-	Subject Title, code and credit hours Departament Program (bachelor's and master's degree) Associated Term Instructor E-mail: Telephone: Lecture	system 6 ECTS Psychology Bachelor's Spring 2024 Aygun Isgandarova	l physiology of the central nervous		
-	Departament Program (bachelor's and master's degree) Associated Term Instructor E-mail: Telephone:	Psychology Bachelor's Spring 2024 Aygun Isgandarova			
	and master's degree) Associated Term Instructor E-mail: Telephone:	Spring 2024 Aygun Isgandarova			
-	Associated Term Instructor E-mail: Telephone:	Aygun Isgandarova			
-	Instructor E-mail: Telephone:	Aygun Isgandarova			
-	E-mail: Telephone:				
	Telephone:	isgandarovaaygun@gma			
	-	isgandarovaaygun@gmail.com			
	Lecture	-			
		Neftchilar campus			
	room/Schedule				
	Consultations	After the classes- 30 min	nute		
Prerequisites	-				
	English				
3 31	Mandatory				
(mandatory/elective)					
Readings			Textbook for students studying		
		Olga V.Grigoryeva ,2014			
			arry Squire (VA Medical Center San		
	Diego, California University of California, San Diego, La Jolla, California) Darwi Berg (University of California, San Diego La Jolla, California), Floyd Bloom (The Scripps Research Institute La Jolla, California), Sascha du Lac (The Salk				
	Institute La Jolla, California), Anirvan Ghosh (University of California, San Die La Jolla, California), Nicholas Spitzer (University of California, San Diego La Jolla, California 2008, 581-609 pages				
	Anatomy& Physiology.Multi-part Textbook Equity edition retains original academic content as published by Openstax College, and under the terms of their				
	Creative Commons license(CC-BY)2013				
	Creative Commons receise(CC-D 1 /2013				
Teaching methods	Lecture		+		
	Group discussions		+		
	Activities	+			
	Analysis of activities	+			
	Other	+			
Assessment and Grading	Components	Deadlines	Percentage (%)		
- C	Mid Term exam	Week 8	30		
	Being active member	During semester	10		
	of learning				
	community				
	Assignment and Test	Week 15	10		
	Presentation/Group	Weeks 5-14	10		
	discussion				
Course outline	The course begins with	an introduction to medica	l terminology and basic		
			se further treats the systematic and		

	topographic organisation of the nervous system. Explain how neurological		
	disturbances and illnesses can influence sensory, motor, cognitive functions.		
Course objectives	Understanding how the central nervous system is organised and its cellular		
	structure, function. Can describe the functions of the sensory and motor parts of the		
	nervous system.		
Learning outcomes	This course provides students with an understanding of the functional role of the		
	nervous system in providing for the integration of the cells, tissues and organs of the body, and its relationship to the clinical science of chiropractic. Students will be able to:		
	 Identify the major components of the central nervous system distinguishing grey matter from white matter. Understand the basic 		
	neural embryological development and neuro histology.		
	 Distinguish between the different meningeal layers and major cranial 		
	blood vessels. Understand the blood supply of the brain and the formation and absorption of CSF.		
	 Identify the external and internal structure of telencephalon and diencephalon. Understand the function of the cortex, basal ganglia, 		
	thalamus, hypothalamus and pituitary gland.		
	 Describe the connections between the cerebellum and other regions of 		
	the CNS and outline the functional relationships.		
	-		
	 Describe the organization of the spinal grey matter and white matter and explain the major tracts. 		
	• Identify the external and internal structure of the brain stem. Understand the function of each division of the brainstem and each cranial nerve.		
	 Summarize what structures are innervated by each nerve, identifying motor, sensory and parasympathetic innervations. 		
	 Define the major clinical manifestations of each cranial nerve injury. 		
	 Describe the different lobes of the cerebrum, sulci and gyri on the 		
	different surfaces of the cerebral hemisphere.		
Marking criteria	Participation		
maning erroriu	To be prepared to classes, be active during class, ask questions about the topic in discussions and make logical comments according to the topic. At this time, it is important to respect the opinions of other group members, not to divide their words, listen carefully, ask questions and make comments.		
	Organization		
	The project is appropriate for the topic and audience. The information is presented in a logical sequence. References are included		
	Content		
	Introduction is attention-getting, lays out the problem very well, and establishes a framework for the rest of the presentation. Project contains accurate information. Material included is relevant to the overall purpose of the presentation. There is an		
	obvious conclusion summarizing the research.		

