Instructor: Judith Robillard Shultz
McGill University Health Centre, The Montreal General Hospital
Room A2141
514 - 934 -1934 ext 42283
judith.robillard_shultz@mcgill.ca

Class: Tuesday, 13:00 – 16:30 (Beatty Hall including labs)
Labs: Judith Robillard Shultz and where indicated, Kelly Root
Tuesday directly before or after lecture (see syllabus). Labs begin
September 16, 2014.

Office Hours: Before and after class. Otherwise, please contact me to arrange

Course description and learning outcomes:

This course covers theoretical and clinical issues relevant to the assessment and
treatment of adults with acquired neurogenic language/cognitive-linguistic disorders
(aphasia, right-hemisphere damage, traumatic brain injury, and dementia). Students
will learn principles of assessment and intervention planning related to neurophysiology,
linguistic and cognitive theory, and research methodology covered in other courses and
applied to labs where applicable.

Clinical labs will either precede or follow lectures. The labs are designed to expose
students to clinical materials and practice through case examples. Labs will parallel the
typical sequence of the clinical process (i.e., chart review, assessment,
education/counselling and therapy) and will be coordinated with relevant lectures where possible.

Required/Supplementary Readings:

Baltimore: Williams & Wilkins.
  = available at bookstore; one copy on reserve in main office

Brookshire, R.H. (2007). Introduction to Neurogenic Communication Disorders (Sixth
  = one copy on reserve in main office

www.ebrsr.com for summary of the evidence for stroke interventions and aphasia
therapy in particular (see module on aphasia)
http://strokengine.ca focuses on stroke rehabilitation topics and interventions from
quality articles, websites and systematic reviews.
http://www.strokebestpractices.ca: A valuable resource for evidence based practice recommendations to guide and optimize practices in all areas of stroke care that is updated regularly.

**Evaluation Procedures:**

1) Group presentations on selected topics in Aphasia Intervention (Oct 7, 14, 21) - 25 %
2) Mid-term take-home exam on aphasia (Oct 21 - Nov 3) - 50 %
3) Take-home exam on Traumatic Brain Injury (November 18 - December 2) - 25%

**Supplementary Texts:**


**COURSE OUTLINE, CONTENT AND READINGS:**

Sept. 2 ... Overview of course & the clinical setting

Chapey 
Chap. 1 - Introduction to language intervention strategies in adult aphasia (pp. 3-19)
Chap. 7 - Delivering language intervention services to adults with neurogenic communication disorders (pp. 203-228)
Chap. 8 - Team and partnerships in aphasia intervention (pp. 229-244)

Sept. 9 ... Review of neurophysiology + aphasia etiologies
... Classification & assessment of aphasia
Brookshire  Chap. 2 - Neurologic Assessment (pp. 51-92)  
            -- OR --  
Chapey     Chap. 3 - Medical aspects of stroke rehabilitation (pp. 42-63)  

optional review:  
Brookshire  Chap. 1 - Neuroanatomy and Neuropathology (pp. 1-50)  
            -- OR --  
Chapey     Chap. 2 - Neural basis of language disorders (pp. 20-41)  

Sept. 16  ....Lab 1  Chart Review (first hour of class)  
          ...Classification & assessment of aphasia  
          Brookshire  Chap. 3 - Assessing adults who have neurogenic communication  
                      impairments (pp. 93-134)  
          Brookshire  Chap. 5 - Assessing language (pp. 165-226)  
                      -OR-  
          Chapey     Chap. 4 - Assessment of language disorders in adults (pp. 64-160)  

Sept. 23  ....Aphasia assessment (principles & tools) (1:00-2:00)  
          ...Labs 2 and 3 Assessment (2:30-4:30)  
          Chapey     Chap. 9 - Aphasia assessment and treatment for bilingual and culturally  
                      diverse patients (pp. 245-275)  

Sept. 30  ....Lab 4 Assessment (1:00-2:00)  
          ....Principles of aphasia treatment (2:30-4:30)  
          Brookshire  Chap. 7 - The context for treatment of neurogenic communication  
                      disorders (pp. 249-289)  
                      -OR-  
          Chapey     Chap. 6 - Aphasia treatment: recovery, prognosis, and clinical  
                      effectiveness (pp. 186-202)  

Implications for rehabilitation after brain damage. JSLHR, Vol. 51, S225-S239.  

http://jslhr.asha.org/cgi/reprint/51/1/S225
Oct. 7  
...Impairment focused approaches to treatment (first hour of class)
...Presentations 1-2
...Lab 5 Counselling (last hour of class)

