

Course Type	Course Code	Name of Course	L	T	P	Credit
DE	NHSD526	Psychology of Reasoning	3	0	0	3

<b>Pre-requisite</b>
This is an advanced course and requires knowledge of topics covered in courses like introductory /cognitive/social psychology or quantitative research methods.
<b>Course Objective</b>
Understand current psychological account of the human thought process and take up further research in the area
<b>Learning Outcomes</b>
Upon successful completion of this course, students should: <ol style="list-style-type: none"> <li>1. Have acknowledge of the methods used to study human thinking with a focus on reasoning</li> <li>2. Understand the various ways of organizations of human thought</li> <li>3. Develop familiarity with the mechanisms of human thought process especially reasoning</li> </ol>

Unit No.	Topics to be Covered	Lecture Hours	Learning Outcome
1	<b>Foundations:</b> Historical Development, Basic ideas, Methods of studying human thought.	3	Have a broad overview of the human thought process, its history of the field and the methods used for studying thought
2	<b>Building Blocks of Thought:</b> Similarity. Concepts and Knowledge representations. Influence of language of thought	6	Develop an understanding of the foundational concepts needed to understand reasoning – similarity, knowledge structures, and language
3	<b>Deductive Reasoning:</b> Classical Paradigm: Syllogisms, Conditionals, Disjunctions, Facilitators of Reasoning	6	Develop an understanding of the basic form reasoning – deduction, its phenomenology, research finding and influence of contexts on deductive reasoning.
4	<b>Explanations of Reasoning:</b> Theories of reasoning, New Paradigms of Reasoning,	9	Understand and appreciate the role of psychological research in understanding reasoning and modern approaches to uncover the reasoning processes.
5	<b>Inductive Reasoning :</b> Nature of inductive reasoning, Categorical Induction, Causal reasoning, explanation and abduction	12	Understand the concept of induction and various types of induction. Beable To appreciate the psychology of explanations and abductive inferences.
6	<b>Analogical Reasoning:</b> Analogy in cognition, processes, analogy as the core of cognition	6	Understand the concept, process and psychological bases of analogical reasoning and its influence on cognitive processes.
<b>Total Lecture Hours</b>		42	

**Textbooks:**

1. Manktelow, K. (2012). **Thinking and Reasoning**. London: Psychology Press
2. Sternberg, R.J.& Funke, J. (2019). *The Psychology of Human Thought: An Introduction*. Heidelberg: Heidelberg University Publishing
3. Holyoak, K.J. & Morrison, R.G. (2012). *The Oxford Handbook of Thinking and Reasoning*. New York: Oxford University Press

**References:**

1. Feeney, A. & Heit, E. (Ed.). (2007). *Inductive Reasoning*. Cambridge University Press
2. Genter, D., Holyoak, K.J., & Kokinov, B. N. (2002). *The Analogical Mind*. MIT
3. Minda, J.P. (2021). *The Psychology of Thinking*. London: SAGE