DEREE COLLEGE SYLLABUS FOR: **PS 4365 HOT TOPICS IN HUMAN NEUROPSYCHOLOGY** **3/0/3**	
LEVEL 6 **UK CREDITS: 15** (Updated Spring 2018)	
PREREQUISITES:	BI 1000 Introduction to Biology I-Level 4 PS 3130 Biopsychology -Level 5 PS 3032 Testing and Assessment– Level 5
CATALOG DESCRIPTION:	Neuropsychology is a field of study that endeavors to define the relationship between brain processes and aspects of human psychological functioning. Historically, the main source of data in neuropsychology has been the study of behavior after brain damage or the presence of neurodegenerative disorder. The power of a neuropsychological approach is revealed not only into the difficulties experienced by people with brain damage, but into psychological disorders as diverse as learning disabilities, depression, schizophrenia, and personality disorders.
RATIONALE:	The knowledge that has been gathered in neuropsychological research is often applied by clinical and cognitive neuropsychologists, working with children and adults suffered trauma or injury to the brain, or who are experiencing problems in some area of functioning that may be related to brain impairment. An elective course which will serve as an introduction to one of the fastest growing fields in psychology. The course will emphasize the role of research in elucidating brain-behavior relationships as well as the applied aspects of the field.
LEARNING OUTCOMES:	As a result of taking this course, the student should be able to: 1. Critically evaluate the mind-brain relationship in philosophical terms. 2. Critically evaluate the neuropsychological profile and/or assessment of Schizophrenia, Depression and Mood Disorders. 3. Describe and critically discuss the Neurodegenerative disorders, such as Alzheimer's disease, Parkinson's disease, and Mild Cognitive Impairment. 4. Explain and evaluate the Neuropsychological cases of individuals with Memory and Perception disorders. 5. Differentiate between the various Neuropsychological tests and assess their diagnostic strength.
METHOD OF TEACHING AND LEARNING:	In congruence with the teaching and learning strategy of the college, the following tools are used: ➢ Classes consist mainly of critical class discussions of assigned readings. ➢ Office hours ➢ Use of Blackboard site

ASSESSMENT:

Summative:

Clinical Case Report: students are required to write a "reaction report to a clinical case, relevant to a neurocognitive domain (1200 words)	**40%**
Critical Review Paper: students select a disorder/disease and focus on the aetiology, symptomatology, assessment and treatment. Students have to review the scientific literature which informs the current knowledge of the chosen subject area (3000 words)	**60%**

Formative:

In-class discussion activities: active class engagement during the weekly meetings	**0%**

Formative assessments prepare students for the summative assessments
The clinical case report assesses Learning Outcome 2
The Final paper covers Learning Outcomes: 1, 3, 4, 5

INDICATIVE READING:

RECOMMENDED READING:

Kolb, B. & Whishaw, I.Q. (2009). *Fundamentals of Human Neuropsychology*. NY, NY: Worth Publishers.

Feinberg T.E Farah M.J (2003). *Behavioral Neurology and Neuropsychology*, UK: McGraw Hill

Kolb, B. & Whishaw, I.Q. (2009). *Fundamentals of Human Neuropsychology*. NY, NY: Worth Publishers.

Lezak, M. D., Howieson, D. B, & Loring, D.W. (2004). *Neuropsychological Assessment*, 4th ed. NY,NY: Oxford University Press.

Masulam, M.(2000) *Principles of Behavioral and Cognitive Neurology*.

Morgan, J.E. & Ricker, J.E. (2008). *Textbook of Clinical Neuropsychology*. NY, NY: Taylor and Francis Publishers, Inc.

Ogden, J. A. (2005). *Fractured Minds: A Case-Study Approach to Clinical Neuropsychology*, 2nd ed.NY, NY: Oxford University Press.

Strauss, E., Sherman, E.M.S. & Spreen, Otfried (2006). *A Compendium of Neuropsychological Tests*, Third Editrion Administration, Norms and Commentary. NY, NY: Oxford University Press.

	Strub, R.L. & Black F.W. (2000). *The Mental Status Examination in Neurology.* Philadelphia, PN:F.A Davis Company.
INDICATIVE MATERIAL: *(e.g. audiovisual, digital material, etc.)*	**REQUIRED MATERIAL:** N/A **RECOMMENDED MATERIAL:** Clinical and Experimental Neuropsychology Journal of Neurology Neurology Neuropsychologia Neuropsychology The Clinical Neuropsychologist Journal of Alzheimer Disease Archives of Clinical Neuropsychology Frontiers in Aging Neuroscience
COMMUNICATION REQUIREMENTS:	Individual project submitted in Word Academic use of English, both oral and written. APA style
SOFTWARE REQUIREMENTS:	Blackboard, MS Office, search engines
WWW RESOURCES:	www.redreef.com/brainiac.html www.redreef.com/brainiac.html www.csuchico.edu/~pmccaff/syllabi/SPPA336/
INDICATIVE CONTENT:	1. Brain-Mind relationship 2. Neuroanatomy for Neuropsychologists 3. The Neuropsychology of Memory Disorders and their Assessment 4. The Neuropsychology of Perception Disorders 5. Neuropsychology of Schizophrenia 6. Neuropsychology of Depression and Mood Disorders 7. Neuropsychology of Dementia