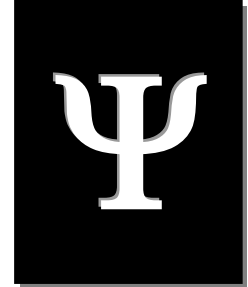




University of Toronto at Scarborough
Department of Psychology



CLINICAL NEUROPSYCHOLOGY PSYC32



Course Instructor:

Konstantine Zakzanis

Lab Instructor:

Eliyas Jeffay

Course Code:

PSYC32H3

Lecture:

Tuesdays, 5 to 7 pm, SW128

Laboratory:

Tuesdays, 7 to 8 pm, SW128

Course E-mail:

eliyas.jeffay@utoronto.ca

Brief Description of Clinical Neuropsychology

Neuropsychology is the research discipline that seeks to understand brain and behavior relationships through the study of both healthy and damaged central nervous systems. It seeks to identify the biological substrates of behaviors, from creative genius to mental illness, which account for intellectual processes as well as personality.

Clinical Neuropsychology is an *applied science* that is concerned with the behavioural expression of brain dysfunction (Lezak et al., 2004). The clinical neuropsychologist uses standardized tests to tie the biological and behavioral aspects together. Inferences are made on the basis of accumulated research. Overall, the clinical neuropsychologist interprets every aspect of the

examination (both quantitative and qualitative components) to ascertain the relative cognitive strengths and weaknesses that a patient with suspected or known neuropathology. Findings from a neuropsychological examination can be used to make diagnoses, inform rehabilitation strategies, and direct various aspects of patient care.

In the laboratory component of this course you will learn to administer, score and interpret a wide variety of neuropsychological measures. By the end of the term, each student should be capable of performing the psychometry for a complete neuropsychological evaluation with competency and ease.

Important Notes

- A. All lab related inquiries are to be directed to the course e-mail address as provided on the first page (elijas.jeffay@utoronto.ca).
- B. Every enrolled student must ensure that they have access to the course website via BlackBoard. All course related content will be posted here (e.g., lecture slides, important announcements, and midterm grades).
- C. Students enrolled in PSYC32 also need to be enrolled in the Specialist (Co-op) Mental Health Studies Program in Psychology and its Applications. The only exclusion for this course is PSYC31.

Textbooks

Lezak, M.D., Howieson, D.B., Bigler, E.D., & Tranel, D. (2012). Neuropsychological assessment (5th Edition). New York: Oxford University Press.

****This is a new text. IT WAS NOT USED LAST YEAR.***

Strauss, E., Sherman, E., & Spreen, O. (2006). A compendium of neuropsychological tests: Administration, norms, and commentary (3rd Edition). Oxford University Press.

**The Strauss et al. text can be purchased at Amazon.ca but pertinent pages will be photocopied/provided on blackboard.*

Grading Scheme

Lecture Component – Worth 70% of your final grade

1st Midterm

Administered in-class (February 5)
Will consist of 60 multiple-choice questions
Worth 20% of your final grade

2nd Midterm

Administered in-class (March 12)
Non-Cumulative
Will consist of 60 multiple-choice questions
Worth 20% of your final grade

Final Exam

UTSC final examination period
Non-Cumulative (but representative of entire course learning)
Will consist of 50 multiple-choice questions
Worth 30% of your final grade

Laboratory Component – Worth 30% of your final grade

Laboratory Take-home Test

Due on January 29, 2013
Will consist of short-answer and practical (scoring) questions from Strauss et al. and Mitrushina et al.
Worth 5% of your final grade

Presentation – Administration/scoring of neuropsychological tests

Dates to be determined in class and will be added to presentation schedule (please see last section of syllabus for schedule)
Worth 10% of your final grade

Final In-vivo Examination (1 hour)

Date to be determined in class (usually prior to UTSC final examination period)
Will involve in-vivo testing (~30 min) and scoring/behavioural observation summaries (~30 min)
Worth 15% of your final grade

LABORATORY SCHEDULE

January 8

Laboratory 1

Topic: Neuropsychological Evaluation & History Taking (figure 3-1)

Assigned Lab Readings: Chapters 1-5 from Strauss et al., 2006

January 15

Laboratory 2

Topic: Scoring Procedures

Practice Questions

Assigned Lab Readings: Chapters 1-3 from Mitrushina – readings will be posted on the intranet

January 22

Laboratory 3

Topic: Attention & Working Memory; Perception

Tests: WAIS-IV Digit Span, Judgment of Line Orientation, Visual Form Discrimination, Face Discrimination Test

Take-home test handed out – covers assigned readings, lecture notes, and scoring procedures

January 29

Laboratory 4

Topic: Verbal Memory

Tests: California Verbal Learning Test-II; WMS-IV Logical Memory I & II

Take-home test due today

February 5

Midterm #1 – No Lab Today

February 12

Laboratory 5

Topic: Visual Memory

Tests: Rey-Osterreith Complex Figure Test, WMS-IV - Designs I & II, WMS-IV Visual Reproductions I & III

February 19

No Lab Today (Reading week).

February 26

Laboratory 6

Topic: Language

Tests: Boston Naming Test, Controlled Oral Word Association Test

March 5

Laboratory 7
Topic: Construction
Tests: NAB Designs; WASI-II Block Design

March 12
Midterm #2 – No Lab Today

March 19
Laboratory 8
Topic: Executive Function
Tests: Wisconsin Card Sorting Test, Tower of London, WAIS-IV – Figure Weights, Trail Making Test

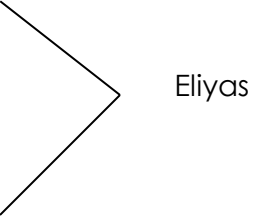
March 26
Laboratory 9
Topic: Motor Performance
Tests: Grooved Pegboard, Finger Tapping Test

April 2
Laboratory 10
Topic: Intelligence
Tests: NAART, Wechsler Abbreviated Scale of Intelligence (WASI-II)*

**Note: The Block Design subtest of the WASI-II will have already been covered during Lab #7 (Construction)*

Final In-Vivo Exam: Date(s) to be announced in lab

PRESENTATION SCHEDULE

Date	Tests	Presenter(s)
January 22	ATTENTION & WM; PERCEPTION <ul style="list-style-type: none"> • WAIS-IV Digit Span • Judgment of Line Orientation Test • Visual Form Discrimination • Face Discrimination 	
January 29	VERBAL MEMORY <ul style="list-style-type: none"> • California Verbal Learning Test-II • WMS-IV Logical Memory I & II 	
February 12	VISUAL MEMORY <ul style="list-style-type: none"> • Rey-O Complex Figure Test • WMS-IV - Designs I & II • WMS-IV - Visual Reproductions I & II 	
February 26	LANGUAGE <ul style="list-style-type: none"> • Boston Naming Test • Controlled Oral Word Association Test 	
March 5	CONSTRUCTION <ul style="list-style-type: none"> • NAB Designs • Block Design (WASI-II) 	
March 19	EXECUTIVE FUNCTIONS <ul style="list-style-type: none"> • Wisconsin Card Sorting Test • Tower of London • Figure Weights (WAIS-IV) • Trail Making Test 	
March 26	MOTOR PERFORMANCE <ul style="list-style-type: none"> • Grooved Pegboard • Finger Tapping Test 	
April 2	INTELLIGENCE <ul style="list-style-type: none"> - NAART Wechsler Abbreviated Scale of Intelligence - II <ul style="list-style-type: none"> • Vocabulary • Similarities • Matrix Reasoning 	