | | 0 | |  | 6 | TTIP5002 | CYTOLOGY FOR TRANSLATIONAL MEDICINE | | | C | | 3 | | | 0 | | 0 | |  | | 6 |
| TTIP5181 | ADVANCED TOPICS IN PHD THESIS I | | | E | 4 | | 0 | | 0 | |  | 5 | TTIP5182 | ADVANCED TOPICS IN PHD THESIS II | | | E | | 4 | | | 0 | | 0 | |  | | 5 |
| TTIP5003 | FUNDAMENTALS AND APPLICATIONS OF BIOTECHNOLOGY | | | E | 2 | | 0 | | 0 | |  | 5 | TTIP5004 | MEDICAL BIOINFORMATICS | | | E | | 3 | | | 0 | | 0 | |  | | 6 |
| TTIP5005 | FUNDAMENTALS AND APPLICATIONS OF BIOINFORMATICS | | | E | 2 | | 0 | | 0 | |  | 5 | TTIP5006 | BASIC MATHEMATICS | | | E | | 2 | | | 2 | | 0 | |  | | 5 |
| TTIP5007 | FUNDAMENTALS AND APPLICATIONS OF BIOENGINEERING | | | E | 2 | | 0 | | 0 | |  | 5 | TTIP5008 | OMIC TECHNOLOGIES AND APPLICATIONS | | | E | | 3 | | | 0 | | 0 | |  | | 5 |
| TTIP5009 | CHEMICAL ANALYSIS AND EVALUATION IN BIOAVAILABILITY | | | E | 3 | | 0 | | 0 | |  | 6 | TTIP5010 | ARTIFICIAL INTELLIGENCE AND TELEMEDICINE IN DERMATOLOGY | | | E | | 2 | | | 0 | | 0 | |  | | 6 |
|  |  | | |  |  | |  | |  | |  |  | TTIP5012 | RELATIONSHIP AND DETERMINATION OF OXIDATIVE STRESS-ANTIOXIDANT IN METABOLISM | | | E | | 3 | | | 0 | | 0 | |  | | 6 |
| **Total Credits/ECTS** | | | | | | | | | | |  | **30** | **Total Credits/ECTS** | | | | | | | | | | | | |  | | **30** |
| **III. TERM / FALL** | | | | | | | | | | | | | **IV. TERM / SPRING** | | | | | | | | | | | | | | | |
| TTIP6193 | THESIS III | | | C | 0 | | 1 | | 0 | |  | 1 | TTIP6194 | THESIS IV | | | C | | 0 | | | 1 | | 0 | |  | | 1 |
| SAB6003 | TRANSFERABLE SKILLS | | | C | 3 | | 0 | | 0 | |  | 5 | TTIP6172 | SEMINAR | | | C | | 0 | | | 2 | | 0 | |  | | 5 |
| TTIP6183 | ADVANCED TOPICS IN PhD THESIS III | | | E | 4 | | 0 | | 0 | |  | 5 | TTIP6184 | ADVANCED TOPICS IN PhD THESIS IV | | | E | | 4 | | | 0 | | 0 | |  | | 5 |
| TTIP6001 | PRINCIPLES OF TRANSLATIONAL MEDICINE | | | E | 3 | | 0 | | 0 | |  | 7 | TTIP6004 | PERSONAL AND FUNCTIONAL MEDICINE | | | E | | 2 | | | 0 | | 0 | |  | | 5 |
| TTIP6009 | BIOMEDICAL 3D PRINTING | | | E | 2 | | 0 | | 0 | |  | 5 | TTIP6006 | PHARMACOGENETIC | | | E | | 2 | | | 0 | | 0 | |  | | 5 |
| TTIP6011 | APPLIED BIOINFORMATICS | | | E | 1 | | 2 | | 0 | |  | 5 | TTIP6014 | CLINICAL REFLECTED COMPUTER PROGRAMMING | | | E | | 2 | | | 0 | | 0 | |  | | 5 |
| TTIP6013 | ONCOGENETICS | | | E | 2 | | 0 | | 0 | |  | 5 | TTIP6016 | VACCINE TECHNOLOGY | | | E | | 2 | | | 0 | | 0 | |  | | 5 |
| TTIP6015 | DRUG APPLICATIONS AND DISCOVERY | | | E | 2 | | 0 | | 0 | |  | 5 | TTIP6020 | GENOME EDITING TECHNOLOGIES | | | E | | 2 | | | 0 | | 0 | |  | | 5 |
