

Liverpool John Moores University

Title: BIOLOGICAL, COGNITIVE AND DEVELOPMENTAL PSYCHOLOGY
Status: Definitive
Code: **5101PSYSCI** (117436)
Version Start Date: 01-08-2021
Owning School/Faculty: Psychology
Teaching School/Faculty: Psychology

Team	Leader
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Academic Level: FHEQ5 **Credit Value:** 24 **Total Delivered Hours:** 45

Total Learning Hours: 240 **Private Study:** 195

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Lecture	38
Online	6

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	DEV ESSAY	DEVELOPMENTAL ESSAY	33	
Essay	BIO ESSAY	BIOLOGICAL ESSAY	33	
Exam	EXAM	EXAM	34	1

Aims

1. To encourage students to consider the relationship between biological, cognitive

and developmental processes.

2. To evaluate research into physiological mechanisms underlying a range of psychological processes.

3. To show how technological development allows us to address philosophical issues in psychology, including reductionism and the identification of neural correlates of consciousness.

4. To describe the basic components of language and evaluate different theories of language development.

5. To illustrate and explore the development of reading skills in young children.

6. To examine the major areas of psychological research in human cognition.

7. To examine the relative merits of laboratory versus everyday approaches to understanding human cognition

Learning Outcomes

After completing the module the student should be able to:

- 1 Critically discuss issues in the development of key skills in young children, including language and reading abilities.
- 2 Demonstrate a working knowledge of neuroanatomy and a critical understanding of neurophysiological systems.
- 3 Discuss key issues in cognitive psychology using research evidence to support arguments in favour and against a range of cognitive theories.

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

DEVELOPMENTAL ESSAY	1
BIOLOGICAL ESSAY	2
EXAM	3

Outline Syllabus

Basic neuroanatomy and neural systems. The neurophysiology of sleep, sensory and perceptual processes, motivation and stress. Cognitive processes involved in perception, memory, thinking and attention. Developmental principles of language and reading.

Learning Activities

Lecture attendance, independent study, formative e-tivities, online conferencing.

Notes

This module advances students knowledge of three key areas of psychology. In the first part of the module students will study the development of major cognitive processes, including language and reading skills in young children. In the second part of the module students be explore basic neurophysiological processes including the structure and mechanisms of the brain. They will then relate this to systems involved in sleep, sensory and perceptual processes, motivation and stress. In the final part of the module students will examine key advances in the understanding of human cognition, including theories of perception, memory, thinking and attention. Throughout the module students will be encouraged to consider how our understanding of biology processes underpins our understanding of cognitive processes.