

Neuropsychological Assessment

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Syllabus

The Neuropsychological Assessment courses were designed to complement each other. The first course presents major assessment constructs and techniques. It contains more of the knowledge and conceptual basis for neuropsychological assessment. The second course has a stronger focus on hands-on testing and report writing. Here are the major sections of the first course:

1. The History of Cognitive and Neuropsychological Assessment
2. Referral Settings for Assessment in Neuropsychology. Lezak 1, 2, 3; Strub 1
3. Reliability, Validity and Norming. Handouts: Anastasi, Reliability; Cronbach & Meehl, Construct Validity in Psychological Tests; Franzen, Practical and Methodological Considerations Regarding Reliability.
4. The Interview and Screening Tests in Neuropsychology. Lezak 18; Spreen 1; Strub 2; Hahnemann Orientation and Memory Examination (HOME).
5. The Assessment of Aphasia and Language Abilities. Lezak 13; Spreen 7; Strub 2;
The Boston Diagnostic Aphasia Examination
The Reitan-Indiana Aphasia Screening Test
Verbal Achievement Tests
Picture Vocabulary Tests
Naming Tests
6. Visual-Spatial Abilities. Lezak 14; Spreen 8; Strub 7. Handout: Basso, A., Bisiach, E., & Luzzati, C. (1980). Loss of Mental Imagery, 18, 435-442.
7. Memory. Lezak 11, 12; Spreen 6; Strub 6; Handout: Williams, J. M., Clinical Applications of the Memory Assessment Scales, The Practical Assessment and Rehabilitation of Memory
8. Reasoning & Executive Control Lezak 15, 16; Spreen 2; Strub 8;
9. Attention & Immediate Recall Lezak 9; Spreen 6; Strub 3, 4
10. Sensory Perception and Motor Function Lezak 10; Spreen 9
11. Motor Testing Lezak 16; Spreen 10
12. Intelligence, Academic & Achievement Tests Lezak 13, 17 (pp. 687-707); Spreen 5

13. Integrated Neuropsychological Test batteries Lezak 17 (pp. 709-731)
14. The Clinical Neurological Examination. Snyder & Nussbaum, 2; Groth-Marnat, 3
15. Neuroimaging and Laboratory Tests in Neuropsychology, Snyder & Nussbaum, 3

Textbooks:

Lezak, M. D. (1995). *Neuropsychological Assessment* (3rd Edition) New York: Oxford University Press.

Spreen, O., & Strauss, E. (1991). *A Compendium of Neuropsychological Tests*. New York: Oxford University Press.

Strub R. L. & Black, F. W. (1985). *The Mental Status Examination in Neurology*. Philadelphia: F. A. Davis.

Groth-Marnat, G. (2000). *Neuropsychological assessment in clinical practice*. New York: John Wiley & Sons.

Snyder, P. J. & Nussbaum, P. D. (1998). *Clinical Neuropsychology: A pocket handbook for assessment*. Washington, DC: The American Psychological Association.

Mitrushina, M. N., Boone, K. B., & D-Elia, L. F. (1999). *Handbook of normative data for neuropsychological assessment*. New York: Oxford University Press.

Evaluation:

There are three components of evaluation in the course: two examinations and a paper/project. One examination will be given in the middle of the course and one at the end. The third requirement for the course is derived from the completion of a paper describing the relevant assessment literature, theoretical rationale and invention of a new test in neuropsychology. The paper should include a prototype instrument as well as the complete rationale for its design and use in clinical assessment. Each evaluation component will count equally.