odule Details for CASE STUDIES IN NEUROPSYCHOLOGY	
urrent Record	
Module Code	PSU34710
Module Name	CASE STUDIES IN NEUROPSYCHOLOGY
Module Short Title	
ECTS weighting	5
Semester/term taught	Michaelmas Term
Contact Hours and Indicative Student Workload	11 Lectures: 103 hours independent study
Module Coordinator/Owner	Prof Paul Dockree
Learning Outcomes	Learning Outcomes
	On successful completion of this course, studen will be able to:
	 Understand broadly the function of different brain regions underlying cognitive function Knowledge of case study methods of assessmen of brain structure and function Understanding of methods of assessment in cognitive neuropsychology Knowledge of the different types of

Module Learning Aims

Rationale and Aims

Rationale:

Case studies of patients with brain damage remain critical part of cognitive neuropsychology's methods to understanding the organisation of cognitive system and devising principled approaches to rehabilitation. this topic, there is great scope for clinicians as researchers to inform and learn from one another wi respect to the manifestation of clinical disorders, the potential causes, and paths to rehabilitation. Studer

neuropsychological syndrome that can arise

Understanding the relationship between case studies in neuropsychology and techniques in cognitive neuroscience (e.g. imaging and

Knowledge and understanding of the mechanism and methods of recovery and rehabilitation

following particular lesions to the brain

electrophysiological methods)

following brain damage.

are aware of famous patients with brain damage (e. Phineas Gage and patient H.M.) but this module vaddress lesser-known cases, who have neverthele provided important insights into contemporary resear problems across several domains including attention memory, dysexecutive syndrome and disorders meta-cognition and social-cognitive processing.

This module aims to:

- 1) introduce the value of case studies neuropsychology for dissociating mechanisms human cognition and contributing to the developme of theory.
- highlight different methodological approaches their according to study patients with brain damage, at their advantages and limitations.
- 3) discuss the role of case studies in complemential other approaches in cognitive neuroscience, including imaging and electrophysiological studies.
- 4) explain the role of case studies in shaping novapproaches to neuropsychological rehabilitation

Module Content

Course Content

The module will start with an introduction to concepts and methods in neuropsychology and thereafter cover the following topics:

Perceptual Disorders:

- Visual agnosia
- Art and brain injury
- Synaesthesia

Memory Disorders:

- Remembering and forgetting our autobiographical pasts
- Confabulation

Executive function Disorders:

Dysexecutive Syndrome

Motivational Disorders:

- Apathy
- Impulsivity and disinhibition

Metacognitive Disorders:

Impaired self-awareness

Connectomics and neuropsychology

 Diaschisis: remote effects of brain lesion Maladaptive and compensatory brain changes Guided recovery and rehabilitation **Indicative Resources** Reading: There will be no core textbook for this module. Article from journals including, Brain, Neuropsycholog Cognitive Neuropsychology NeuroCase, Neuropsychological Rehabilitation will be uploaded Blackboard on a weekly basis in advance of ea lecture. Books for orientation to Neuropsychology: Introduction to Neuropsychology. 2nd Ed. J. Graha Beaumont. In to the Silent Land: Travels in Neuropsychology. Pa Broks **Useful websites:** n. http://www.the-ins.org n. http://www.the-bns.org/index.html n. http://www.thedtgroup.org/brain-injury/about-the- brain-injury-rehabilitation-trust/ n. http://www.psihq.ie/psi-division-neuropsychology n. http://www.scn40.org

Recommended Reading List

For visiting students: Introduction to Psychology or Module Pre-requisite Cognitive Neuroscience Foundation Course

Module Co Requisite

Assessment Details@I-MOD-ASSM TBC

Module Website

Module approval date

Approved By

Academic Start Year

Academic Year of Data 2020/21