



Integral University, Lucknow

Effective from Session: 2023-2024							
Course Code	HS406	Title of the Course	Cognitive Psychology II, Language, Problem solving & Decision Making	L	T	P	C
Year	I	Semester	II	4	0	0	4
Pre-Requisite	Graduation	Co-requisite	None				
Course Objectives	To acquaint students with the basic concepts of cognitive psychology. To develop an understanding of attention, perception, memory and imagery.						
Course Outcomes							
CO1	Students will be able to Recognize, understand the major structures and functions of the brain						
CO2	Students will be able to understand and Analyze the use of models and process of language comprehension						
CO3	Students will be able to understand the structure and approaches of brain functional						
CO4	Students will be able to understand scientific cognitive process						
CO5	Students will be able to understand the approaches of creativity, discover the mental models.						

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	MAJOR STRUCTURES AND FUNCTIONS OF THE BRAIN	Forebrain, Midbrain, Hindbrain, Cerebral cortex, and prefrontal cortex; Frontal lobe, Parietal lobe, Temporal lobe, and Occipital lobe.	10	CO1
2	LANGUAGE COMPREHENSION	Sentence processing, pragmatics, inner speech; Theories of language comprehension – Capacity theory, Discourse processing; Language production – speaking, writing and bilingualism.	10	CO2
3	PROBLEM SOLVING	Structure of Problems: Well-defined and Ill-defined problems; Perspectives: Gestalt, Newell and Simon’s Information Processing theory, problem space; Approaches: Means-end heuristics, Analogy Approach.	8	CO3
4	REASONING AND DECISION MAKING	Types of reasoning: syllogistic, conditional; Decision making- Types of decisions: The Representative Heuristic, Probability Heuristic; Factors operating in decision making: Loss aversion, Framing, Perceived justification and Self-esteem.	9	CO4
5	CREATIVITY	General approaches to creativity, discovery using mental models.	9	CO5

Reference Books:

- Best, J.B. (1995). Cognitive Psychology. Fourth Edition. West Publishing Company
- Eysenck, M. V and Keane, M (1990) – Cognitive Psychology
- Matlin, M.W. (1995). Cognition. Third Edition. A Prism India Edition
- Sternberg, R.J. (1977) – Intelligence, Information Processing and Analogical Reasoning – The componential analysis of Human abilities, Hillsdale, N.J. Earlbaum
- Sternberg, R.J. (1994) (Ed.) – Handbook of Perception and cognition (Vol. 12) New York – Academic Press
- Sternberg, R.J. (1996) – Cognitive Psychology, Holt Rinehart and Winston Inc

e-Learning Source:

- <https://my.clevelandclinic.org/health/body/22638-brain>
- https://us.sagepub.com/sites/default/files/upm-assets/43694_book_item_43694.pdf
- https://us.sagepub.com/sites/default/files/upm-assets/71415_book_item_71415.pdf

Course Articulation Matrix: (Mapping of COs with POs and PSOs)

PO-PSO CO	Course Articulation Matrix: (Mapping of COs with POs and PSOs)															
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	
CO1	1	2	2	1	2	3	1	2	3	2	2	2	3	3	3	
CO2	2	1	1	2	2	1	2	2	3	3	1	2	2	3	2	
CO3	2	2	1	1	2	2	2	2	1	3	2	2	1	2	2	
CO4	2	2	2	2	2	2	3	2	3	2	2	2	2	2	2	
CO5	1	1	2	2	1		1	2	2	2	2	2	3	1	3	

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	Sign & Seal of HoD
------------------------------------	--------------------