

SS5750: PERCEPTION AND COGNITION

Effective Term

Semester B 2024/25

Part I Course Overview

Course Title

Perception and Cognition

Subject Code

SS - Social and Behavioural Sciences

Course Number

5750

Academic Unit

Social and Behavioural Sciences (SS)

College/School

College of Liberal Arts and Social Sciences (CH)

Course Duration

One Semester

Credit Units

3

Level

P5, P6 - Postgraduate Degree

Medium of Instruction

English

Medium of Assessment

English

Prerequisites

MSSPSY Students: Nil

Non-MSSPSY Students: SS1101 Basic Psychology or its equivalent

Precursors

Nil

Equivalent Courses

Nil

Exclusive Courses

Nil

Part II Course Details

Abstract

This course aims to develop students' ability in understanding knowledge and insights of cognitive psychology, and to foster their positive attitudes toward the application of theoretical concepts of cognitive psychology to human cognition.

Course Intended Learning Outcomes (CILOs)

CILOs		Weighting (if app.)	DEC-A1	DEC-A2	DEC-A3
1	describe principle theories, concepts, and research paradigms relevant to cognitive psychology;	30	x		
2	analyze the link between research in cognitive psychology and everyday experiences;	20	x	x	x
3	compare and contrast different approaches to understanding human information processing through conducting empirical studies; and	30	x	x	
4	evaluate the application of theories and principles in cognitive psychology to real life settings.	20	x	x	x

A1: Attitude

Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: Ability

Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to real-life problems.

A3: Accomplishments

Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

Learning and Teaching Activities (LTAs)

LTAs		Brief Description	CILO No.	Hours/week (if applicable)
1	Lectures	Major theories, principles and models in cognitive psychology are described and explained. Students will be engaged in discussion and interaction that serve to stimulate their thinking on different topics in cognitive psychology.	1, 2, 4	

2	Group project	- Students will be required to analyse and present empirical data collected via the online studies or laboratory experiments in a scientific format. - Promote students' discovery about the linkage between research and everyday experiences. - Evaluate different approaches to understand human cognitions.	1, 2, 3, 4	
3	Laboratories	- To teach concepts related to the experimental basis of research in cognitive psychology through designing and conducting online studies or laboratory experiments. - To familiarize students with major experimental paradigms for generating and testing specific hypotheses.	1, 2, 3, 4	

Assessment Tasks / Activities (ATs)

	ATs	CILO No.	Weighting (%)	Remarks (e.g. Parameter for GenAI use)
1	Two Quizzes (50%)	1, 2, 3, 4	50	
2	Experimental Report (25%)	1, 3, 4	25	
3	Group Project (25%)	2, 3, 4	25	

Continuous Assessment (%)

100

Assessment Rubrics (AR)**Assessment Task**

1. Quizzes (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

The two quizzes are designed to assess students' knowledge in cognitive psychology

Excellent

(A+, A, A-) Excellent grasp of teaching materials and extensive knowledge in theories and concepts of cognitive psychology

Good

(B+, B, B-) Reasonable understanding of theoretical concepts of cognitive psychology

Fair

(C+, C, C-) A basic understanding of concepts of cognitive psychology.

Marginal

(D) Limited familiarity with concepts of cognitive psychology.

Failure

(F) Little evidence of familiarity with concepts of cognitive psychology.

Assessment Task

2. Experimental report (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Each student is required to submit an individual experimental report using data collected from experiments.

Excellent

(A+, A, A-) Demonstration of an outstanding ability to analyze and interpret research data, and critically evaluate the application of theoretical concepts to everyday cognitive functioning.

Good

(B+, B, B-) The experimental report is adequately written with proper integration of past literature and interpretation of research findings.

Fair

(C+, C, C-) Findings of the experimental report are descriptive in nature without much critical evaluation.

Marginal

(D) Theoretical concepts and research findings are poorly integrated in the report.

Failure

(F) Little evidence of familiarity with the subject issue. The report is poorly written, and limited knowledge of cognitive psychology is shown.

Assessment Task

3. Group project (for students admitted before Semester A 2022/23 and in Semester A 2024/25 & thereafter)

Criterion

Students are required to work in a small group, design and create an experiment in cognitive psychology, collect and analyse the data, and present the findings.

Excellent

(A+, A, A-) Demonstration of an excellent ability to create the experiment, synthesize the relevant literature on the selected topic, systematically analyse the data, and critically evaluate the findings with reference to its application in everyday experiences.

Good

(B+, B, B-) Showing a good capability to create the experiment, analyse empirical data and link theoretical concepts with everyday experiences

Fair

(C+, C, C-) Limited capability to create the experiment, synthesize theoretical concepts and integrate research findings with everyday cognitive functioning.

Marginal

(D) Limited familiarity with experiment creation and the subject issue. Poor application of the theoretical models.

Failure

(F) Fail to create a runnable experiment and inability to integrate past research on cognitive psychology.

Assessment Task

1. Quizzes (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

The two quizzes are designed to assess students' knowledge in cognitive psychology

Excellent

(A+, A, A-) Excellent grasp of teaching materials and extensive knowledge in theories and concepts of cognitive psychology

Good

(B+, B) Reasonable understanding of theoretical concepts of cognitive psychology

Marginal

(B-, C+, C) Limited familiarity with concepts of cognitive psychology.

Failure

(F) Little evidence of familiarity with concepts of cognitive psychology.

Assessment Task

2. Experimental report (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Each student is required to submit an individual experimental report using data collected from experiments.

Excellent

(A+, A, A-) Demonstration of an outstanding ability to analyze and interpret research data, and critically evaluate the application of theoretical concepts to everyday cognitive functioning.

Good

(B+, B) The experimental report is adequately written with proper integration of past literature and interpretation of research findings.

Marginal

(B-, C+, C) Theoretical concepts and research findings are poorly integrated in the report.

Failure

(F) Little evidence of familiarity with the subject issue. The report is poorly written, and limited knowledge of cognitive psychology is shown.

Assessment Task

3. Group project (for students admitted from Semester A 2022/23 to Summer Term 2024)

Criterion

Students are required to work in a small group, design and create an experiment in cognitive psychology, collect and analyse the data, and present the findings.

Excellent

(A+, A, A-) Demonstration of an excellent ability to create the experiment, synthesize the relevant literature on the selected topic, systematically analyse the data, and critically evaluate the findings with reference to its application in everyday experiences.

Good

(B+, B) Showing a good capability to create the experiment, analyse empirical data and link theoretical concepts with everyday experiences

Marginal

(B-, C+, C) Limited familiarity with experiment creation and the subject issue. Poor application of the theoretical models.

Failure

(F) Fail to create a runnable experiment and inability to integrate past research on cognitive psychology.

Part III Other Information

Keyword Syllabus

Models in cognitive psychology; sensing and perceiving; visual perception; attention; memory; memory errors; eyewitness testimony; knowledge representation and organization; problem solving; reasoning; decision making; language.

Reading List**Compulsory Readings**

Title	
1	Cognition: Pearson New International Edition, 5/E by Mark H. Ashcraft and Gabriel A. Radvansky. Pearson. (ISBN-10: 1292021470; ISBN-13: 9781292021478)

Additional Readings

Title	
1	Please refer to the updated course syllabus distributed from your instructor(s).