Subject Details	Subject Title, code	PSYC 417, Nervous System	: Higher Nerveous Activity and	
J	and credit hours	Somotosensory System, 6 ECTS		
	Department	Psychology		
	Program (bachelor's	Bachelor's degree		
	and master's degree)			
	Associated Term	Fall semester, 2024		
	Instructor	Zeynalova Aygun		
	E-mail:	isgandarovaaygun@gmail.com		
	Phone	+994 55 268 29 30		
	Lecture	Nefchilar campus		
	room/Schedule	1		
	Consultations	After the classes- 30 minute		
Teaching language	English			
Subject type	Mandatory			
(mandatory/elective)				
Readings	Change Your Brain, Change Your Life (Revised and Expanded): The Breakthrough			
Program for Conquering Anxiety, Depression, Obsessiveness, Lack of F				
	and Memory Problems Paperback – November 3, 2015			
	By Daniel G. Amen M.D			
	Textbook of Medical Pl	hysiology – Twelfth Edition b	y Guyton and Hall	
Teaching methods	Lecture		+	
-	Group discussions		+	
	Activities	+		
	Analysis of activities	+		
	Other		+	
Assessment and	Components	Deadlines	Percentage (%)	
Grading	Attendance	During semester	5	
	Participation	During semester	5	
	Quiz I	Until midterm exam	5	
	Midterm Exam	Week 8	30	
	Presentation/Group	During semester	10	
	discussion	During semester	10	
	Quiz II	Until final exam	5	
Course outline		L	•	
Course outline	This course provides a comprehensive exploration of the higher nervous system and			
	somatosensory system, delving into the complex mechanisms underlying cognition,			
	emotion, and sensation. Students will gain a deep understanding of the brain's role in			
	processing information, controlling movement, and regulating physiological			
	functions.			
Course objectives	By the end of this course, students will be able to:			
	Explain the key structures and functions of the higher nervous system and     semetosensory system.			
	somatosensory system.  Describe the neural mechanisms underlying various cognitive, emotional			
	Describe the neural mechanisms underlying various cognitive, emotional, and sensory processes.			
	and sensory processes.  A palyze the role of the brain in regulating behavior and physiological			
	Analyze the role of the brain in regulating behavior and physiological functions.			
	functions.  Apply their knowledge to understand and interpret research findings in			
	Apply their knowledge to understand and interpret research findings in neuroscience.			
	<ul><li>neuroscience.</li><li>Critically evaluate different theoretical perspectives on higher nervous</li></ul>			
	Critically evaluate different theoretical perspectives on higher nervous activity and the somatosensory system.			
	activity and the somatosensory system.			

## Students will: Learning Outcomes Understand brain structures and functions. Describe neural mechanisms. Analyze research findings. • Evaluate theoretical perspectives. Apply knowledge to real-world phenomena. Communicate effectively on neuroscience topics. Recognize the importance of neuroscience research. Demonstrate ethical considerations in neuroscience. Marking Criteria Attendance Regular Attendance: Attends class sessions consistently, with minimal absences. Punctuality: Arrives on time for class sessions. **Participation** • Active Engagement: Regularly contributes to class discussions and activities. Quality of Contributions: Offers thoughtful and insightful comments that demonstrate understanding of the material. Respectful Dialogue: Listens attentively to others and engages in respectful and constructive dialogue. Quiz I Knowledge and Understanding: Demonstrates a clear understanding of the key concepts, and theories covered in the first half of the semester. Application: Can effectively apply theoretical knowledge to real-world scenarios and case studies related to the covered material. Accuracy: Answers questions accurately and comprehensively.

## Midterm Exam

- Knowledge and Understanding: Demonstrates a clear understanding of key concepts and theories related to Nervous System: Higher Nerveous Activity and Somotosensory System.
- Critical Thinking: Applies critical thinking skills to analyze and evaluate information, drawing logical conclusions and making well-supported arguments.
- Clarity and Organization: States ideas clearly and logically, using appropriate language and structure.

## Quiz II

- Knowledge and Understanding: Demonstrates a clear understanding of the key concepts and theories covered in the second half of the semester.
- Application: Can effectively apply theoretical knowledge to real-world scenarios and case studies related to the remaining material.
- Accuracy: Answers questions accurately and comprehensively.