Brookshire  
Chap. 9 - Treatment of aphasia and related disorders (pp. 327-389)

-OR-

Chapey  
Chap. 15 - Schuell's stimulation approach to rehabilitation (pp. 403-449)
Chapey  
Chap 28 – Language – Oriented Treatment: A psycholinguistic approach to aphasia (756-799)

Supplementary:
Chapey  
Chap. 23 – Impairments of word comprehenson and production (pp. 607-631)
Chapey  
Chap. 24 – Comprehension and production of sentences (pp. 621 – 653)

Oct. 14  
...Presentation 3
...Activity/Participation approaches to treatment
...Presentation 4
...Lab 6 Therapy
...Distribute take-home exam on aphasia (at end of class)

Chapey  
Chap. 11 - Social approaches to aphasia intervention (pp. 290-318)

Supplementary:
Chapey  
Chap. 12 - Environmental systems approach to adult aphasia (pp. 319-348)

Oct. 21  
...Presentations 5, 6
...Lab 7 Therapy

Chapey  
Chap. 18 – Early management of Wernicke’s aphasia: a context-based approach (pp. 507-529)
Chap. 21 - Global aphasia: identification and management (pp. 565-594)

Oct 28  
...Lab 8 Therapy
...Management of right hemisphere communication disorders

Brookshire  
Chap. 10 - Right hemisphere syndrome (pp. 391-443)

- OR -

Chapey  
Chap. 34 - Communication disorders associated with right hemisphere damage (pp. 963-987)

Supplementary:
Chap 9 - Treatment (pp. 205-242)

Nov. 4  ...Clinical management of dementia
        ...Lab 9 Differential Diagnosis

Brookshire  Chap. 12 - Dementia (pp. 531-599)
        -- OR --
Chapey  Chap 35 - Management of neurogenic communication
disorders associated with dementia (pp. 988-1008)

Supplementary:
Chapey  Chap. 20 - Primary progressive aphasia and apraxia of speech (pp.543-564)

Nov. 11  ...Traumatic brain injury & cognitive-communicative impairment
        Guest Lecturer: Kelly Root
        ...Lab 9

Brookshire  Chap. 11 - Traumatic brain injury (pp. 445-460)
        -OR-
Chapey  Chap. 33 - Communication disorders associated with traumatic brain injury
        (pp. 879-895)

Nov. 18  Traumatic brain injury: assessment and management
        Guest Lecturer: Kelly Root

Brookshire  Chap. 11 - Traumatic brain injury (pp.460-530)

Chapey  Chap. 33 - Communication disorders associated with traumatic brain injury
        (pp. 895-954)

disorders. Seminars in Speech and
        Language, 26 (4), 215-222.

approaches for individuals with traumatic brain injuries. Seminars in Speech and
        Language, 26 (4), 223-239.

McGill University values academic integrity. Therefore all students must understand the
meaning and consequences of cheating, plagiarism and other academic offences under
the Code of Student Conduct and Disciplinary Procedures (see
http://www.mcgill.ca/integrity for more information).

In accord with McGill University's Charter of Students' Rights, students in this course
Applied Neurolinguistics
401-644A
3 credits
Clinical Lab

Instructor: Judith Robillard Shultz
           Kelly Root
Tuesdays directly before or after lecture (see course syllabus)

Lab 1  September 16 Charts
Students will learn to extract relevant information from the medical chart regarding
the history of the present illness, past medical history, social history, imaging, etc.,
know the appropriate sections where information is filed, and understand common
medical abbreviations and terminology. In class, students will read a medical chart.

Lab 2,3 September 23 Assessment: Review of Language Tests (Kelly Root)
Students will be assigned in groups to review an assessment battery and present a
brief description and illustration of it to the class.

Lab 4  September 30 Assessment: Review of Language Tests (Kelly Root)
Case examples of new referrals will be given to students. In small working groups
students will develop an assessment plan and review assessment materials.

Lab 5  October 7 Counselling and Educating Families
Case Examples of family meetings will be presented. Basic information given to
families about the disorders and ways to maximize communication will be reviewed.
Students will view a videotape on strategies to facilitate communication.

Lab 6  October 14 Therapy for Aphasia
Students will be presented with video samples of patients. In small work groups,
students will design treatment objectives, construct a therapy plan, and review
therapy materials.

Lab 7  October 21 Therapy continued

Lab 8  October 28 Therapy continued

Lab 9  November 4 Differential diagnosis (dementia vs aphasia)

Lab 10 November 11 TBI lab