



BURSA ULUDAĞ ÜNİVERSİTESİ  
SAĞLIK BİLİMLERİ ENSTİTÜSÜ  
2024-2025 EĞİTİM ÖĞRETİM YILI DERS PLANLARI

FR 1.1.1\_02

ANABİLİM DALI

Translasyonel Tıp Anabilim Dalı

BİLİM/ SANAT DALI / PROGRAMI

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
	SAB6001	BİYOİSTATİSTİK	Z	2	2	0		5	SAB6002	BİYOİSTATİSTİK	Z	2	2	0		5
	TTIP6191	TEZ DANIŞMANLIĞI I	Z	0	1	0		1	TTIP6192	TEZ DANIŞMANLIĞI II	Z	0	1	0		1
	SAB6003	AKTARILABİLİR BECERİLER	Z	3	0	0		5	TTIP6172	SEMİNER	Z	0	2	0		5
	TTIP6181	DOKTORA UZMANLIK ALAN DERSİ I	S	4	0	0		5	TTIP6024	BİLİMSEL ARAŞTIRMA TEKNİKLERİ, ARAŞTIRMA VE YAYIN ETİĞİ	Z	1	0	0		1
	TTIP6001	TRANSLASYONEL TIBBIN PRENSİPLERİ	S	3	0	0		7	TTIP6182	DOKTORA UZMANLIK ALAN DERSİ II	S	4	0	0		5
	TTIP6009	BİYOMEDİKAL 3B BASKILAMA	S	2	0	0		5	TTIP6004	KİŞİYE ÖZGÜ VE FONKSİYONEL TIP	S	2	0	0		5
	TTIP6011	UYGULAMALI BİYOİNFORMATİK	S	1	2	0		5	TTIP6006	FARMAKOGENETİK	S	2	0	0		5
	TTIP6013	ONKOGENETİK	S	2	0	0		5	TTIP6014	KLİNİĞE YANSIYAN BİLGİSAYAR PROGRAMLAMA	S	2	0	0		5
	TTIP6015	İLAC UYGULAMALARI VE KEŞFİ	S	2	0	0		5	TTIP6016	AŞI TEKNOLOJİSİ	S	2	0	0		5
	TTIP6017	MİKROBİYOTA	S	3	0	0		5	TTIP6020	GENOM DÜZENLEME TEKNOLOJİLERİ	S	2	0	0		5
	TTIP6019	BİYOSENSÖRLER	S	2	0	0		6	TTIP6022	TIPTA FONKSİYONEL POLİMERLER	S	3	0	0		6
	TTIP6021	BİYOMARKIR KEŞFİ	S	2	0	0		5	TTIP6024	BİYOMAKROMOLEKÜLLER ELDESİ VE ANALİZ YÖNTEMLERİ	S	3	0	0		6
	TTIP6025	İLERİ NANOTIP MALZEMELERİ	S	3	0	0		6	TTIP5002	TRANSLASYONEL TIP İÇİN SİTOLOJİ	S	3	0	0		6
	TTIP6027	İNSANDA DNA OKSİDASYONU VE TAYİN YÖNTEMLERİ	S	3	0	0		6	TTIP5004	MEDİKAL BİYOİNFORMATİK	S	3	0	0		6
	TTIP5003	BİYOTEKNOLOJİNİN TEMELLERİ VE UYGULAMALARI	S	2	0	0		5	TTIP5006	TEMEL MATEMATİK	S	2	2	0		5
	TTIP5005	BİYOİNFORMATİĞİN TEMELLERİ VE UYGULAMALARI	S	2	0	0		5	TTIP5008	OMİK TEKNOLOJİLERİ VE UYGULAMALARI	S	3	0	0		5
	TTIP5007	BİYOMÜHENDİSLİĞİN TEMELLERİ VE UYGULAMALARI	S	2	0	0		5	TTIP5010	DERMATOLOJİDE YAPAY ZEKA VE TELETIP	S	2	0	0		6
	TTIP5009	BİYOYARARLANIMDA KİMYASAL ANALİZ VE DEĞERLENDİRME	S	3	0	0		6	TTIP5012	METABOLİZMADA OKSİDATİF STRES- ANTIOKSİDAN İLİŞKİSİ VE TAYİNİ	S	3	0	0		6
	SAB6005	SAĞLIK BİLİMLERİ İÇİN MESLEKİ İNGİLİZCE	S	2	0	0		3	SAB6004	SAĞLIK HUKUKUNUN GENEL İLKELERİ	S	1	0	0		3
	SAB6007	ARAŞTIRMA PROJESİ HAZIRLAMA VE YÖNETME	S	2	0	0		3	SAB6006	BİLİMSEL MAKALE YAZMA VE YAYINLAMA SÜRECİ	S	2	0	0		3
	SAB6009	LABORATUVAR UYGULAMALARINDA BİYOGÜVENLİK	S	2	0	0		2	SAB6008	FİKİRDEN PATENTE	S	2	0	0		3
	SAB6011	GENEL İLETİŞİM TEKNİKLERİ	S	2	0	0		3								

