PSYC8114 NEUROPSYCHOLOGY

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Textbooks:

Strongly Recommended:

Goals and Objectives: The purpose of this course is to acquaint the student with the basic principles of Clinical Neuropsychology. The student will become familiar with the principles of cognition as they relate to the functional organization of the central nervous system. Students will be introduced to common impairments of the central nervous system and their clinical manifestations, and they will be introduced to the clinical methods used to assess these conditions.

Each lecture (with the exception of the first) is formulated on the assumption that students have completed the reading assignment for class prior to the class meeting. There will be significant overlap between material presented in class and the assigned readings, and students will benefit more from both if they have carefully read the relevant material prior to the lectures.

Grading in this class will be based on the student's performance on three examinations. Exams will be based on both the material presented in class and the reading assignments. Students will be responsible for all information contained in all assigned reading and all information presented in class.
Schedule of Topics

- Topic 1. History and Overview of Clinical Neuropsychology
  - Lezak, et al., Ch. 1; Kolb & Whishaw, Ch. 1.

- Topic 2. Structure and Organization of the CNS.
  - Diagrams from DeArmond, Fusco, & Dewey (1989) distributed in class.
  - Kolb & Whishaw, Ch. 3; Woolsey, Hanaway, & Gado, Part I, II, and V


- Topic 3. Functional Organization of the CNS.
  - A. Intro to Functional Organization.
  - B. Development and Plasticity of the CNS.
  - C. Basic Overview of the Neuron.
  - D. The Sensory System.
  - E. Motor Control.
  - F. Higher Cortical Functions.
    - Lezak, et al., Ch. 3.; Kolb & Whishaw, Ch. 8-22.


  - Lezak et al., Ch. 3; Kolb & Whishaw, Ch. 23-25

- Topic 5. Neurological Disorders.
  - Lezak, et al., Ch. 7 & 8; Kolb & Whishaw, Ch. 26-27.
  - David et al., Ch. 2-14.

  - Lezak, et al., Ch. 4-6, 9-20.; Kolb & Whishaw, Ch. 28.;
  - David et al., Ch. 1-3