COURSE:	**Biological Bases of Behavior, Fall 2011**
INSTRUCTOR:	**Dan DaSilva, Ph.D.**
TIME:	**Monday 4:50 to 7:30**
OFFICE HOURS:	**By appointment**
PHONE:	**973-257-9000 extension 205**
EMAIL:	drdasilva@morrispsych.com
TEXTS:	**1. Darby and Walsh (2005), Neuropsychology: A Clinical Approach, Fifth Edition.** **2. Pennington (2009) Diagnosing Learning Disorder: A Neuropsychological Approach, Second Edition.** **3. Handouts**

9/08: Course Introduction

- Goals, requirements, paper guidelines
- History of neuropsychology
- Overview of the basic structures of the CNS
- *Reading: Darby Ch 1*

9/12: General Brain Anatomy and Functional Systems

- Basic cellular structures and principles of transmission
- The CNS:
  - Spinal Cord
  - Brainstem
  - The Hemispheres
  - *Reading: Darby Ch. 2 and 3*

9/19: Neurological Disorders

- Guest Lecturer: Dr. Stacey Spencer, Ph.D.
- Overview
- *Reading: handout s*

09/26: Frontal Lobes

- Anatomy
- Function
- Disorders
- *Reading:Darby, Ch 4*

10/03: The Temporal Lobes

- Anatomy
- Function
- Disorders
- *Reading: Darby Ch 5*

10/10: RESEARCH DAY

10/17: The Parietal Lobes

- Anatomy
- Function
- Disorders
- *Reading: Darby Ch 6*

10/24: Occipital Lobes and the interbrain

- Occipital Lobes
  - Anatomy
  - Function
  - Disorders
  - Reading: Darby Chs 7 and 9

10/31: Hemispheric Asymmetry

- *Reading Darby, Ch.8*

11/07: Psychopharmacology (Midterms Due)

- *Guest Lecturer: Richard Mistichelli, RPH*
- *Handouts*

11/14: Brain Injury, Behavior, and Psychopathology

- Traumatic Brian Injury
- Psychiatric disorders
- Additional topics of interest: Anoxia/hypoxia, toxic exposures, infections
- *Readings: Darby Ch 11*

11/28: Neuropsychology of LD (Part 1)

- *Readings: Pennington, Chs 6, 7, & 12*

12/05: Neuropsychology of LD (Part 1)

- *Readings: Pennington, Chs 6, 7, & 12*

12/12: Neuropsychological Assessment

- *Readings: Darby Ch 10 and Pennington Chs 1 and 2 (Chs 3, 4, 5 not required but will lead to greater personal enrichment).*

12/19: Presentations

Grading for this course will be based on a midterm, an eight to ten page scholarly paper (standard margins, double-spaced **meeting APA standards**) on a relevant topic, an in-class presentation, and class participation. Regular class attendance is required for successful completion of this course.