TEZ AŞAMASI	<b>Toplam Kredi/AKTS</b>					<b>30</b>	<b>Toplam Kredi/AKTS</b>					<b>30</b>		
	<b>III. YARIYIL / GÜZ</b>						<b>IV. YARIYIL / BAHAR</b>							
	YET6177	YETERLİK SINAVI	Z	0	0	0	15	TTIP6184	DOKTORA UZMANLIK ALAN DERSİ IV	Z	4	0	0	5
	TTIP6183	DOKTORA UZMANLIK ALAN DERSİ III	Z	4	0	0	5	TTIP6194	TEZ DANIŞMANLIĞI IV	Z	0	1	0	25
	TTIP6193	TEZ DANIŞMANLIĞI III	Z	0	1	0	10							
	<b>Toplam Kredi/AKTS</b>					<b>30</b>	<b>Toplam Kredi/AKTS</b>					<b>30</b>		
	<b>V. YARIYIL / GÜZ</b>						<b>VI. YARIYIL / BAHAR</b>							
	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	25	TTIP6196	TEZ DANIŞMANLIĞI VI	Z	0	1	0	25
	<b>Toplam Kredi/AKTS</b>					<b>30</b>	<b>Toplam Kredi/AKTS</b>					<b>30</b>		
	<b>VII. YARIYIL / GÜZ</b>						<b>VIII. YARIYIL / BAHAR</b>							
	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
	<b>Toplam Kredi/AKTS</b>					<b>30</b>	<b>Toplam Kredi/AKTS</b>					<b>30</b>		
<b>TOPLAM AKTS: 240</b>														



