

Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Department of Allied Medical Sciences
Semester two 2007

Course Information	
Course Title	Neurogenic Speech Disorders
Course Number	AS 466
Prerequisites	AS 300
Course Website	
Instructor	Zaidan Alkhamyseh
Office Location	M5 Level -4 Office 5
Office Phone	02-7201000/ 23821
Office Hours	Sunday 10:30-11:30
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Teaching Assistant	
Course Description	
<p>This course includes basic information of neural basis of language and their interaction of multiple anatomical region , the neuropathology of aphasia, classification of aphasia , the severity of aphasia (mild, moderate, severe) ,the assessment methods & differential diagnosis of aphasia .The right hemisphere impairment and language disorders.</p>	

Text Book		
Title	1. Manual of aphasia therapy	2. Aphasia & its therapy
Author(s)	Nancy Helm-Estabrooks.	Anna Basso
Publisher	Library of congress	Oxford University press
Year	1991	2003
Edition	1 st	1 st
Book Website		
References	3. Motor Speech Disorders, Diagnostic and Treatment	

Assessment Policy		
Assessment Type	Expected Due Date	Weight
First Exam	Week 5	20
Second Exam	Week 11	20
Final Exam	Week 15	40
Assignments		10
Participation		10

Course Objectives		Weights
1. Clearly differentiate diagnosis of neurogenic communication disorders.		20%
2. Identify the difference between aphasia types		25%
3. Comprehend the scope of disorder , characteristics, prognosis.		15%
4. Apply the evaluation instruments.		20%
5. Understand the neuroanatomy of language.		10%
6. Understand and differentiate between motor speech disorders.		10%

Teaching & Learning Methods
1. Traditional lectures. 2. Electronic Learning. 3. Data show and hands out.

Learning Outcomes: Upon successful completion of this course, students will be able to		
Related Objective(s)		Reference(s)
1	Understand all aspects of neurogenic speech disorders	Ch. 1+2
2	Apply differential diagnosis of neurogenic speech disorders	Ch. 3+4
3	Differentiate between different types of aphasia	Ch. 5+6
4	Use instruments to evaluate neurogenic speech disorders	Ch. 7
5	Understand the neuroanatomy of language	Ch. 8
6	Understand and differentiate between motor speech disorders	Ch. 9

Useful Resources

Course Content

Week	Topics	Chapter in Text (handouts)
1	Neuroanatomy of language, Neuropathology of aphasia .	Ch. 1
2	Classification of aphasia, Neurologic examination .	Ch. 2
3	Neurodiagnostic techniques, Influence of medical & neurological illness on aphasia.	Ch. 3
4	Neuropsychological examination: the process approach .	Ch. 4
5	Aphasia examination .	Ch. 5
6	First Exam	
7	Using the process approach to generate treatment programs .	Ch. 6
8	Visual Action Therapy (VAT), Back to the Drawing Board.	Ch. 7
9	Voluntary Control of Involuntary Utterances, Melodic Intonation Therapy	Ch. 8
10	Helm Elicited program for syntax stimulation	Ch. 9
11	Second Exam	
12	Treatment of Aphasia Perseveration , Treatment for Wernicke's Aphasia. Measuring Treatment Effect	Ch. 10
13	Pharmacotherapy for Aphasia , Psychological and Neuropsychiatric Aspects of Aphasia.	Ch. 11
14	Legal and Social Aspects of Aphasia .	Ch. 12
15	Neuroanatomy of language, Neuropathology of aphasia .	Ch. 13

Studies of the deficits underlying aphasia and the practice of aphasia rehabilitation have often diverged, and the relationship between theory and practice in aphasiology is loose. Early chapters cover the history of aphasia and its therapy from Broca's discoveries to the 1970's, and provide a description of the classic aphasia syndromes. The middle section describes the contribution of cognition neuropsychology and the treatment models it has inspired. It includes discussion of the relationship between the treatment approach and the functional model upon which it is based. The final chapters deal with aphasia therapy.