

M: Course Objectives / Learning Outcomes:

Students will acquire and be able to demonstrate understanding of:

1. History of brain and behavior research.
2. Structure and function of the nervous and endocrine systems.
3. Research methods in neuropsychology.
4. Laterality
5. Functional organization and systems of the brain, including motor, sensory, attention-consciousness, emotional, spatial, learning and memory, executive and other cognitive functions.
6. Neurological, neuropsychological and related psychiatric disorders.
7. Developmental disorders
8. Disorders associated with aging and dementias.
9. Acquired brain injury, rehabilitation and recovery
10. Neuropsychological assessment techniques.

N: Course Content:

1. Introduction to Neuropsychology
2. Neuroanatomy
3. Techniques in Neuropsychology
4. Laterality
5. Sensorimotor System
6. Sensation and Perception: Vision
7. Memory/ Hearing and Language Processing
8. Emotion
9. Spatial Ability
10. Attention and Consciousness
11. Developmental Disorders
12. Human Brain Damage
13. Neuropsychological Assessment/ Recovery of Function

O: Methods of Instruction:

The primary methods of instruction will be lecture and seminar. The course will also involve group activities, presentations, audiovisual media and guest lectures.

P: Textbooks and Materials to be Purchased by Students:

Texts will be updated periodically. An example of an appropriate text is:

Elia, L and Saucier, D (2006). *Neuropsychology*. New York: Pearson.

Q: Means of Assessment:

Evaluation will be carried out in accordance with Douglas College policy. Evaluation will be based on course objectives and include some of the following:

1. multiple choice, short answer, or essay exams
2. term paper, research project, or written assignments
3. oral presentation or teaching demonstration

The instructor will provide a written course outline with specific evaluation criteria at the beginning of semester.

An example of a possible evaluation scheme is as follows:

Research paper	20%
Three exams at 20% each	60%
Presentation	<u>20%</u>
Total	100%

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR

No.

Course Designer: John Higenbottam, Ph.D.

Education Council / Curriculum Committee Representative

Interim Dean: Catherine Carlson, Ph.D.

Registrar: Ted James