

MODULE CODE: ECAP4002
TITLE: Introduction to Biological and Cognitive Psychology
DATED: 26/04/2018

LEVEL: 4
CREDITS: 20

JACS CODE: C810

AIM(S)

- To introduce students to the theories and applications of the biological basis of behaviour and human cognition.

LEARNING OUTCOMES

Upon the successful completion of this module, the student should be able to:

- demonstrate an understanding of theory and research relating to memory, attention and perception;
- demonstrate an understanding of the parts and function of the brain and nervous systems;
- demonstrate an awareness of the biological basis of behaviour and cognition, exploring neurological disorders related to behaviour and cognition;
- take responsibility for their own learning and skill development; including effective personal planning, self-reflection and project management skills.

INDICATIVE CONTENT

- An examination of the historical development of cognitive psychology and biological psychology.
- Consideration of a range of theories and research relating to perception and attention.
- Exploration of ideas and research relating to human memory and problem-solving.
- Exploration of the parts and functions of the brain, nervous system and endocrine system and the relationship between behaviour and cognition.
- Consideration of the research methods used in biological psychology and their ethics and relevance to human psychology.
- Examination of the theories drawn from biological psychology experiments.

LEARNING AND TEACHING STRATEGY

Topics will be introduced in weekly lectures and consolidated through seminars which will vary in format from group exercises and discussions to small group exercises to further develop students' understanding of the principles and key topic areas within biological and cognitive psychology.

The study time for the module is divided as follows:

Activity type	Hours	Percentage
Scheduled learning	30	15%
Independent learning	170	85%
Placement learning	0	0%
TOTAL	200	100%

ASSESSMENT

Assessment Component 1

☒ Written exam ☐ Coursework ☐ Practical

Mode of assessment	Volume	Weighting
Multiple Choice Test	1 hour	50%

Assessment Component 2

☐ Written exam ☒ Coursework ☐ Practical

Mode of assessment	Volume	Weighting
Essay	2,000 words	50%

Assessment Summary

Activity type	Percentage
Written exam	50%
Coursework	50%
Practical	
TOTAL	100%

This module is a core requirement for Graduate Basis for Chartership (GBC) accreditation with the British Psychological Society (BPS) as set out in documentation to the BPS February 2018.

READING LIST

Module Code	ECAP4002	
Module Title	Introduction to Biological and Cognitive Psychology	
Classification	Reading List entry	Electronic*
Essential	Baddeley, Eysenck, Anderson, Eysenck, Michael W., & Anderson, Michael C. (2015). <i>Memory</i> (Second ed.).	☐
Essential	Eysenck, Keane, Eysenck, Michael W., & Keane, Mark T. (2015). <i>Cognitive psychology: A student's handbook</i> (7th ed.). Abingdon, Oxon: Psychology Press.	☐
Essential	Fawcett, J., Kingstone, A., & Risko, E. (2015). <i>The handbook of attention</i> . Cambridge, Massachusetts: The MIT Press.	☐
Essential	Grondin, S. (2016). <i>Psychology of perception</i> .	☒
Essential	Groome, Eysenck, & Eysenck, Michael W. (2016). <i>An introduction to applied cognitive psychology</i> (Second ed.).	☒

Essential	Gazzaniga, M., Heatherton, T., & Halpern, D. (2016). <i>Psychological science</i> (5th edition; international student ed.). New York ; London: W.W. Norton & Company	☐
Essential	Higgs, S., Cooper, A., Harris, M., & Lee, J. (2015). <i>Biological psychology</i> . Los Angeles: SAGE.	☐
Further	Atkinson, Hilgard, Smith, Atkinson, Rita L, Hilgard, Ernest R., & Smith, Edward E. (2003). <i>Atkinson & Hilgard's introduction to psychology</i> (14th ed.). Australia Belmont, CA: Thomson/Wadsworth.	
Further	Braisby, Gellatly, Braisby, Nick, & Gellatly, Angus. (2012). <i>Cognitive psychology</i> (2nd ed.). Oxford: Oxford University Press.	☐
Further	Carlson, N. (2011). <i>Foundations of behavioral neuroscience</i> (8th ed.). Boston: Allyn & Bacon.	
Further	Gibson, J. (2015). <i>The ecological approach to visual perception</i> (Classic ed., Psychology Press classic editions).	☐
Further	Groome, D. (2014). <i>An introduction to cognitive psychology: Processes and disorders</i> (3rd ed.).	☐
Further	Gross, R. (2010). <i>Psychology the science of mind and behaviour</i> (6th ed.). London: Hodder Education.	☒
Further	Kalat, J. (2007). <i>Biological Psychology</i> (9 th ed.). London: Wadsworth.	☐
Further	Sternberg, R., & Mio, J. (2009). <i>Cognitive psychology</i> (International student ed., 5th ed.). Belmont, Calif: [London: Wadsworth; Cengage Learning distributor].	☐
Further	Styles, E. (2005). <i>Attention, perception, and memory an integrated introduction</i> (Psychology Focus). Hove, East Sussex; New York: Routledge.	☒
Journal	Advances in cognitive psychology	☒
Journal	Applied cognitive psychology	☒
Journal	Biological psychology	☒
Journal	Brain & development	☒
Journal	Cognitive neuropsychology	☒
Journal	Cognitive psychology	☒
Journal	Cognitive science	☒
Journal	Experimental Psychology	☒