**BURSA ULUDAĞ UNIVERSITY  
INSTITUTE OF HEALTH SCIENCE  
2024-2025 ACADEMIC YEAR COURSE PLAN**

**FR 1.1.1\_02**

**DEPARTMENT OF** Translational Medicine  
**DEPARTMENT / PROGRAM** PhD 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
	SAB6001	BIOSTATISTICS	C	2	2	0		5	SAB6002	BIOSTATISTICS	C	2	2	0		5
	TTIP6191	THESIS I	C	0	1	0		1	TTIP6192	THESIS II	C	0	1	0		1
	SAB6003	TRANSFERABLE SKILLS	C	3	0	0		5	TTIP6172	SEMINAR	C	0	2	0		5
	TTIP6181	ADVANCED TOPICS IN PhD THESIS I	E	4	0	0		5	TTIP6022	SCIENTIFIC RESEARCH TECHNIQUES, RESEARCH AND PUBLICATION ETHICS	C	1	0	0		1
	TTIP6001	PRINCIPLES OF TRANSLATIONAL MEDICINE	E	3	0	0		7	TTIP6182	ADVANCED TOPICS IN PhD THESIS II	E	4	0	0		5
	TTIP6009	BIOMEDICAL 3D PRINTING	E	2	0	0		5	TTIP6004	PERSONAL AND FUNCTIONAL MEDICINE	E	2	0	0		5
	TTIP6011	APPLIED BIOINFORMATICS	E	1	2	0		5	TTIP6006	PHARMACOGENETIC	E	2	0	0		5
	TTIP6013	ONCOGENETICS	E	2	0	0		5	TTIP6014	CLINICAL REFLECTED COMPUTER PROGRAMMING	E	2	0	0		5
	TTIP6015	DRUG APPLICATIONS AND DISCOVERY	E	2	0	0		5	TTIP6016	VACCINE TECHNOLOGY	E	2	0	0		5
	TTIP6017	MICROBIOTA	E	3	0	0		5	TTIP6020	GENOME EDITING TECHNOLOGIES	E	2	0	0		5
	TTIP6019	BIOSENSORS	E	2	0	0		5	TTIP6022	FUNCTIONAL POLYMERS IN MEDICINE	E	3	0	0		6
	TTIP6021	BIOMARKIR DISCOVERY	E	2	0	0		5	TTIP6024	METHODS OF OBTAINING AND ANALYSIS OF BIOMACROMOLECULES	E	3	0	0		6
	TTIP6025	ADVANCED NANOMEDICINE MATERIALS	E	3	0	0		6	TTIP5002	CYTOLOGY FOR TRANSLATIONAL MEDICINE	E	3	0	0		6
	TTIP6027	DNA OXIDATION AND DETERMINATION METHODS IN HUMAN	E	3	0	0		6	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
	TTIP5003	FUNDAMENTALS AND APPLICATIONS OF BIOTECHNOLOGY	E	2	0	0		5	TTIP5012	RELATIONSHIP AND DETERMINATION OF OXIDATIVE STRESS-ANTIOXIDANT IN METABOLISM	E	3	0	0		6
	SAB6005	PROFESSIONAL ENGLISH FOR HEALTH SCIENCES	E	2	0	0		3	SAB6004	GENERAL PRINCIPLES OF HEALTH LAW	E	1	0	0		3
	SAB6007	RESEARCH PROJECT PREPARATION AND MANAGEMENT	E	2	0	0		3	SAB6006	SCIENTIFIC ARTICLE WRITING AND PUBLISHING PROCESS	E	2	0	0		3
	SAB6009	BIO SAFETY IN LABORATORY APPLICATIONS	E	2	0	0		2	SAB6008	FROM IDEA TO PATENT	E	2	0	0		3

STAGE THESIS	SAB6011	GENERAL COMMUNICATION TECHNIQUES	E	2	0	0	3									
	<b>Total Credits/ECTS</b>							<b>30</b>	<b>Total Credits/ECTS</b>							<b>30</b>
	<b>III. TERM / FALL</b>								<b>IV. TERM / SPRING</b>							
	YET6177	PROFICIENCY TEST	C	0	0	0	15	TTIP6184	ADVANCED TOPICS IN PhD THESIS IV	C	4	0	0	5		
	TTIP6183	ADVANCED TOPICS IN PhD THESIS III	C	4	0	0	5	TTIP6194	THESIS IV	C	0	1	0	25		
	TTIP6193	THESIS III	C	0	1	0	10									
	<b>Total Credits/ECTS</b>							<b>30</b>	<b>Total Credits/ECTS</b>							<b>30</b>
	<b>V. TERM / FALL</b>								<b>VI. TERM / SPRING</b>							
	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	25	TTIP6196	THESIS VI	C	0	1	0	25		
<b>Total Credits/ECTS</b>							<b>30</b>	<b>Total Credits/ECTS</b>							<b>30</b>	
<b>VII. TERM / FALL</b>								<b>VIII. TERM / SPRING</b>								
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			
<b>Total Credits/ECTS</b>							<b>30</b>	<b>Total Credits/ECTS</b>							<b>30</b>	
<b>TOTAL ECTS: 240</b>																