

AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Brain Development								
Course Code		CGB206		Couse Level		First Cycle (Bachelor's Degree)				
ECTS Credit 2		Workload	97 (Hours)	Theory		2	Practice	0	Laboratory	0
Objectives of the Course		An introductory to the structure, function, and dysfunction of the human nervous system.								
Course Content		Physiological basis of psychology, Physiological Psychology is an interdisciplinary science which aims to investigate the interaction between brain and behavior, fundamentally understand of neuronal communication, neuroanatomy, and cognitive phenomena such as memory, emotion and language, How cognitive functions are effected by changes of the underlying neural structure and function								
Work Placement		no								
Planned Learning Activities and Teaching Methods		Methods	Explan	atior	(Presenta	tion), Case Stu	idy			
Name of Lecturer(s)										

Prerequisites & Co-requisities

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Fieley	uisite

CGB201

Assessment Methods and Criteria							
Method	Quantity	Percentage (%)					
Midterm Examination		1	40				
Final Examination		1	60				

Recommended or Required Reading

Carlson NR(2011).Physiological Psychology
Solso,R.L.,Maclin,M.K.,Maclin,O.H.(2007).Cognitive Psychology (ÇeviriA.Ayçiçeği -Dinn) Kitabevi,İstanbul

Week	Weekly Detailed Course Contents					
1	Theoretical	History of Mind/Behavior and Body/ Brain Interaction				
2	Theoretical	Structure and Functions of Neuron of the Nervous System				
3	Theoretical	Structure and Functions of the Central and Periferal Nervous System				
4	Theoretical	Development of the Nervous System				
5	Theoretical	Development of the Nervous System				
6	Theoretical	Frontal Lobe: Structure, Function, Dysfunctions				
7	Theoretical	Parietal Lobe: Structure, Function, Dysfunctions				
8	Theoretical	Occipital Lobe: Structure, Function, Dysfunctions				
9	Theoretical	Temporal Lobe: Structure. Function, Dysfunctions				
10	Theoretical	Limbic Lobe: Structure Function, Dysfunctions				
11	Theoretical	Developmental and Neurological disorders I				
12	Theoretical	Developmental and Neurological disorders II				
13	Theoretical	Brain Dysfunction of Psychiatric Disorder				
14	Theoretical	Methods and strategies using in the evaluation of the brain function				

Workload Calculation

Activity	Quantity Preparation		Duration	Total Workload			
Lecture - Theory	14	3	2	70			
Reading	1	8	1	9			
Midterm Examination	1	8	1	9			
Final Examination	1	8	1	9			
	97						
	4						
*25 hour workload is accented as 1 ECTS							



Learn	ing Outcomes
1	Students will be able to recognize different structures in central and peripheral nervous system
2	To learn brain development from mother-womb
3	Analyze the basic relationships between functions and structures of different areas of the brain using a physiological approach to understanding human behavior
4	Recognize the main neurotransmitter substances and learn the effects of each on behavior
5	Temel beyin yapılarındaki organizasyonu anlar
6	Understand the role of nervous system in psychological and neurological disorders
7	Will discuss the effects of problems in the brain on behavior and emotions.

Programme Outcomes (Child Development)

1	Comparatively evaluate and interpret the reliability and validity of the knowledge he / she has by using the basic and updated theoretical and practical educational and training tools and resources in the field of child development.
2	In line with the theoretical and practical knowledge he has acquired in the field of child development, he has the skills to evaluate children who show typical and atypical development with different methods and tools, develop support programs, provide family counseling and inform the society.
3	Uses his/her knowledge about self-care, physical-motor, cognitive-language, social-emotional development of 0-18 year old children for the developmental and educational diagnosis of children, in the units related to his/her profession for the benefit of children, families and society.
4	Analyzes the problems of their children and their families in terms of health, development, education and social service in the country and produces appropriate solutions and original ideas by using evidence-based knowledge on these problems.
5	Using the basic knowledge in the field of child development, he produces individual and group studies
6	He plans and implements research, professional projects and activities for the social environment in which it lives with the awareness of social responsibility, and monitors and evaluates the process.
7	Acts in accordance with the ethics of science, observes the psychological state of the children and their families in experimental researches on children.
8	Behaves in accordance with laws, regulations and legislation and respectful of democracy, human rights, social, scientific and professional ethical values, presenting an example for the society with his/her attitude, behavior and appearance.
9	Has adequate awareness about quality management and processes, individual and environmental protection and occupational safety issues including infants, children and families, participates and behaves accordingly in these processes.
10	He can integrate her professional knowledge with knowledge from different disciplines, he takes responsibility in multidisciplinary, interdisciplinary and transdisciplinary studies by participating in teamwork and fulfills his duties effectively.
11	Developing the habit of keeping research and learning awareness and knowledge up-to-date throughout life, he knows all the concepts related to development and education for children and young people aged 0-18 and follows the studies on this subject with a critical approach.
12	Using information and communication technologies together with the computer software required by the field.
13	To follow the changes and developments in the field using at least one foreign language.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5	L6
P1	4	4	4	4	4	4
P3	4	4	4	4	4	4
P4	4	4	4	4	4	4
P6	4	4	4	4	4	4
P7	4	4	4	4	4	4
P8	4	4	4	4	4	4
P9	4	4	4	4	4	4
P11	4	4	4	4	4	4