



INTRODUCTION TO ADVANCED COGNITIVE PROCESSES

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INTENDED AUDIENCE : UG & PG Students interested in Psychology in General & Cognitive Psychology in Particular. Also, students interested in Cognitive Sciences will find this course useful. Professionals working in user interface designs will also find the material insightful.

COURSE OUTLINE :

This course serves as a general introduction to the field of cognitive psychology. Cognitive psychology is referred to as the scientific study of advanced mental processes, such as organization of knowledge, reasoning, decision-making, language, problem solving, emotion etc. Following up on the course on basic cognitive processes the current course will build up on how the basic mental processes like memory, attention & perception give rise to higher-level cognitive processes. I will also talk about the methods used in contemporary Cognitive Psychology to investigate how these higher mental processes are used to achieve the desired outcomes. Some of the lectures will be about making students abreast of recent research in each of these topics

ABOUT INSTRUCTOR :

Prof. Ark Verma have done his Bachelor's Degree in Psychology & English Literature from the University of Allahabad in 2007. After that he did my Master's Degree in Cognitive Science at the Centre of Behavioral & Cognitive Sciences, University of Allahabad in 2009. He joined the PhD program in the Department of Experimental Psychology at Ghent University, Belgium in January 2010 & was awarded his PhD in 2014. He joined IIT Kanpur as an Assistant Professor of Psychology in May 2015. he research lies in the field of Cognitive Psychology (Lateralisation, Symmetry Detection, Attention) & Psycholinguistics (Visual Word Recognition & Bilingualism).

COURSE PLAN :

Week 1 : Language

Week 2 : Knowledge & Mental Imagery

Week 3 : Reasoning & Decision Making

Week 4 : Problem Solving & Creativity

Week 5 : Individual Differences

Week 6 : Cognitive Development

Week 7 : Expertise, Cognition & Emotion

Week 8 : Cognitive Disorders