Course Syllabus

Code - Course Title	**FKL502 - Neurohumoral Interactions**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Required Courses
Course Instructor(s)	PROF. DR. ÜMİDE DEMİR ÖZKAY

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 course
Recommended Resources	Bökesoy TA, Çakıcı İ, Melli M, Türk Farmakoloji Derneği Farmakoloji Ders Kitabı, Gazi Kitabevi, 2000.Goodman & Gilman Tedavinin Farmakolojik Temeli, Süzer Ö (Ed.), Nobel Tıp Kitabevi, 2009.
Work Placement	Not Applicable

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		Definition of living organisms; Relationships between environment and living organisms; Adaptation	
Week - 2		Importance of neurohumoral communication in terms of the maintenance of homeostasis	
Week - 3		Types of biological communication	
Week - 4		Properties of autocrine, paracrine and endocrine communication	
Week - 5		Essential characterisitics of neurons; Properties of synapsis and ganglia; neural impuls and action potentials	
Week - 6		Neurotransmitters and neuromodulators	
Week - 7		Neurotransmitters and neuromodulators	
Week - 8		Autocoids	
Week - 9		Hormones	
Week - 10		Chemokines	
Week - 11		Second messengers	
Week - 12		Second messengers	
Week - 13		Diseases due to the disruption of neurohumoral communication	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 14		Drugs effective on neurohumoral communication	

Learning Outcomes

#	Learning Outcome
1	explain general notions of neurohumoral communication
2	discusses the properties of autocrine, paracrine and endocrine communications
3	quetions mechanisms of neurohumoral communications
4	evaluate neurohumoral communications in the light of drug actions

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.