

Hearing and Speech Department

**SPLH 846 - LANGUAGE IMPAIRMENTS OF ADULTS**

Summer Semester, 2011

(2 credits)

Time: 1:15 p.m. - 2:55 p.m., Mondays and Wednesdays  
Dates: 6/8/11 - 7/27/11  
Place: 3001 Miller  
Instructor: Susan T. Jackson, Ph.D., Room 3021, H.C. Miller Bldg., (913) 588-5937

Office Hours: Dr. Jackson will be available by appointment on Monday, Wednesday, and Friday at mutually convenient times.

Course Description: Neurological aspects of language processes, classification of aphasia, characteristics of right hemisphere syndrome, and assessment of language deficits are discussed. Management approaches including intervention strategies and rehabilitation are also considered.

Course Objectives: To provide a basic understanding of anatomy and physiology of the central nervous system, to give students a working knowledge of communicative impairments associated with focal neurological damage, and to familiarize students with assessment tools for appraisal of such communication disorders, therapeutic approaches, and treatment efficacy and goals.

**Performance Expectations and Grading Criteria:**

1. Presentation (10 - 15 minutes) summarizing the information in one of the chapters that we read (10%) - presentation dates vary (individual or pairs effort)
2. Creation of two Haiku poems about aphasia (2%) - due June 20 (individual effort)
3. In-class activities (8%) - group effort
4. Evidence-based practice summary of the primary source treatment articles that we read - highlighted ones only (12%) - due July 13 (pairs effort)
5. Project (22%) - due July 20 (group effort)
6. Assignment (16%) - due July 6 (pairs effort)
7. Final exam (30%). There will be no make-up exam unless I have an acceptable reason from you for missing the exam. For any reason other than illness, you must contact me one week before the exam is scheduled. For illness, you may contact me as late as the morning of the day the exam is given.

Your final percentage score will be converted to a grade using the following scale:

A = 94-100, A- = 90-93, B+ = 87-89, B = 83-86, B- = 80-82, C+ = 77-79, C = 73-76, C- = 70-72, D+ = 67-69, D = 63-66, D- = 60-62, F = <60

Course Readings

LaPointe, L.L. (2011). Aphasia and related neurogenic language disorders (4th ed.). New York,

NY: Thieme.

-other readings as assigned

### Topic Outline and Textbook/Additional Reading Assignments

1) June 8: Brain Basics

- LaPointe, Chapter 1
- Silliman, S. (April, 2007). Interdisciplinary research frontiers: A neurologist's perspective. ASHA Leader.  
<http://www.asha.org/Publications/leader/2007/070417/f070417a3.htm>  
(including the PDF file (hot link) on page 1)

2) June 13: Humanistics Basics, Neuroimaging

- LaPointe, chapter 2 and chapter 5
- Threats, T. (2004). The use of the ICF in intervention for persons with neurogenic communication disorders. SID-2 article.
- Shuster, L.I. (2007). Clinical Brain Scanning: An update. SID-2 article.
- Thompson, C.K. & den Ouden, D.B. (2008). Neuroimaging and recovery of language in aphasia. *Current Neurology and Neuroscience Reports*, 8, 475-483.

3) June 15: Aphasia Theory, Models, Classification

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- LaPointe, chapter 3

4) June 20: Clinical Practice in the Acute Care Hospital Settings, Multicultural and Multi-Linguistic Issues, Enhancing Quality of Life

- LaPointe, chapters 4, 6, and 7
- EBP Compendium: Summary of Systematic Review (Identification of aphasia post stroke: A review of screening assessment tools - Salter & Jutai, (2006), *Brain Injury*, 20(6), 559-568  
<http://www.asha.org/members/reviews.aspx?id=7394>
- Hinckley, J.J. (2003). Picture naming treatment in aphasia yields greater improvement in L1. *Brain and Language*, 87, 171-172.
- Kohnert, K. (2009). Cross-language generalization following treatment in bilingual speakers with aphasia: A review. *Seminars in Speech and Language*, 30(3), 174-186.

5) June 22: Tx Effectiveness and Evidence-Based Practice

- LaPointe, chapter 15
- Wertz, R.T. et al. (1986). Comparison of clinic, home, and deferred language treatment for aphasia: A Veterans Administration cooperative study. *Archives of Neurology*, 43, 653-658.
- Robey, R.R. (1998). A meta-analysis of clinical outcomes in the treatment of aphasia. *JSLHR*, 41, 172-187.

