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University of Toronto at Scarborough
Division of Life Sciences

Clinical Neuropsychology

PsychC31

Thursday's 4-6pm, H-Wing, Rm. 214

Professor Konstantine Zakzanis

Office Hours: Thursdays 3-4pm (or by appointment)

Office Locations: S-Wing 564

Your TA : Zachariah Campbell

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Brief Description of Clinical Neuropsychology:

Neuropsychology seeks to gain knowledge about brain and behavior relationships through the study of both healthy and damaged brain systems. It seeks to identify the underlying biological causes of behaviors, from creative genius to mental illness, that account for intellectual processes and personality. *Clinical* neuropsychology seeks such understanding, particularly, in the case of how damaged or diseased brain structures alter behaviors and interfere with mental and cognitive functions.

The neuropsychologist uses objective tools--neuropsychological tests--to tie the biological and behavioral aspects together. Through the use of tests, the clinical neuropsychologist is able to differentiate whether or not a behavioral abnormality is more likely caused by a biological abnormality in the brain or by an emotional or learned process.

Important Notes:

Every effort will be made to post the overheads on the course web-page prior to each lecture. However, on occasion, overheads will be posted following the lecture should there be any server problems (which has happened in the past).

Also, please note that if for any reason (e.g., snow-storm cancellation, unexpected illness) a lecture is cancelled because of an unforeseen circumstance, students are still responsible for the material that was to be presented in the lecture.

Textbook:

**Lezak, M.D. (1995). *Neuropsychological assessment (third edition)*.
New York: Oxford University Press.**

Grading Scheme: (1) 1st Examination worth 25% of your final grade

Your 1st examination will consist of 50 multiple-choice questions. It will cover chapters one, two, three, four, and eight from Lezak's Neuropsychological Assessment and from Lectures.

(2) 2nd Examination worth 25% of your final grade

Your 2nd examination will consist of 50 multiple-choice questions. It will cover chapters five, six, seven, nine and ten from Lezak's Neuropsychological Assessment and from Lectures.

(3) Final Examination worth 50% of your final grade

Your final examination will consist of 100 multiple-choice questions. It will cover chapters eleven, twelve, thirteen, fourteen, fifteen and sixteen. However, don't be fooled. To do well on the final you will need to be familiar with the concepts learned in the earlier chapters.

Important Dates:

January 18 Last day to add 'S' courses.

March 7 Last day to drop 'S' courses from the academic record and the G.P.A.**

March 12 Annual Examination Schedule published.

April 12- 30 Final examinations in 'S' and 'Y' courses. 2003 Fall deferred examinations*

***NOTE: Students with a disability/health consideration are encouraged to approach me and/or the AccessAbility Services Office @287-7560. They can also drop by the office, S302B, inside the Resource Centre. The Coordinator is available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations.**

Lecture Dates & Readings:

January 8: Welcome; Course Description and Requirements

Lecture: The Practice of Neuropsychological Assessment

Readings: Chapter 1 The Practice of Neuropsychological Assessment

January 15:

Lecture: "Basic Concepts" & "Behavioral Geography of the Brain"

Readings: Chapter 2 Basic Concepts

Chapter 3 The Behavioral Geography of the Brain (Note: you are only required to read the following from this chapter: pp. 45-46; 56-96)

January 22:

Lecture: "The Rationale of Deficit Measurement" & "Neurobehavioral Variables"

Readings: Chapter 4: The Rationale of Deficit Measurement

Chapter 8: Neurobehavioral Variables and Diagnostic Issues (Note: you are only required read the following from this chapter: pp. 277-278; 288-312; 319-330)

January 29: 1st Examination (25% of your final grade)

February 5:

Lecture: "The Neuropsychological Examination"

*Readings: Chapter 5: The Neuropsychological Examination: Procedures
Chapter 6: The Neuropsychological Examination: Interpretation*

February 12:

Lecture: "Neuropathology for Neuropsychologists"

Readings: Chapter 7: Neuropathology for Neuropsychologists (note: you are only required to read the following from this chapter: pp. 170-193; 193-195; 198-199; 200-202; 203-248; 250-262; 268-270)

February 19: NO CLASS—READING WEEK

February 26:

Lecture: "Orientation and Attention" & "Perception"

*Readings: Chapter 9: Orientation and Attention
Chapter 10: Perception*

March 4: 2nd Examination (25% of your grade)

March 11:

Lecture: "Memory"

*Readings: Chapter 11: Memory I: Tests
Chapter 12: Memory II: Batteries, Paired Memory Tests, and
Questionnaires*

March 18:

Lecture: "Verbal Functions and Language Skills"

Readings: Chapter 13: Verbal Functions and Language Skill

March 25:

*Lecture: "Concept Formation and Reasoning" & "Executive
Function and Motor Performance"*

*Readings: Chapter 15: Concept Formation and Reasoning
Chapter 16: Executive Functions and Motor
Performance*

April 1:

Lecture: "Construction" & "Summary"

Readings: Chapter 14: Construction

April 13-30: Final Examination Period