

MODULE DESCRIPTOR

MODULE TITLE	TOPICS AND TECHNIQUES IN NEUROSCIENCE		
MODULE CODE	PS2850 (L5)	CREDIT VALUE	20 CREDITS / 10 ECTS
CAMPUS	UCLAN CYPRUS		
SCHOOL	SCHOOL OF SCIENCE		

MODULE AIMS

The aim of this module is to show the importance of adopting a multidisciplinary approach to the understanding of brain function and behaviour, with particular emphasis on covering some of the important topics and techniques involved in Biopsychology. The module also aims to provide an historical context in which to consider current brain research methods. The purpose of coursework undertaken during the module is to develop research and presentation skills, as students will be asked to keep a laboratory workbook throughout the module and to give a poster presentation on a biopsychological technique of their choice.

MODULE CONTENT

Lecture topics will include for example:

1. Research techniques in physiological psychology
2. Historical aspects of brain research
3. Degenerative diseases
4. Animal models
5. Scanning techniques
6. Introduction to brain anatomy
7. Anatomy practical
8. Neuroendocrinology
9. Histology
10. Poster presentation

INTENDED LEARNING OUTCOMES

On successful completion of this module a student will be able to:	
1.	Describe and critically evaluate the principles and applications of research techniques typically used in biopsychology.
2.	Document procedures and findings in a laboratory notebook, adopting an appropriate scientific style.
3.	Retrieve and select appropriate material related to a topic and present a poster.

TEACHING METHODS

The module involves four lectures (on research techniques), four weeks in laboratory/practical sessions for students to practice skills and familiarise themselves with relevant techniques and equipment (haemodynamic assessment and brain anatomy), and two weeks for poster presentations from a choice of topics.

ASSESSMENT METHODS

The module is assessed through a Laboratory notebook and a Poster presentation.