Course Syllabus

Code - Course Title	**FBİ505 - Therapeutic Proteins**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. GÜLAY BÜYÜKKÖROĞLU

Mode of Delivery	The mode of delivery of this course is face to face.
Prerequisites	There is no prerequisite or co-requisite for this course
Courses Recomended	There is no recommended optional programme component for this course
Recommended Resources	Therapeutic Proteins: Methods and Protocols, Editörler: Vladimir Voynov, Justin A. Caravella, 2012Protein Therapeutics Editor(s): Tristan Vaughan, Jane Osbourn, Bahija Jallal, 2017
Work Placement	Practical training is not required for this programme

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Basic Structure of Protein	
Week - 2		Synthesis of Protein	
Week - 3		Peptide Mapping	
Week - 4		Modifications of Protein	
Week - 5		Possible Therapeutic Targets	
Week - 6		Properties of Protein-Based Therapeutics and Examples of Proteins	
Week - 7		Relationship Between Therapeutic Proteins and Immune System	
Week - 8		Cytokines and Their Applications	
Week - 9		Immunoglobulins and Application Areas	
Week - 10		Colony Stimulating Factors; Factors of Blood; Growth Factors and Their Types	
Week - 11		Hormones and Using of Them in Treatment	
Week - 12		Enzymes as Therapeutic Agents, Localization in Cell and Applications	
Week - 13		Approved Therapeutic Proteins	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		The Role of Therapeutic Proteins in Health Economics	

Learning Outcomes

#	Learning Outcome
1	Explain the structure and properties of proteins
2	Expailn the therapeutic targets for proteins
3	Tells the relationship between therapeutic proteins and immune system
4	Counts the therapeutic proteins used

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.