

Theoretical Sessions

	Lecturer	sessions	Major Title	Descriptions	Time	Class type
1	Dr. Banihashemi	Session1	What is cognitive sciences? The necessity of inter-disciplinary researches	Definitions and extent of the cognitive sciences. What, when and who?	Sunday (June,7) 17 khordad 16-18	Theoretical session
2	Dr. Alvani	Session1	Neuro-Linguistic Programming (NLP)	The fundamental concepts of Neuro-Linguistic Programming (NLP), focusing on the relationship between cognition, language, and behavior.	Monday (June,8) 18 khordad 16-18	Theoretical session
3	Dr. Sheikh Rezaei	Session1	What Is Mind? From Descartes to Cognitive Science	An exploration of the emergence of the mind-body problem, Cartesian dualism and its challenges, the cognitive revolution, the computational view of mind, and the question of whether the mind can be fully understood as information processing.	Tuesday (June,9) 19 khordad 16-18	Theoretical session
4	Dr. Banihashemi	Session2	Brain	A detailed perspective of human brain and its evolution. Neurons, inter-neural connections and neuronal hubs	Sunday (June,14) 24 khordad 16-18	Theoretical session
5	Dr. Sheikh Rezaei	Session2	Consciousness, Self, and the Problem of Experience	An examination of consciousness, qualia and subjective experience, the	Tuesday (June,16) 26 khordad 16-18	Theoretical session

				concept of self, embodied cognition, and the debate over whether human experience can be reduced to physical explanations.		
6	Dr Bordbar	Session1	The Philosophy of Altered States – Mysticism as Cognition	An exploration of altered states of consciousness and the possibility of understanding mystical experiences as forms of cognition.	Wednesday (June,17) 27 khordad 16-18	Theoretical session
7	Dr. Bordbar	Session2	Language as a Bridge to and from Mind– Body Dynamics	An examination of the relationship between language, mental processes, and embodied experience.	Saturday (June,20) 30 khordad 16-18	Theoretical session
8	Dr. Banihashemi	Session3	Human Ethology	Human thoughts, affection, attitudes and behavior : neurobiological and genetics phenomenology	Sunday (June,21) 31 Khordad 16-18	Theoretical session
9	Dr. Sheikh Rezaei	Session3	Philosophy of Cognitive Neuroscience	A discussion of what cognitive neuroscience explains, reductionism and emergentism, free will, artificial intelligence and mentality, and philosophical and cultural critiques of cognitive science.	Tuesday (June,23) 2 Tir 16-18	Theoretical session
10	Dr. Bordbar	Session3	Hedonism, Stoicism, and the Neuro-Economy of Pleasure	A discussion of pleasure, well-being, decision-making, and the psychological and neuro-scientific foundations of different approaches to human flourishing.	Saturday (June,27) 6 Tir 16-18	Theoretical session
11	Dr. Banihashemi	Session4	Neuro-biologic Measures	Laboratory measures and their applications in human behavior assessment techniques	Sunday (June,28) 7 Tir 16-18	Theoretical session

12	Dr. Bordbar	Session4	On Free Will and Agency	An investigation of free will, personal agency, responsibility, and their implications within psychology and judicial systems.	Wednesday (July,1) 10 Tir 16-18	Theoretical session
13	Dr Bordbar	Session5	Memory Manipulation – Ethics and Identity	An analysis of the ethical implications of volatility of memory and its impact on personal identity	Saturday (July,4) 13 Tir 16-18	Theoretical session
14	Dr. Sa'adat	Session1	"The Magic Bullet" vs. The Whole Web	Comparing old-school drug discovery to modern design. A story about how science changed its mind on how to fix things.	Sunday (July,5) 14 Tir 09-11	Theoretical session
15	Dr. Sa'adat	Session2	Molecular Messages: How Chemicals "Talk"	How tiny changes in a molecule's shape completely change what it does.	Wednesday (july,8) 17 Tir 09-11	Theoretical session
16	Dr. Sa'adat	Session3	Systems Chemistry: How Chaos Flips into Order	How big, organized things grow out of small, simple parts.	Sunday (July,12) 21 Tir 09-11	Theoretical session

Practical Sessions

	Lecturer	sessions	Major Title	Descriptions	Time	Class type
1	Dr. Ab Ravani	Session1	Foundations of Neuroscience and EEG Physiology Data Acquisition, Preprocessing, and Quality Control	Introduction to the electrophysiological basis of brain activity, EEG frequency bands, key EEG metrics, artifacts and error sources, and recording standards including electrode placement systems. Methods of EEG recording, filtering, sampling parameters, artifact correction, quality	Thurseday (July,2) 11 Tir 16-19	Practical session

				control procedures, and principles of scientific reporting		
2	Dr. Ab Ravani	Session2	Quantitative EEG (QEEG): From Basic to Advanced Analysis	Feature extraction, spectral and time-frequency analysis, normative databases, brain mapping, topographical interpretation, and functional connectivity measures..	Thursday (July,9) 18 Tir 16-19	Practical session
3	Dr. Ab Ravani	Session3	Neuroimaging and Brain Mapping Applications	The role of EEG/QEEG alongside fMRI, PET, SPECT, MEG, and fNIRS, including localization concepts, multimodal integration, ethics, and clinical interpretation.	Thursday (July,16) 25 Tir 16-19	practical session
4	Dr. Banihashemi, Dr Bordbar and Dr. Sa'adat	Session4	Research designing and practice		Sunday (July,19) 28 Tir 16-19	Practical session
5	Dr. Banihashemi, Dr Bordbar and Dr. Sa'adat	Session5	Research designing and practice		Tuesday (July,21) 30 Tir 16-19	practical session
6	Dr. Banihashemi, Dr Bordbar and Dr. Sa'adat and Dr. Ab Ravani	Session6	Research proposal analyses		Thurseday23 (July,23) 1 Mordad 16-19	Practical session