

CPSY - 212
COGNITIVE PSYCHOLOGY

Credit Hours: 3

Type: Major

Course Objectives

This course provides an understanding of the mental processes involved in cognition, perception, attention, memory, thinking, language and reasoning processes. The core focus will be on how information is received, perceived, filtered, stored, retrieved and conveyed which will provide an understanding of the mental processes through which information is acquired, processed and conveyed.

Course Contents

Introduction

Nature and Scope of Cognitive Psychology

Historical Perspective

Attention & Perception

Functions of attention

Theories of attention

Processes of attention

Approaches to Perception: Bottom Up theories, Top Down Approaches, Gestalt Approaches

Deficits in perception

Memory

Modes of Memory

Theories of Memory

Process of forgetting and memory distortion

Knowledge Representation

Representing concepts

Propositions and images

Models of knowledge representation

Knowledge & memory

Thinking and Problem solving

Types of thinking

General model of problem solving

Mean –end Analysis

Problem Solving by Analogy

Heuristic and algorithms

Blocks to problem solving

Reasoning

Deductive and inductive reasoning

Conditional reasoning

Syllogistic reasoning

Approaches to reasoning

Language

Structure of language

Language comprehension & production

Language and cognition

Learning Outcomes

After completing this course students will be able to:

Think critically about the internal processes involved in human cognition and articulate the basic principles, major theories, and research concerning higher mental processes.

Teaching-learning Strategies

Use of multimedia/slides

Assignments

Handouts

Group discussions

Reflective notes

Quiz

Assignments

One assignment and quiz will be given to the students.

The quiz will be taken before mid-term examination while assignment will be taken after mid-term examination.

Recommended Books

Friedenberg, J. (2012). *Cognitive science* (2nd ed.). Los Angeles: Sage.

Galotti, K. M. (2013). *Cognitive psychology in and out of the laboratory*. New York: SAGE Publications.

Groome, D. (2013). *An introduction to cognitive psychology: Processes sand disorders*. London: Psychology Press.

Kellogg, R. T. (2012). *Fundamentals of cognitive psychology* (2nd ed.). Los Angeles: Sage.

Medin, D., & Ross, B. (2005). *Cognitive psychology*. (4th ed.). UK: John Wiley Inc.

Parkin, A. J. (2013). *Essential cognitive psychology: Classic edition*. Hove, East Sussex: Routledge.

Reed, S. K. (2000). *Cognition* (5th ed.). Belmont: Wadsworth / Thomson Learning.

Reisberg, D. (2013). *The Oxford handbook of cognitive psychology*. Oxford: Oxford University Press

Robinson-Riegler, G. (2012). *Cognitive psychology* (2nd ed.). Singapore: Pearson South Asia Pvt. Ltd

Sternberg, R. J., Sternberg, K., & Mio, J. S. (2012). *Cognitive psychology*. Australia: Wadsworth/ Cengage Learning