Classes	om Behavior	We want to build a alegarage	n climate that is safe for all. It is important that we
Classion	om Denavior	 display respect for all menstudents; pay attention to and partices; avoid unnecessary disruptices conversations, reading the neclasses, making/receiving photon avoid racist, sexist, homopunnecessarily exclude members. 	cipate in all class sessions and activities; ion during class time (e.g. having private wspaper, surfing the Internet, doing work for other one calls, text messaging, etc.); and bhobic, or other negative language that may ers of our campus and classroom. This is not an rather, it represents examples of the types of things
Week		Topics	Readings/Assignments due
1.	Anatomy of the brain		MayfieldClinic.com
2.	Anatomy of the Central Nervous System(CNS)		2006 Pearson Education, Inc., publishing as Benjamin Cummings
3.	Function of the Central Nervous System(CNS)		Anatomy& Physiology.Multi-part Textbook Equity edition retains original academic content as published by Openstax College,and under the terms of their Creative Commons license(CC-BY)2013
4.	Somatosensory System		Fundamental neuroscience third edition Larry Squire (VA Medical Center San Diego, California University of California, San Diego, La Jolla, California) Darwin Berg (University of California, San Diego La Jolla, California),Floyd Bloom (The Scripps Research Institute La Jolla, California),Sascha du Lac (The Salk Institute La Jolla, California), Anirvan Ghosh (University of California, San Diego La Jolla, California), Nicholas Spitzer (University of California, San Diego La Jolla, California 2008, 581-609 pages
5.	Audition.Presenta	ition	Fundamental neuroscience third editionLarry Squire (VA Medical Center San Diego, California University of California, San Diego, La Jolla, California) Darwin Berg (University of California, San Diego La Jolla, California),Floyd Bloom (The Scripps Research Institute La Jolla, California),Sascha du Lac (The Salk Institute La Jolla, California), Anirvan Ghosh (University of California, San Diego La Jolla, California), Nicholas Spitzer (University of California, San Diego La Jolla,

		California 2008, 609—637 pages
6.	Vision	Fundamental neuroscience third edition Larry Squire (VA Medical Center San Diego, California University of California, San Diego, La Jolla, California) Darwin Berg (University of California, San Diego La Jolla, California),Floyd Bloom (The Scripps Research Institute La Jolla, California),Sascha du Lac (The Salk Institute La Jolla, California), Anirvan Ghosh (University of California, San Diego La Jolla, California), Nicholas Spitzer (University of California, San Diego La Jolla, California 2008, 637-663 pages
7.	Organization of spinal cord, spinal nerves and spinal reflexes	Kandel ER. Principles of Neural Science. 5th ed. 2013 Waxman S. Clinical Neuroanatomy. 27th ed. 2013
8.	Midterm exam	
9.	Fundamentals of Motor Systems, Cerebellum	Fundamental neuroscience third edition Larry Squire (VA Medical Center San Diego, California University of California, San Diego, La Jolla, California) Darwin Berg (University of California, San Diego La Jolla, California),Floyd Bloom (The Scripps Research Institute La Jolla, California),Sascha du Lac (The Salk Institute La Jolla, California), Anirvan Ghosh (University of California, San Diego La Jolla, California), Nicholas Spitzer (University of California, San Diego La Jolla, California2008, 663-677 pages, 751-775 pages
10.	The Hypothalamus: An Overview of Regulatory Systems	Fundamental neuroscience third edition Larry Squire (VA Medical Center San Diego, California University of California, San Diego, La Jolla, California) Darwin Berg (Diego La Jolla, California2008, 795-807 pages
11.	Sleep, Dreaming, and Wakefulness	Fundamental neuroscience third edition Larry Squire (VA Medical Center San Diego, California University of California, San Diego, La Jolla, California) Darwin Berg (University of California, 2008, 959-987 pages
12.	Epilepsy-Seizure	
13.	Stroke: Ischemic and Hemorrhagic	The Stroke Recovery Book . A Guide for Patients and Families Second Edition. Kip Burkman, M.D. 2011

14.	Types and Levels of Brain Injury National Institute of Neurological Disor	
		Stroke. Traumatic brain injury: hope through
		research. Bethesda (MD): National Institutes of
		Health; 2002 Feb. NIH Publication No.: 02-158
15.	Parkinson's Disease	Recovery from Parkinson's,Dr.Janice Walton-
		Hadloc,Daom 2013.
16.	Final exam	