- 6) June 27: Naming and Word Retrieval Impairments CAMP
- LaPointe, Chapter 8
  - Maher, L., et al. (2006). A pilot study of use-dependent learning in the context of Constraint Induced Language Therapy. *Journal of the International Neuropsychological Society*, 12, 843-852.
  - Kiran, S., & Bassetto, G. (2008). Evaluating the effectiveness of semantic-based treatment for naming deficits in aphasia: What works? *Seminars in speech and language*, 29, 71-82.
- 7) June 29: Comprehension CAMP
- LaPointe, chapter 9
  - Rochon, E., & Reichman, S. (2004). A modular treatment for sentence processing impairment in aphasia: Sentence comprehension. *Journal of Speech-Language Pathology and Audiology*, 28, 25-33.
- 8) July 6: Reading and Writing Impairments CAMP
- LaPointe, chapter 10
  - Beeson, P.M. et al. (2003). Writing treatment for severe aphasia: Who benefits? *JSLHR*, 46, 1038-1060.
  - Beeson, P.M. et al. (2010). A treatment sequence for phonological alexia/agraphia. *JSLHR*, 53, 450-468.
- 9) July 11: Syntax and Linguistic-Based Approaches, Pragmatics and Discourse
- LaPointe, chapters 11 and 12
  - Nicholas, L.E., & Brookshire, R.H. (1993b). A system for quantifying the informativeness and efficiency of the connected speech of adults with aphasia. *Journal of Speech and Hearing Research*, 36, 338-350.
  - delToro et al. (2008). Changes in aphasic discourse after contrasting treatments for anomia. *Aphasiology*, 22(7), 881-892.
- 10) July 13: Social and Life Participation Approaches to Aphasia Intervention, Assistive Technology
- LaPointe, chapters 13 and 14
  - Lasker, J.P., & Garrett, K. (2006). Using the Multimodal Communication Screening Test for persons with aphasia (MCST-A) to guide the selection of alternative communication strategies for people with aphasia. *Aphasiology*, 20, 217-232.
  - Kagan, A. et al. (2001). Training volunteers as conversation partners using "Supported Conversation for Adults with Aphasia" (SCA): A controlled trial. *JSLHR*, 44(3), 624-638.
- 11) July 18: Right Hemisphere Damage (characteristics)
- LaPointe, chapter 17, pgs 223-225
  - Blake, M.L. (2006). Clinical relevance of discourse characteristics after right hemisphere brain damage. *AJSLP*, 15, 255-267.

- Tompkins, C. A. (2008). Theoretical considerations for understanding "understanding" by adults with right hemisphere brain damage. SID-2 article.
- Leon, S.A., & Rodrigues, A.D. (2008). Apraxia and its treatment. SID-2 article, pages 66-69 only)
- Arene, N., & Hillis, A.E. (2008). Translation research for the rehabilitation of left spatial neglect and associated disorders of attention in stroke patients. SID-2 article, pages 55-59 only)

12) July 20: Right Hemisphere Damage (evaluation)

- LaPointe, chapter 17, pgs 225-230
- Leon, S.A., & Rodrigues, A.D. (2008). Apraxia and its treatment. SID-2 article, page 66 only - assessment section)
- Arene, N., & Hillis, A.E. (2008). Translation research for the rehabilitation of left spatial neglect and associated disorders of attention in stroke patients. SID-2 article, pages 59-60 only - diagnoses section)

13) July 25: Right Hemisphere Damage (treatment)

- LaPointe, chapter 17, pgs 225-230
- Blake, M.L. (2007). Perspectives on treatment for communication deficits associated with right hemisphere brain damage. AJSLP, 16, 331-342.
- Leon, S.A., & Rodrigues, A.D. (2008). Apraxia and its treatment. SID-2 article, pages 69-71 only - treatment section)
- Arene, N., & Hillis, A.E. (2008). Translation research for the rehabilitation of left spatial neglect and associated disorders of attention in stroke patients. SID-2 article, pages 60-62 only - treatment section)

14) July 27: Final Exam

Learning assistance, academic performance enhancement, and psychological services at KUMC are free, confidential, and available at Student Counseling & Educational Support Services by calling 913-588-6580 or visiting G116 Student Center.

Any student in this course who, because of a disability, needs an accommodation in order to complete the course requirements should contact the instructor or the ADA/504 Coordinator (913-588-7813, TDD: 913-588-7963).

The project or the evidence-based practice summary may be used as portfolio artifacts.

Any student who does not understand and/or accept the contents and terms of this syllabus must notify the instructor verbally and in writing within one week after receiving this syllabus.