| TTIP6017 | MICROBIOTA | | | E | 3 | | 0 | | 0 | |  | 5 | TTIP6022 | FUNCTIONAL POLYMERS IN MEDICINE | | | E | | 3 | | | 0 | | 0 | |  | | 6 |
| TTIP6019 | BIOSENSORS | | | E | 2 | | 0 | | 0 | |  | 5 | TTIP6024 | METHODS OF OBTAINING AND ANALYSIS OF BIOMACROMOLECULES | | | E | | 3 | | | 0 | | 0 | |  | | 6 |
| TTIP6021 | BIOMARKER DISCOVERY | | | E | 2 | | 0 | | 0 | |  | 5 |  |  | | |  | |  | | |  | |  | |  | |  |
| TTIP6025 | ADVANCED NANOMEDICINE MATERIALS | | | E | 3 | | 0 | | 0 | |  | 6 |  |  | | |  | |  | | |  | |  | |  | |  |
| TTIP6027 | DNA OXIDATION AND DETERMINATION METHODS IN HUMAN | | | E | 3 | | 0 | | 0 | |  | 6 |  |  | | |  | |  | | |  | |  | |  | |  |
| **Total Credits/ECTS** | | | | | | | | | | |  | **30** | **Total Credits/ECTS** | | | | | | | | | | | | |  | | **30** |
| **V. TERM / FALL** | | | | | | | | | | | | | **VI. TERM / SPRING** | | | | | | | | | | | | | | | |
| TTIP6185 | ADVANCED TOPICS IN PHD THESIS V | | | C | 4 | | 0 | | 0 | |  | 5 | TTIP6186 | ADVANCED TOPICS IN PHD THESIS VI | | | C | | 4 | | | 0 | | 0 | |  | | 5 |
| TTIP6195 | THESIS V | | | C | 0 | | 1 | | 0 | |  | 10 | TTIP6196 | THESIS VI | | | C | | 0 | | | 1 | | 0 | |  | | 25 |
| YET6177 | PROFICIENCY TEST | | | C | 0 | | 0 | | 0 | |  | 15 |  |  | | |  | |  | | |  | |  | |  | |  |
| **Total Credits/ECTS** | | | | | | | | | | |  | **30** | **Total Credits/ECTS** | | | | | | | | | | | | |  | | **30** |
| **VII. TERM / FALL** | | | | | | | | | | | | | **VIII. TERM / SPRING** | | | | | | | | | | | | | | | |
| TTIP6187 | ADVANCED TOPICS IN PHD THESIS VII | | | C | 4 | | 0 | | 0 | |  | 5 | TTIP6188 | ADVANCED TOPICS IN PHD THESIS VIII | | | C | | 4 | | | 0 | | 0 |  | | 5 | |
| TTIP6197 | THESIS VII | | | C | 0 | | 1 | | 0 | |  | 25 | TTIP6198 | THESIS VIII | | | C | | 0 | | | 1 | | 0 |  | | 25 | |
| **Total Credits/ECTS** | | | | | | | | | | |  | **30** | **Total Credits/ECTS** | | | | | | | | | | | |  | | **30** | |
| **IX. TERM / FALL** | | | | | | | | | | | | | **X. TERM / SPRING** | | | | | | | | | | | | | | | |
| TTIP6189 | ADVANCED TOPICS IN PHD THESIS IX | | | C | | 4 | | 0 | | 0 |  | 5 | TTIP6190 | | ADVANCED TOPICS IN PHD THESIS X | C | | 4 | | | 0 | | 0 | |  | | 5 | |
| TTIP6199 | THESIS IX | | | C | | 0 | | 1 | | 0 |  | 25 | TTIP6200 | | THESIS X | C | | 0 | | | 1 | | 0 | |  | | 25 | |
| **Total Credits/ECTS** | | | | | | | | | | |  | **30** | **Total Credits/ECTS** | | | | | | | | | | | |  | | **30** | |
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