Course Syllabus

Code - Course Title	**İSÖ504 - The Brain and Learning**
Course Type	I. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	DR. ÖĞR. ÜYESİ SEDA MEHTAP SARI KILIÇASLAN

Mode of Delivery	The mode of delivery of this course is face to face
Place of Delivery	On Campus
Used Educational Platforms	Face-to-face
Prerequisites	There is no prerequisite or co-requisite for this course.
Courses Recomended	None
Recommended Resources	Jensen, Eric; McConchie, Liesl. Brain-Based Learning: Teaching the Way Students Really Learn. Third Edition (Revised Edition). Corwin. 2020
Work Placement	None
Aims of the Course	To understand the structure and functions of the brain, to comprehend the relationship between the brain and learning, and to ensure that the analysis of theories and frameworks is reflected in the application of teaching and learning processes.

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1	LO-1	Introduction to brain and learning course	Lecture
Week - 2	LO-1	Structure and functions of neurons	Lecture, Question & Answer
Week - 3	LO-1 LO-2	Neuron development in children	Lecture, Question & Answer, Discussion
Week - 4	LO-1	Human brain: Brain hemisphere, brain lobes and their roles	Lecture, Question & Answer, Discussion
Week - 5	LO-2	Brain parts involved in learning and information processing theory	Lecture, Question & Answer, Discussion
Week - 6	LO-2	Neurotransmitters	Lecture, Discussion
Week - 7	LO-2	Factors affecting learning	Lecture, Question & Answer, Discussion
Week - 8		Mid term	

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Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 9	LO-2	Caution, intelligence, memory, forgetfulness	Lecture, Discussion, Research and Inquiry
Week - 10	LO-3	Principles and plannig strategies of brain based learning-I	Lecture, Question & Answer, Practice/Practical Work/Workshop
Week - 11	LO-3	Principles and plannig strategies of brain based learning-II	Lecture, Discussion, Research and Inquiry
Week - 12	LO-3	Literature survey on brain based learning	Lecture, Question & Answer, Discussion, Research and Inquiry
Week - 13	LO-3	Literature survey on brain based learning	Lecture, Question & Answer, Discussion, Research and Inquiry
Week - 14	LO-3	Literature survey on brain based learning	Lecture, Discussion, Research and Inquiry

Learning Outcomes

#	Learning Outcome
1	Summarize the human brain structure and its function.
2	Establish the relationship between learning and the brain
3	Analyse the theories on brain

Sustainable Development Goals

✓ Quality Education

Course Theme

✓ Educational Sciences and Educational Technologies ✓ Health Sciences and Medical Technologies

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	3.00	14	42
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	2.00	10	20
Ödevler	2.00	14	28

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Proje - Rapor - Sunum Hazırlama	2.00	20	40
Ara Sınav Hazırlığı (sınav süresi dahil)	14.00	1	14
Final Sınavı Hazırlığı (sınav süresi dahil)	0.00	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0.00	0	0
Staj Uygulaması	0.00	0	0
		Calculated ECTS	**6.0**

Assessment Method and Passing Requirements

✓ Open-Ended Test ✓ Homework ✓ Presentation

Assessment Method and Passing Requirements	Quamtity	Percentage (%)
1.Midterm Exam	1	35
Final Exam	1	40
Homework	1	25
	Sum (%)	**100**

Community Service Activity

This course does not include any Community Service activities.