Final Exam		Final Exam		
Rules (educational policy and behavior)		<ul> <li>Comprehensive Understanding: Demonstrates a comprehensive understanding of the course material, including key concepts and theories.</li> <li>Critical Thinking and Application: Applies critical thinking skills to analyze and evaluate information, and effectively applies theoretical knowledge to real-world scenarios.</li> <li>Problem-Solving: Can solve problems related to psychopathology, demonstrating a deep understanding of the subject matter.</li> <li>Clarity and Organization: States ideas clearly and logically, using appropriate language and structure.</li> <li>We want to build a classroom climate that is safe for all. It is important that we</li> <li>display respect for all members of the classroom – including the instructor and students;</li> <li>pay attention to and participate in all class sessions and activities;</li> <li>avoid unnecessary disruption during class time (e.g. having private conversations, reading the newspaper, surfing the Internet, doing work for other classes, making/receiving phone calls, text messaging, etc.);</li> <li>avoid racist, sexist, homophobic, or other negative language that may unnecessarily exclude members of our campus and classroom. This is not an exhaustive list of behaviors; rather, it represents examples of the types of things that can have a dramatic impact on the class environment.</li> </ul>		
Week		Topics	Reference	
		- op o	Reference	
1.		o Nervous System: Higher Nerveous Activity and	Reference	
1.	Somotosenson Organization	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of	Textbook of Medical Physiology	
2.	Somotosenson Organization Synapses, and	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters	Textbook of Medical Physiology - Chapter 45, pp. 543-557	
	Somotosenson Organization Synapses, and Sensory Rece	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology	
2.	Somotosensor Organization Synapses, and Sensory Rece Information	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology - Chapter 46, pp. 559-569	
2.	Somotosensor Organization Synapses, and Sensory Rece Information Somatic Sens Position Sens	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing ations: I. General Organization, the Tactile and es	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology - Chapter 46, pp. 559-569 Textbook of Medical Physiology - Chapter 47, pp. 571-581	
2.	Somotosensor Organization Synapses, and Sensory Rece Information Somatic Sens Position Sens	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing ations: I. General Organization, the Tactile and	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology - Chapter 46, pp. 559-569 Textbook of Medical Physiology	
2. 3. 4.	Somotosensor Organization Synapses, and Sensory Rece Information Somatic Sens Position Sens	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing ations: I. General Organization, the Tactile and es	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology - Chapter 46, pp. 559-569 Textbook of Medical Physiology - Chapter 47, pp. 571-581 Textbook of Medical Physiology	
2. 3. 4. 5.	Somotosensor Organization Synapses, and Sensory Rece Information Somatic Sens Position Sens Somatic Sens Quiz I	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing ations: I. General Organization, the Tactile and es	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology - Chapter 46, pp. 559-569 Textbook of Medical Physiology - Chapter 47, pp. 571-581 Textbook of Medical Physiology - Chapter 48, pp. 583-592 Textbook of Medical Physiology	
2. 3. 4. 5.	Somotosensor Organization Synapses, and Sensory Rece Information Somatic Sens Position Sens Somatic Sens Quiz I States of Brai	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing ations: I. General Organization, the Tactile and es ations: II. Pain, Headache and Thermal Sensations II. Pain, Headache and Thermal Sensations	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology - Chapter 46, pp. 559-569 Textbook of Medical Physiology - Chapter 47, pp. 571-581 Textbook of Medical Physiology - Chapter 48, pp. 583-592	
2. 3. 4. 5. 6.	Somotosensor Organization Synapses, and Sensory Rece Information Somatic Sens Position Sens Somatic Sens Quiz I States of Brai Psychoses Midterm Exam	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing ations: I. General Organization, the Tactile and es ations: II. Pain, Headache and Thermal Sensations II. Pain, Headache and Thermal Sensations	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology - Chapter 46, pp. 559-569 Textbook of Medical Physiology - Chapter 47, pp. 571-581 Textbook of Medical Physiology - Chapter 48, pp. 583-592 Textbook of Medical Physiology	
2. 3. 4. 5. 6. 7.	Somotosensor Organization Synapses, and Sensory Rece Information Somatic Sens Position Sens Somatic Sens Quiz I States of Brai Psychoses Midterm Exam Higher Nervo Reflexes	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing ations: I. General Organization, the Tactile and es ations: II. Pain, Headache and Thermal Sensations on Activity—Sleep, Brain Waves, Epilepsy,	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology - Chapter 46, pp. 559-569 Textbook of Medical Physiology - Chapter 47, pp. 571-581 Textbook of Medical Physiology - Chapter 48, pp. 583-592  Textbook of Medical Physiology - Chapter 59, pp. 721-727  Textbook of Medical Physiology - Chapter 60, pp. 836-849 Change Your Brain, Change	
2. 3. 4. 5. 6. 7. 8. 9.	Somotosensor Organization Synapses, and Sensory Rece Information Somatic Sens Position Sens Somatic Sens Quiz I States of Brai Psychoses Midterm Exam Higher Nervo Reflexes	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing ations: I. General Organization, the Tactile and es ations: II. Pain, Headache and Thermal Sensations II. Pain, Headache and Thermal Sensations on Activity—Sleep, Brain Waves, Epilepsy, In Activity—Conditioned and Unconditioned on Prescriptions	Textbook of Medical Physiology - Chapter 45, pp. 543-557 Textbook of Medical Physiology - Chapter 46, pp. 559-569 Textbook of Medical Physiology - Chapter 47, pp. 571-581 Textbook of Medical Physiology - Chapter 48, pp. 583-592  Textbook of Medical Physiology - Chapter 59, pp. 721-727  Textbook of Medical Physiology - Chapter 60, pp. 836-849 Change Your Brain, Change Your Life - pp. 105-132 Change Your Brain, Change	
2. 3. 4. 5. 6. 7. 8. 9.	Somotosensor Organization Synapses, and Sensory Rece Information Somatic Sens Position Sens Somatic Sens Quiz I  States of Brait Psychoses Midterm Exant Higher Nervo Reflexes Limbic System Basal Ganglia	o Nervous System: Higher Nerveous Activity and ry System of the Nervous System, Basic Functions of I Neurotransmitters ptors, Neuronal Circuits for Processing ations: I. General Organization, the Tactile and es ations: II. Pain, Headache and Thermal Sensations II. Pain, Headache and Thermal Sensations on Activity—Sleep, Brain Waves, Epilepsy, In Activity—Conditioned and Unconditioned on Prescriptions	Textbook of Medical Physiology - Chapter 45, pp. 543-557  Textbook of Medical Physiology - Chapter 46, pp. 559-569  Textbook of Medical Physiology - Chapter 47, pp. 571-581  Textbook of Medical Physiology - Chapter 48, pp. 583-592  Textbook of Medical Physiology - Chapter 59, pp. 721-727  Textbook of Medical Physiology - Chapter 60, pp. 836-849  Change Your Brain, Change Your Life - pp. 105-132	

Change Your Brain, Change Your Life - pp. 188-205

14.

Quiz II

15.	Temporal Love Prescription	Change Your Brain, Change Your Life - pp. 245-263
16.	Final Exam	