



University of Nicosia, Cyprus

Course Code PSYM-660	Course Title Clinical Neuropsychology	ECTS credits 7.5
Department Social Sciences	Semester Fall OR Spring	Prerequisites None
Type of Course Major Electives	Field Clinical Psychology	Language of Instruction English
Year of Study 2 nd OR Third	Mode of Delivery Face-to-face	Lecturer(s) Stelios Georgiades, Psych.D.

Course Description:

Clinical neuropsychology studies the selective effects of brain damage on various aspects of mental life. Initially, this course will examine acquired deficits in perception and attention and disorders of movement and action following brain-damage in adults. Subsequently it will look a variety of developmental disorders, including the effects of early brain damage. Disorders of memory, language, literacy and numeracy and executive functions will be studied from neuropathological and neuropsychological perspectives. Emphasis will be given to neuropsychological assessment.

Course Objectives and Learning Outcomes:

- The main objectives of this course is to
- Build on previous neuropsychological knowledge
 - enhance students understanding of the different categories of neurological and neuropsychological disorders
 - enable students to the appropriate selection of neuropsychological assessment methods for different disorders

Course Contents:

- **Introduction to Clinical Neuropsychology**

- **Perception and Attention**

Acquired deficits in perception and attention following brain-damage will be discussed including visual field cuts and 'blindsight'; modular coding of motion, colour and shape; apperceptive and associative agnosias; prosopagnosias; spatial disorientation and optic ataxia.

- **Disorders of Memory**

It will review the principle areas in the neuropsychology of memory, relating disorders of memory to models of normal memory (e.g. short term and long term memory; agnosias).

- **Disorders of Movement and Action**

An overview of information-processing issues underlying action, a description of motor anatomy and methods of motor assessment. It will examine higher-level deficits of action planning (e.g. apraxias) through to deficits arising in the execution of movement (e.g. the role of the cerebellum). The effects of motor cortical damage arising from stroke, including plasticity and recovery, anosognosia for hemiplegia and 'motor neglect'; motor sequelae arising from other neuropathologies, including Parkinson's, Tourette's and Huntington's disease.

- **Developmental Neuropsychology**

Examination of a variety of developmental disorders, including the effects of early brain damage.

- **Neuropsychology of Literacy and Numeracy**

Disorders of reading, writing and numerical abilities in the context of normal models of the underlying processes will be examined (e.g., dyslexias, dysgraphias, disorders of numerical transcoding, disorders of arithmetic etc.).

- **Disorders of Language**

Examination of different types of language disorders following brain damage.

- **Disorders of Executive Functions**

Disorders of problem-solving, attention, working memory, emotion, memory, consciousness and action that arise after lesions to prefrontal cortex and related structures are examined.

Learning Activities and Teaching Methods:

Lectures and Assignments

Required Textbooks/Reading:

Authors	Title	Publisher	Year
Goldstein, LH. and McNeil, J.E Clinical	Neuropsychology: A practical Guide to Assessment and Management for Clinicians. .	Wiley, Chichester.	2003
Halligan P.W., Kischka, U. and Marshall, J.C. (2003).	Handbook of Clinical Neuropsychology.	Oxford University Press, Oxford.	2003

Assessment Methods:

1	Mid-Term Exam	
2	Final Exam	
3	Assignment	